Forward Works – Glossary of Table Headings (Reporting as of 12th August 2025_July Month-End)

This glossary outlines the key columns included in the Forward Works table to support consistent interpretation across all panel members.

Expected Market Entry (FY Quarter)

The anticipated financial quarter in which the project is expected to be released for pricing or formal engagement.

Delivery Stream Allocation

Indicates the procurement stream the project falls under based on Watercare's published strategy:

- Discrete Projects
- Asset Upgrades & Renewals
- Major Projects

PDG Categorisation

Categorisation of the project as per Watercare's Programme Delivery Group (PDG) framework, indicating project scale, complexity, and governance pathway.

Phase

The phase of the project (e.g., Feasibility, Design, Execution, Closure) is aligned with the Watercare Project Lifecycle. For clarity, only the Design and Execution phases are shown.

Project ID

A unique identifier is assigned to each project.

- Prefixes indicate service type:
 - WA = Water
 - **WW** = Wastewater

Project Name

The working title of the project as recorded in internal systems.

Project Description

A short, high-level summary of the project's purpose or scope (sourced from Watercare's internal project database). Some descriptions may be pending and will be progressively updated in future releases.

Project Value Range

Estimated total project cost grouped into indicative financial value bands.

Intended Allocation

Indicates Watercare's current planning approach for procurement:

- Within Panel likely to be delivered via an existing panel Framework agreement
- Outside Panel likely to be competitively tendered either closed or open market.

Note: This column is for visibility only and does not represent a final allocation decision.

WATERCARE FORWARD WORKS - PANEL UPDATE

Q1: 1 July - 30 September Q2: 1 October - 31 December Q3: 1 January - 31 March Q4: 1 April - 30 June

aguai eci	Delivery Stream Allocation	PDG Categorisation	Phase	Project ID	Project Name	Project Description	Project Value Range	Intended Allocation
	Delivery Stream Allocation	PDG Categorisation	Pilase	Projectio	Project Name	Monday 2025-08-04_WW0001465 - Biogas Drier replacement and standby unit addition. This project is part of the wider Biogas system upgrades at Mangere	Project Value Kange	Intended Anocation
						WWTP. This project includes the demolition of the decommissioned LP Gas holder,		
FY26 Q1	Asset Upgrades & Renewals	Wastewater & Water Treatment Plants	Design	WW0001465	Biogas Drier Replacement And Standby Unit		3 - 10 Million	within panel
				WW0001485	Rosedale WWT CAS Tank Renewal - Peak Flow		3 - 10 Million	within panel
						This project includes two stages: 1. Replace the 40-year old Ardmore WTP B2 Treated Water Tank roof so the tank		
						can be put back in service. 2. Complete the resilience works aborted in 2020. This decommissions A TWT and		
			Execution	WA0001339 WW0001749	Ardmore WTP Resilience and B2 TWT Roof DTMAN Engines 1 2 and 4 replacement	increases interconnectivity between the plant and transmission systems. 3No. new Jenbacher J616 biogas engines to be supplied and installed to replacethe existing which have reached the rec	10 - 20 Million	within panel outside panel
				WW0001749 WW0001819	Rosedale WWTP Renewals - PD	DTROS WWTP FY26-28 Renewals Programme of high risk assets.	20 - 30 Million	within panel
						Mairangi Bay gravity wastewater sewer upgrade - This project will reduce uncontrolled overflows at manholes upstream of the Jutland St EoP as well as		
						reduce the overflows at the Jutland Street EoP to within its NDC limits. The project involves installing a new 3000D pipeline via trenchless technology and		
		Wastewater Pipeline Renewals	Design	WW0001482 WW0001743	Mairangi Bay Gravity Wastewater Sewer Upgrade Sylvia Park Rising Main(s) Rehabilitation		3 - 10 Million 10 - 20 Million	within panel within panel
					.,	In October 2024, \$2,500,000 to make safe 140m of the Southwestern Interceptor located inside the Mangere WWTP site following two successive failures that		
						occurred after the 2023 flooding events. The existing business case and subsequent briefing to the Board in December 2024 includes a sum to determine a		
						permanent option that also considers the Eastern Interceptor as these two assets		
		Water Pipeline Renewals	Design	WW0001780 WA0001746	Southwest Interceptor Renewal Tarapuka Road Watermain		30 - 50 Million < 3 Million	within panel within panel
			Execution	WA0001747 WA0001688	Mangatangi Dam Bypass FCV Replacement Quarry Road Bulk Supply Point	Replacing the Flow control valve within the Mangatangi Dam valve tower. Establish a new Bulk Supply Point at the intersection of Quarry Rd and GreatSouth Rd Drury, to add resilience to the ser	< 3 Million 3 - 10 Million	within panel within panel
	Asset Upgrades & Renewals	Civil & Construction Electrical	Execution Design	WW0001828 SS0001069	FY26 Trunk Pump Station Planned Replacements Networks PS Electrical Upgrade		3 - 10 Million < 3 Million	outside panel within panel
				WA0001378 WA0001391	DTROS Fire Systems Upgrade STWKO Fire Protection Upgrade	Fire Protection System Upgrade at Rosedale WWTP	< 3 Million < 3 Million	within panel
				WA0001391 WA0001412	STHUI FW flowmeter replacement	XXX117 - Huia WTP FW flow meter replacement (MH) -	< 3 Million	within panel
				WA0001639	STARD Turbidity Instrument Replacements		< 3 Million	within panel
				WA0001730	STWEL Switchboard Replacement	Urgent replacement of switchboard at Wellsford WTP due to safety and resilience concerns	< 3 Million	within panel
				WA0001731 WA0001734	STHEL Standby Generator WPTIT Soft Starter Replacements		< 3 Million < 3 Million	within panel within panel
				WW0001272	DPPPW (PS20) Backup Power Supply	WW pump station Pilot site to consider for grid scale battery to prevent	< 3 Million	within panel
				WW0001492	DTROS Electrical Resilience MLE/PST	Dividing up process loads across multiple switchboards for greater resilience.PST 5 and 6 loads to be transferred to New	< 3 Million	within panel
			Execution	WW0001768 SS0001027	FY25 Wastewater PS Elec Replacements 1 Rain Gauge Earthing Issues	The project is to upgrade the rain gauge installations at 30 dams. There havebeen multiple equipment failures associate		within panel within panel
				WW0001114 WW0001301	DTMAN Switchboard Replacements Northern Networks Control Upgrade	The project is to replace 16 switchboards at Mangere WWTP in power building and IPS areas due to age and condition. The project is to upgrade the following electrical equipment at the 3 NorthernNetworks pump stations- Switch boards, \(\)		within panel within panel
				WW0001668	Wairau Valley Pumpstation Drives	Project mitigates the largest impact from flow surging to the treatment plant.Installing new VSD to drives reduces surge MOH Regional Fluoride Dosing		within panel
						WA0001455		
						The W50 Water Treatment Plant (WTP) is expected to remain operational until the		
						new Waikato A WTP is commissioned in 2034. Under the Health (Fluoridation of Drinking Water) Amendment Act 2021, Watercare must fluoridate the Auckland metro		
						supply (0.7–1 mg/L). A dedicated fluoride dosing system is required at W50 due to consistently low treated water fluoride levels (<0.7 mg/L).		
						Additionally, the W50 WTP lacks resilience, as it cannot supply fluoridated water when the Waikato WTP is offline. This project aims to install a		
		Wastewater & Water Treatment Plants	Design	WA0001455	MOH Regional Fluoride Dosing		10 - 20 Million	within panel
						In is project invoives the design or a now diversion system at the Pucketone Wastewater Treatment Plant to manage peak inflows and reduce overflow risk. The proposed solution will redirect excess flows from Pond 1 through the existing		
						Aerated Selector Basin (ASB) and into Pond 3, which will be reactivated as		
						emergency storage. This approach optimises existing assets, enhances wet weather resilience, and addresses compliance issues associated with the current overflow		
			Execution	WW0001201 WA0001405	Pukekohe WWTP Pond 1 Overflow SMUNI - minor replacement/improvements	XXX99 - SMUNI - minor replacement/improvements (\$700k/yr) -	10 - 20 Million 3 - 10 Million	within panel within panel
				WA0001704	Northern Regional WTP Renewals		3 - 10 Million	within panel
						This project is part of the Water Treatment Plant renewal strategy to undertake the replacement and rehabilitation of assets at the Waikato WTP. An initial list of assets to be replaced/upgraded		
						have been agreed with the Operational Team. The project team will prepare a		
				WA0001705	Waikato WTP Renewals	package for design, procurement and construction for each asset as prioritised and agreed with the Operational Team.	3 - 10 Million	within panel
						This project is part of the Water Treatment Plant renewal strategy to undertake the replacement and rehabilitation of		
						assets at the Waitekere WTP. An initial list of assets to be replaced/upgraded have been agreed with the Operational Team. The project team will prepare a		
				WA0001706	Waitakere WTP Renewals	package for design, procurement and construction for each asset as prioritised	< 3 Million	within panel
				WA0001700	Waltakele WIF Nellewals		< 3 Willion	within paner
						This project is part of the Water Treatment Plant renewal strategy to undertake the replacement and rehabilitation of assets at the Huia WTP. An initial list of assets to be replaced/upgraded have		
						been agreed with the Operational Team. The project team will prepare a package for design, procurement and construction for each asset as prioritised and		
				WA0001707	Huia WTP Renewals	agreed with the Operational Team. This project is part of the Water Treatment Plant renewal strateg to undertake the replacement and rehabilitation of	< 3 Million	within panel
						assets at the Ardmore WTP. An initial list of assets to be replaced/upgraded have been agreed with the Operational		
				WA0001710	Ardmore WTP Renewals		< 3 Million	within panel
						Upgrade of existing chemical storage and dosing systems at the WTP, including removal of old hypo, alum, lime, and HFA tanks. To installation of new alum and		
						HFA storage tanks, upgraded chemical delivery bay, bund conversions for HFA and washdown containment.		
						The project is required to ensure reliability and resilience of operation of the		
				WA0001712	Waikato WTP CSEU Stage 2		3 - 10 Million	within panel
				WW0001387	Rosedale MP biogas Piping	Includes new blowers and second smaller flare. Approx size 750Nm3/h	3 - 10 Million	within panel
				WW0001562 WW0001816	Mangere WWTP Plant Air Compressor Replacement Mangere WWTP Renewals - PD		< 3 Million 20 - 30 Million	within panel within panel
						The project requires an upgrade of the wastewater network that is serving Otara, Papatoetoe and part of		
						Flat Bush catchments (Otara and Otara East branch sewer catchments) and will form part of the long term		
		Wastewater Pipeline Renewals	Design	WW0001460	Otara local network upgrade	solution to accommodate increased growth and development in these catchments. The existing Hingaia wastewater pumping station is already at capacity. The	30 - 50 Million	within panel
						current population projection indicates that additional flow from the future developments will exceed existing capacity of the Hingaia pumping station in the		
						near future and increase the risk of wastewater overflow into the environment. In order to allow for the developments to continue an additional storage		
						capacity needs to be provided until an interim Hingaia pumping station upgrade		
						will be completed.		
						The new storage tanks will provide a temporary solution to service growth in the Southern Growth Area (SGA) until interim upgrade of the existing Hingaia		
				WW0001804	Hingaia WW Storage Solution	wastewater pumping station will be completed. It will also increase resilience	20 - 30 Million	within panel
			Execution	WW0001834 WW0001824	Sylvia Park Rising Main(s) Rehabilitation FY26 Transmission Sewer Renewal		10 - 20 Million	within panel outside panel
				WW0001824	F120 Halishiission sewer kenewai	FY26 WW Renewals is a program of works which will deliver renewed and	10 - 20 WIIII0II	outside parier
						rehabilitated local network wastewater assets that are in poor condition or approaching their end of service. Packages will be identified and scoped through		
		Water Pipeline Renewals	Design	WW0001826 WA0001083	FY26 Local Wastewater Network Renewals Redoubt PS Upgrade	the Planning team and delivered through Capital Delivery.	10 - 20 Million < 3 Million	outside panel within panel
				WA0001333	Market Road Watermain Replacement		3 - 10 Million	within panel
						Pumps nearing end of lifetime and currently not meeting system demand. Main risks are the current pump failing and the challenges around the		
						wain risks are the current pump failing and the chaininges around the constructability phase of project. Current scope only includes pump station upgrade. Upstream and downstream are		
						out of scope.		
						SCADA data and modelling results show the pumps are undercapacity for current demand.		
				WA0001495	Mt Hobson PS Upgrade	Construct a transmission water pump station to boost supply up to 90ML/D to the	3 - 10 Million	within panel
			Execution	WA0001073	West Boost Pumping	Titirangi and future Woodlands Reservoirs and western supply area. To be constructed at 119A May Road.	20 - 30 Million	within panel
						The project aims to complete the design and construction of the Orewa 1 to 3 cross section along with a new BSP at John Fair Drive road to supply the Wainui		
				WA0001328	Silverdale West Water Servicing Phase 3	and Silverdale West developments. Additionally BSP standards will be updated as	3 - 10 Million	within panel
				WA0001746	Tarapuka Road Watermain		3 - 10 Million < 3 Million 10 - 20 Million	within panel
				WA0001767 WA0001768	FY26 Transmission Watermain Renewals FY26 Local Network Watermain Renewals		20 - 30 Million	outside panel
				WA0001775 WA0001776	Onehunga CI Watermain Stage 1 Renewals Whangaparaoa Rd Watermain Renewals		10 - 20 Million 3 - 10 Million	outside panel outside panel
						This transmission watermain has two fundamental needs: - provide a cross connection between Waikato No.1 WM and Waikato No.2 WM.		
						- provide a transmission supply to the north of Pukekohe where the Paerata WSZ can be supplied from to service growth in the Wesley/ Paerata area over the next		
						50 years.		
						By 2028, the population in Paerata is forecast to grow by +13650 PE vs 2018		
						levels, and then by a subsequent +5400 PE by 2038. This watermain upgrade will provide capacity to provide for the full +19150 PE growth in the region.		
					Wesley/Paerata Watermain		50 - 100 Million	within panel
	Discrete Projects	Discrete Projects	Design	WA0001343				
	Discrete Projects	Discrete Projects	Design	WA0001343		Upgrade of the existing Te Paea Pump Station, construction of a new Paerata Pump Station, and installation of a rising main linking both to the Isabella North		
	Discrete Projects	Discrete Projects	Design			Station, and installation of a rising main linking both to the Isabella North Pump Station. The works will improve capacity, reliability, and future-proof	50 - 100 Million	within nanel
	Discrete Projects	Discrete Projects	Design	WW0001446	Paerata Wastewater Servicing	Station, and installation of a rising main linking both to the Isabella North Pump Station. The works will improve capacity, reliability, and future-proof wastewater conveyance for growth in the area. Installation of InDense hydrocyclone technology on RCs 7-9 at Mangere WWTP to	50 - 100 Million	within panel
	Discrete Projects	Discrete Projects	Design			Station, and installation of a rising main linking both to the Isabella North Pump Station. The works will improve capacity, reliability, and future-proof wastewater conveyance for growth in the area. Installation of InDense hydrocyclone technology on RCs 7-9 at Mangere WWTP to increase settleability by improving the Sludge Volume Index (SVI). The Otara Wastewater Network Capacity Upgrades Project aims to reduce the amount of wastewater that enters the en-	10 - 20 Million	within panel outside panel within panel
			Execution	WW0001446 WW0001565 WW0001092	Paerata Wastewater Servicing Mangere WWTP Svi Improvement Upgrade Otara Catchment WW Capacity Upgrades	Station, and installation of a rising main linking both to the Isabella North Pump Station. The works will improve capacity, reliability, and future-proof wastewater conveyance for growth in the area. Installation of InDense hydrocyclone technology on RCs 7-9 at Mangere WWTP to increase settleability by improving the Sludge Volume Index (SVI). The Ötara Wastewater Network Capacity Upgrades Project aims to reduce the amount of wastewater that enters the en- To decentralise blowers to increase resilience of the system (currently single point of failure to 9 reactors out of 11), to replace esisting blowers and	10 - 20 Million 50 - 100 Million	outside panel within panel
	Discrete Projects Major Projects	Discrete Projects Major Projects		WW0001446 WW0001565	Paerata Wastewater Servicing Mangere WWTP Svi Improvement Upgrade	Station, and installation of a rising main linking both to the Isabella North Pump Station. The works will improve capacity, reliability, and future-proof wastewater conveyance for growth in the area. Installation of InDense hydrocyclone technology on RCs 7-9 at Mangere WWTP to increase settleability by improving the Sludge Volume Index (SVI). The Otara Wastewater Network Capacity Upgrades Project aims to reduce the amount of wastewater that enters the en- To decentralise blowers to increase resilience of the system (currently single point of failure to 9 reactors out of 11), to replace existing blowers and service 3 reactor cariforis.	10 - 20 Million	outside panel
			Execution	WW0001446 WW0001565 WW0001092 WW0001474 WA0001658	Paerata Wastewater Servicing Mangere WWTP Svi Improvement Upgrade Otara Catchment WW Capacity Upgrades Mangere WWTP Distributed Blowers Mt Roskill Reservoir RTS	Station, and installation of a rising main linking both to the Isabella North Pump Station. The works will improve capacity, reliability, and future-proof wastewater conveyance for growth in the area. Installation of inDense hydrocyclone technology on RCs 7-9 at Mangere WWTP to increase settleability by improving the Sludge Volume Index (SVI). The Otara Wastewater Network Capacity Upgrades Project aims to reduce the amount of wastewater that enters the en- To decentralls blowers to increase resilience of the system (currently single point of failure to 9 reactors out of 11), to replace existing blowers and service 3 reactor clariflers. Mt Roskill Reservoir - Feasibility Study - investigation to check the viability of getting this reservoir back to service and provide concept design.	10 - 20 Million 50 - 100 Million 100 - 250 Million 3 - 10 Million	outside panel within panel outside panel within panel
	Major Projects	Major Projects	Execution Design	WW0001446 WW0001565 WW0001092 WW0001474 WA0001658 WA0001735	Paerata Wastewater Servicing Mangere WWTP Svi Improvement Upgrade Otara Catchment WW Capacity Upgrades Mangere WWTP Distributed Blowers Mt Roskill Reservoir RTS STWKO VSD Replacements	Station, and installation of a rising main linking both to the Isabella North Pump Station. The works will improve capacity, reliability, and future-proof wastewater conveyance for growth in the area. Installation of inDense hydrocyclone technology on RCs 7-9 at Mangere WWTP to increase settleability by improving the Sludge Volume Index (SVI). The Ötara Wastewater Network Capacity Upgrades Project aims to reduce the amount of wastewater that enters the en- To decentralise blowers to increase resilience of the system (currently single point of failure to 9 reactors out of 11), to replace existing blowers and service 3 reactor cainfiers. Mt Roskill Reservoir - Feasibility Study - investigation to check the viability of getting this reservoir back to service and provide concept design. Replace small VSDs at Waikato WTP due to age and obsolescence Replacement of pressure and flow instruments on filters at Ardomore WTP due to	10 - 20 Million 50 - 100 Million 100 - 250 Million 3 - 10 Million < 3 Million	outside panel within panel outside panel within panel within panel
	Major Projects	Major Projects	Execution Design	WW0001446 WW0001565 WW0001092 WW0001474 WA000158 WA0001735 WW0001218	Paerata Wastewater Servicing Mangere WWTP Svi Improvement Upgrade Otara Catchment WW Capacity Upgrades Mangere WWTP Distributed Blowers Mt Roskill Reservoir RTS STWKO VSD Replacements STARD Filter PIT & FIT Replacements Wastewater Transmission VSD Upgrades	Station, and installation of a rising main linking both to the Isabella North Pump Station. The works will improve capacity, reliability, and future-proof wastewater conveyance for growth in the area. Installation of inDense hydrocyclone technology on RCs 7-9 at Mangere WWTP to increase settleability by improving the Sludge Volume Index (SVI). The Ötara Wastewater Network Capacity Upgrades Project aims to reduce the amount of wastewater that enters the en- To decentralise blowers to increase resilience of the system (currently single point of failure to 9 reactors out of 11), to replace existing blowers and service 3 reactor clariflers. Mt Roskill Reservoir - Feasibility Study - investigation to check the viability of getting this reservoir back to service and provide concept design. Replace small VSDs at Walkato WTP due to age and obsolescence Replacement of pressure and flow instruments on filters at Ardmore WTP due to condition observed during Condition Assessment rounds Replace aged Variable Speed Orives at a number of WWPS	10 - 20 Million 50 - 100 Million 100 - 250 Million 3 - 10 Million < 3 Million < 3 Million	outside panel within panel outside panel within panel within panel within panel within panel
	Major Projects	Major Projects	Execution Design	WW0001446 WW0001565 WW0001092 WW0001474 WA0001658 WA0001735 WA0001736	Paerata Wastewater Servicing Mangere WWTP 5vi Improvement Upgrade Otara Catchment WW Capacity Upgrades Mangere WWTP Distributed Blowers Mt Roskill Reservoir RTS STYKKO VSD Replacements STARD Filter PIT & FIT Replacements Wastewater Transmission VSD Upgrades DTMANS switchbards Replacement TYS	Station, and installation of a rising main linking both to the Isabella North Pump Station. The works will improve capacity, reliability, and future-proof wastewater conveyance for growth in the area. Installation of InDense hydrocyclone technology on RCs 7-9 at Mangere WWTP to increase settleability by improving the Sludge Volume Index (SVI). The Otara Wastewater Network Capacity Upgrades Project aims to reduce the amount of wastewater that enters the ent To decentralise blowers to increase resilience of the system (currently single point of failure to 9 reactors out of 11), to replace existing blowers and service 3 reactor cariflers. Mt Roskill Reservoir - Feasibility Study - investigation to check the viability of getting this reservoir back to service and provide concept design. Replace small VSDs at Waikato WTP due to age and obsodescence Replacement of pressure and flow instruments on filters at Ardmore WTP due to condition observed during Condition Assessment trounds Replace aged Variable Speed Drives at a number of WWPS Replacement of six HV and six LV switchboards at Mangere WWTP	10 - 20 Million 50 - 100 Million 100 - 250 Million 3 - 10 Million 3 - 10 Million < 3 Million < 3 Million 100 - 20 Million	outside panel within panel outside panel within panel within panel within panel within panel within panel
	Major Projects	Major Projects	Execution Design Design	WW0001446 WW0001565 WW0001092 WW0001474 WA000158 WA0001735 WA0001736 WW0001766 WW0001767	Paerata Wastewater Servicing Mangere WWTP Svi Improvement Upgrade Otara Catchment WW Capacity Upgrades Mangere WWTP Distributed Blowers Mt Roskill Reservoir RTS STYMKO VSD Replacements STARD Filter PIT & FIT Replacements Wastewater Transmission VSD Upgrades DTMANS Switchoards Replacement F12'S FY2'S Wastewater PS Elec Replacements 2	Station, and installation of a rising main linking both to the Isabella North Pump Station. The works will improve capacity, reliability, and future-proof wastewater conveyance for growth in the area. Installation of inDense hydrocyclone technology on RCs 7-9 at Mangere WWTP to increase settleability by improving the Sludge Volume Index (SVI). The Otara Wastewater Network Capacity Upgrades Project aims to reduce the amount of wastewater that enters the ent To decentralise blowers to increase resilience of the system (currently single point of failure to 9 reactors out of 11), to replace existing blowers and service 3 reactor carlifers. Mt Roskill Reservoir - Feasibility Study - investigation to check the viability of getting this reservoir back to service and provide concept design. Replace small VSDs at Waikato WTP due to age and obsolescence Replacement of pressure and flow instruments on differs at Ardmore WTP due to condition observed during Condition Assessment rounds Replace aged Variable Speed Drives at a number of WWPS Replacement of six HV and six U www WTP Replacement of six HV and six U www WTP Replacement of switchboards at 10 WWPS Construct a new rising main and reconfigure local network to accommodate the	10 - 20 Million 50 - 100 Million 100 - 250 Million 3 - 10 Million 3 - 10 Million 4 3 Million 4 3 Million 5 3 Million 3 - 10 10 - 20 Million 3 - 10 Million	outside panel within panel outside panel within panel
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	Major Projects	Major Projects	Execution Design Design	WW0001446 WW0001565 WW0001092 WW0001474 WA0001658 WW0001735 WW0001736 WW0001766 WW0001767 WW0001767 WW0001142 WW0001142 WW0001639	Paerata Wastewater Servicing Mangere WWTP Svi Improvement Upgrade Otara Catchment WW Capacity Upgrades Mangere WWTP Distributed Blowers Mt Roskill Reservoir RTS STWKO VSD Replacements STARD Filter PIT & FIT Replacements Wastewater Transmission VSD Upgrades DTMANS Switchoards Replacement FV25 FY2S Wastewater PS Elec Replacements 2 Headworks Electrical Upgrades STHUI FW Mowmeter replacement STARD Turbidity Instrument Replacements	Station, and installation of a rising main linking both to the Isabella North Pump Station. The works will improve capacity, reliability, and utrure-proof wastewater conveyance for growth in the area. Installation of inDense hydrocyclone technology on RCs 7-9 at Mangere WWTP to increase settleability by improving the Sludge Volume Index (SVI). The Oterar Wastewater Network Capacity Upgrades Project aims to reduce the amount of wastewater that enters the entroper of the system (currently single point of failure to 9 reactors out of 11), to replace existing blowers and service 3 reactor cainfiers. Mt Roskill Reservoir - Feasibility Study - investigation to check the viability of getting this reservoir back to service and provide concept design. Replace small VSDs at Waikato WTP due to age and obsolescence Replacement of pressure and flow instruments on filters at Ardmore WTP due to condition observed during Condition Assessment rounds Replace aged Variable Speed Drives at a number of WWPS Replacement of six HV and six LV switchboards at Mangere WWTP Replacement of six HV and six LV switchboards at Mangere WWTP Replacement of six Wing main and reconfigure local network to accommodate the changes XXXII 7 - Hula WTP FW flow meter replacement (MH) - Replace filter turbidity instruments due to age and obsolescence of current models	10 - 20 Million 50 - 100 Million 100 - 250 Million 100 - 250 Million 3 - 10 Million <3 Million <3 Million 3 - 10 Million 3 - 30 Million <3 Million <3 Million	outside panel within panel outside panel within panel
	Major Projects	Major Projects	Execution Design Design	WW0001446 WW0001565 WW0001092 WW0001474 WA0001658 WA0001735 WW0001218 WW0001767 WA0001412	Paerata Wastewater Servicing Mangere WWTP Svi Improvement Upgrade Otara Catchment WW Capacity Upgrades Mangere WWTP Distributed Blowers Mt Roskill Reservoir RTS STWKO VSD Replacements STARD Filter PT & FIT Replacements Wastewater Transmission VSD Upgrades DTMAN Switchboards Replacement FT25 PT2S Wastewater PS Elic Replacements Headworks Electrical Upgrades STHU IFW flowmeter replacement STARD Trubidity Instrument Replacements STARD Trubidity Instrument Replacements	Station, and installation of a rising main linking both to the Isabella North Pump Station. The works will improve capacity, reliability, and future-proof wastewater conveyance for growth in the area. Installation of InDense hydrocyclone technology on RCs 7-9 at Mangere WWTP to increase settleability by improving the Sludge Volume Index (SVI). The Ötara Wastewater Network Capacity Uggrades Project aims to reduce the amount of wastewater that enters the en To decentralise blowers to increase resilience of the system (currently single point of failure to 9 reactors out of 11), to replace existing blowers and service 3 reactor clarifier. Mit Roskill Reservoir - Feasibility Study - investigation to check the viability of getting this reservoir back to service and provide concept design. Replace small VSDs at Walkato WTP due to age and obsolescence Replacement of pressure and flow instruments on filters at Ardinore WTP due to condition observed during Condition Assessment rounds Replace agend of six HD and six Us switchboards at Mangere WWTP Replacement of six HD and six LU switchboards at Mangere WWTP Replacement of six HD and six LU SWIPS Construct a new rising main and reconfigure local network to accommodate the changes XXXII - Huis WTP FW flow meter replacement (MH) - Replace filter turbidity instruments due to age and obsolescence of current models Replace aged Soft Starters at Titirang PS	10 - 20 Million 50 - 100 Million 100 - 250 Million 3 - 10 Million 3 - 10 Million 4 Million 4 Million 5 Million 5 Million 5 Million 6 Million 6 Million 7 Million 6 Million 7 Million 7 Million 7 Million 7 Million	outside panel within panel outside panel within panel within panel within panel within panel within panel within panel within panel within panel within panel within panel within panel within panel within panel
	Major Projects	Major Projects	Execution Design Design	WW0001446 WW0001565 WW0001092 WW0001474 WA0001658 WA0001735 WA0001736 WW0001760 WW0001767 WA0001412 WA0001412 WA0001639 WA0001734	Paerata Wastewater Servicing Mangere WWTP Svi Improvement Upgrade Otara Catchment WW Capacity Upgrades Mangere WWTP Distributed Blowers Mt Roskill Reservoir RTS STWKO VSD Replacements STARD Filter PIT & FIT Replacements Wastewater Transmission VSD Upgrades DTMANS Switchoards Replacement FV25 FY2S Wastewater PS Elec Replacements 2 Headworks Electrical Upgrades STHUI FW Mowmeter replacement STARD Turbidity Instrument Replacements	Station, and installation of a rising main linking both to the Isabella North Pump Station. The works will improve capacity, reliability, and future-proof wastewater conveyance for growth in the area. Installation of InDense hydrocyclone technology on RCs 7-9 at Mangere WWTP to increase settleability by improving the Sludge Volume Index (SVI). The Ötara Wastewater Network Capacity Uggrades Project aims to reduce the amount of wastewater that enters the ent To decentralise blowers to increase resilience of the system (currently single point of failure to 9 reactors out of 11), to replace existing blowers and service 3 reactor clarifiers. Mt Boalif Reservoir - Feasibility Study - investigation to check the viability of getting this reservoir back to service and provide concept design. Replace small VSDs at Waskate WTP due to age and obsolescence Replacement of pressure and flow instruments on filters at Ardione WTP due to condition observed during Condition Assessment rounds Replace and Variable Speed Drives at a number of WWPS Replacement of six HV and six LV switchboards at Mangere WWTP Replacement of six HV and six LV switchboards at Mangere WWTP Replacement of six HV and six LV switchboards at Mangere WWTP Replacement of six HV and six LV switchboards at Mangere WWTP Replacement of six HV brow meter replacement (MH) - Replace filter turbidity instruments due to age and obsolescence of current models Replace aged Soft Starters at Titirangi PS Extend existing 150mm main and install two new hydrants Wellsford Water Careamer Plant UggradeThe Wellsford WTP Uggrade is a critical infrastructure project led by Westercar	10 - 20 Million 50 - 100 Million 100 - 250 Million 3 - 10 Million 3 - 10 Million 4 3 Million 4 3 Million 5 - 20 Million 3 - 10 Million 5 - 3 Million 5 - 3 Million 6 - 3 Million	outside panel within panel outside panel within panel within panel within panel within panel within panel within panel within panel within panel within panel within panel within panel within panel
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	Major Projects	Major Projects Electrical	Execution Design Design	WW0001446 WW0001565 WW0001092 WW0001474 WA0001658 WW0001735 WW0001736 WW000176 WW000176 WW000176 WW000176 WW000176 WW000176 WW000176 WW000176 WW000176	Paerata Wastewater Servicing Mangere WWTP Svi Improvement Upgrade Otara Catchment WW Capacity Upgrades Mangere WWTP Distributed Blowers Mt Roskill Reservoir RTS STWKO VSD Replacements STARD Filter PIT & FIT Replacements Wastewater Transmission VSD Upgrades DIMANS winthoards Replacement FV2S FY2S Wastewater PS Elec Replacements 2 Headworks Electrical Upgrades STHUI FW Mowmeter replacement STARD Turbidity Instrument Replacements WPTIT Soft Starter Replacements WPTIT Soft Starter Replacements Rosedale WUTP Fire Main Installation	Station, and installation of a rising main linking both to the Isabella North Pump Station. The works will improve capacity, reliability, and future-proof wastewater conveyance for growth in the area. Installation of InDense hydrocyclone technology on RCs 7-9 at Mangere WWTP to increase settleability by improving the Sludge Volume Index (SVI). The Ötara Wastewater Network Capacity Ugrardes Project aims to reduce the amount of wastewater that enters the ent To decentralise blowers to increase resilience of the system (currently single point of failure to 9 reactors out of 11,1 to replace existing blowers and service 3 reactor clarifiers. Mt Boshill Reservoir - Feasibility Study - investigation to check the viability of getting this reservoir back to service and provide concept design. Replace small VSDs at Wastato WTP due to age and obsolescence Replacement of pressure and flow instruments on filters at Ardmore WTP due to condition observed during Condition Assessment rounds Replace aged Variable Speed Drives at a number of WWFS Replacement of six HV and six LV switchboards at Mangere WWTP Replacement of six HV and six LV switchboards at Mangere WWTP Replacement of six WTP DW flow meter replacement (MH) - Replace filter turbidity instruments due to age and obsolescence of current models Replace aged Soft Starters at Titirangi PS Extend existing 150mm main and install two new hydrants Welfsford Waster Treatment Plant LugradeThe Welsford WTP Uggrade is a critical infrastructure project led by Welsford WTP Uggrade is a critical infrastructure project led by Welsford WTP Uggrade is a critical infrastructure project led by Welsford WTP Uggrade is a critical infrastructure project led by Welsford WTP Uggrade is a critical infrastructure project led by Welsford WTP Uggrade is a critical infrastructure project led by Welsford WTP Uggrade is a critical infrastructure project led by Welsford WTP Uggrade is a critical infrastructure project led by Welsford WTP Uggrade is a critical infrastructure project led by Welsford W	10 - 20 Million 50 - 100 Million 100 - 250 Million 3 - 10 Million 3 - 10 Million 4 3 Million 4 3 Million 5 - 20 Million 3 - 10 Million 5 - 3 Million 5 - 3 Million 6 - 3 Million	outside panel within panel outside panel within panel within panel within panel within panel within panel within panel within panel within panel within panel within panel within panel within panel within panel within panel within panel within panel within panel
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	Major Projects	Major Projects Electrical	Execution Design Design	WW0001446 WW0001565 WW0001092 WW0001474 WA0001658 WW0001735 WW0001736 WW000176 WW000176 WW000176 WW000176 WW000176 WW000176 WW000176 WW000176 WW000176	Paerata Wastewater Servicing Mangere WWTP Svi Improvement Upgrade Otara Catchment WW Capacity Upgrades Mangere WWTP Distributed Blowers Mt Roskill Reservoir RTS STWKO VSD Replacements STARD Filter PIT & FIT Replacements Wastewater Transmission VSD Upgrades DIMANS winthoards Replacement FV2S FY2S Wastewater PS Elec Replacements 2 Headworks Electrical Upgrades STHUI FW Mowmeter replacement STARD Turbidity Instrument Replacements WPTIT Soft Starter Replacements WPTIT Soft Starter Replacements Rosedale WUTP Fire Main Installation	Station, and installation of a rising main linking both to the Isabella North Pump Station. The works will improve capacity, reliability, and future-proof wastewater conveyance for growth in the area. Installation of inDense hydrocyclone technology on RCs 7-9 at Mangere WWTP to increase settleability by improving the Sludge Volume Index (SVI). The Ötara Wastewater Network Capacity Upgrades Project aims to reduce the amount of wastewater that enters the entropy of the system (currently single point of failure to 9 reactors out of 11), to replace existing blowers and service 3 reactor cairflers. Mt Roskill Reservoir - Feasibility Study - investigation to check the viability of etting this reservoir back to service and provide concept design. Replace small VSDs at Waikato WTP due to age and obsolescence Replacement of pressure and flow instruments on filters at Ardone WTP due to condition observed during Condition Assessment rounds Replace aged Variable Speed Drives at a number of WWPS Replacement of six HV and six U switchboards at Mangere WWTP Replacement of six HV and six LV switchboards at Mangere WWTP Replacement of six HV and six LV switchboards at Mangere WWTP Replacement of six HV Brow meter replacement (MH)- Replace filter turbility instruments due to age and obsolescence of current models Replace aged Soft Statres at Titirangi PS Extend existing 150mm main and install two new hydrants Wellsford Water Treatment Plant Upgrade The Wellsford WTP Upgrade is a critical infrastructure project led by Water car Huis WTP Studge Processing Capacity Improvements Maintaining production capacity and increasing resilience of the almost 100-year-old existing Huis water treatment plant (WTP) is essential for the business until me win frastructure is built to replace the existing plant. Several recent large storm events indicated that a key bottleneck at the treatment plant is the sludge handling capacity, specifically after storm	10 - 20 Million 50 - 100 Million 100 - 250 Million 3 - 10 Million 3 - 10 Million 4 3 Million 4 3 Million 5 - 20 Million 3 - 10 Million 5 - 3 Million 5 - 3 Million 6 - 3 Million	outside panel within panel outside panel within panel
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	Major Projects	Major Projects Electrical	Execution Design Design	WW0001446 WW0001565 WW0001092 WW0001474 WA0001658 WW0001735 WW0001736 WW000176 WW000176 WW000176 WW000176 WW000176 WW000176 WW000176 WW000176 WW000176	Paerata Wastewater Servicing Mangere WWTP Svi Improvement Upgrade Otara Catchment WW Capacity Upgrades Mangere WWTP Distributed Blowers Mt Roskill Reservoir RTS STWKO VSD Replacements STARD Filter PIT & FIT Replacements Wastewater Transmission VSD Upgrades DIMANS winthoards Replacement FV2S FY2S Wastewater PS Elec Replacements 2 Headworks Electrical Upgrades STHUI FW Mowmeter replacement STARD Turbidity Instrument Replacements WPTIT Soft Starter Replacements WPTIT Soft Starter Replacements Rosedale WUTP Fire Main Installation	Station, and installation of a rising main linking both to the Isabella North Pump Station. The works will improve capacity, reliability, and future-proof wastewater conveyance for growth in the area. Installation of InDense hydrocyclone technology on RCs 7-9 at Mangere WWTP to increase settleability by improving the Sludge Volume Index (SVI). The Ötara Wastewater Network Capacity Uggrades Project aims to reduce the amount of wastewater that enters the ent To decentralise blowers to increase resilience of the system (currently single point of failure to 9 reactors out of 11), to replace existing blowers and service 3 reactor clarifiers. Mt Boshil Reservoir - Feasibility Study - investigation to check the viability of getting this reservoir back to service and provide concept design. Replace small SVDs at Wikako NVT due to age and obsolescence Replacement of pressure and flow instruments on filters at Ardmore WTP due to to condition observed during Condition Assessment rounds. Replace small SVDs at Wikako at 10 WWPS Replacement of six HV and six LV switchboards at Managere WWTP Replacement of six HV and six LV switchboards at Managere WWTP Replacement of six HV and six LV switchboards at Managere WWTP Replacement of six HV and six LV switchboards at Managere WWTP Replacement of six HV BVW flow meter replacement (MH) - Replace filter turbidity instruments due to age and obsolescence of current models Replace aged Soft Starters at Titirangi PS Extend existing 150mm main and install two new hydrants Wellsford Waster Treatment Plant Upgrade The Wellsford WTP Upgrade is a critical infrastructure project led by Watercar Huis WTP Sludge Processing Capacity Improvements Maintaining production capacity and increasing resilience of the almost 100-year-old existing Huis water treatment plant (WTP) is essential for the business until new Infrastructure is built to replace the existing plant. Several recent large storm events indicated that a key bottleneck at the treatment plant is the sludge honding capacity, specifica	10 - 20 Million 50 - 100 Million 100 - 250 Million 3 - 10 Million 3 - 10 Million 4 3 Million 4 3 Million 5 - 20 Million 3 - 10 Million 5 - 3 Million 5 - 3 Million 6 - 3 Million	outside panel within panel outside panel within panel



FY26 Q3	Asset Upgrades & Renewals	Wastewater & Water Treatment Plants	Dorigo	WW0001483	Rosedale WWTP Inlet Works (Screens/Conveyors)	The Rosedale WWTP Inlet Works (Screens/Conveyors) Project is needed to improve intake capacity and resilience to meet future flow demand. It will also enable future olant uperades and expansion.	3 - 10 Million	within panel
	Asset Upgrades & Renewals	wastewater & water Treatment Plants	Design Execution	WW0001484	Rosedale Buildings #1 Maintenance Delivery (MD)	Build new maintenance building at south of site This project is to increase resilience during peak flows and cater for growth.	10 - 20 Million	within panel
				WW0001485 WW0001486 WW0001500	Rosedale WWT CAS Tank Renewal - Peak Flow Mangere Small Biofilter Media Replacement Rosedale WWTP Centrifuge 3 Upgrade	This consists of renewing the convectional activated sludge tank. Asset renewal of biofilter This upgrade and renewal project will increase the centrifuge's capacity from8m3/hr to 17m3/hr, increasing total plan	3 - 10 Million < 3 Million t ; < 3 Million	within panel within panel within panel
						This projects aim is to address regular overflows from MH 1224392 that regularly overflows into Alexandra stream which runs adjacent to the assets. The manhole is shallow but the main contributing factor to the overflows are		
		Wastewater Pipeline Renewals	Design	WW0001185	Unsworth Heights Diversion	downstream capacity constraints. Solutions are targeted around diversion or improving downstream capacity to alleviate stress on the network and ultimately reduce the number of overflows into the stream thus improving water quality.	3 - 10 Million	within panel
				WW0001214	Kahika Pump Station Upgrades	This project is to raise the level of service within the Kahika catchment. Thisconsists of increase the peak pump rate of The Southern Growth Area (SGA) encompassing Hingaia, Drury, Auranga, Opaheke and Paerata is due to undergo significant growth over the next 20 years.		within panel
						Approximately 6,000 lots (18000 PE) for the SGA are predicted to be developed by 2025. This watermain is required to be completed and in service before the SGA		
						development reaches 5,600 lots ("2025), to ensure levels of service can be maintained in the area. Once complete, the HEW watermain will provide two feeds to the Hingaia Peninsula and Auranga developments providing network resilience		
		Water Pipeline Renewals	Design	WA0001130	Hingaia Watermain East/West	through redundancy. Development of a new permanent tanker filling station (TFS) in Huapai to replace the existing temporary TFS at 18 Oraha Rd. The tankers that will be refilled at	10 - 20 Million	within panel
			Execution	WA0001756 WA0001747	Establishment of Permanent Tanker Filling station Mangatangi Dam Bypass FCV Replacement	this station are to service properties in Humeu, Huapai, and surrounding areas isolated for the water network and reliant on rainwater tanks. Repolacine the Flow control valve within the Maneatanel Dam valve tower.	< 3 Million < 3 Million	within panel
	Discrete Projects	Discrete Projects	Design	WA0001041 WW0001026	Hunua 2 Watermain (Ti Rakau Bridge) Forrest Hill WW Catchment Diversion	The existing Hunua 2 pipe bridge at Pakuranga Creek/Ti Rakau Drive is in poorcondition and requires significant repair The Forrest Hill wastewater trunk network is currently undersized causinguncontrolled wet weather spills within sever	o 30 - 50 Million ral 30 - 50 Million	within panel outside panel
			Execution	WW0001565	Mangere WWTP Svi Improvement Upgrade	Installation of InDense hydrocyclone technology on RCs 7-9 at Mangere WWTP to increase settleability by improving the The Dunkirk Wastewater Upgrade Project was developed to meet the planned growth in Tamaki, to ensure that Watercare continues to efficiently and effectively.	ne 10 - 20 Million	outside panel
						manage levels of service (LoS) to our customers and minimise adverse impact on local receiving environments. This project comprises of three distinct stages, delivering a new wastewater pumpstation, bulk and local wastewater network		
				WW0001686	Dunkirk Stage 2 Rising Main	upgrades. The design, supply and construction of waste water infrastructure (combined collector CCG stage 2) to reduce overflows in the Waterview catchment to levels	10 - 20 Million	within panel
						compliant with NDC. New infrastructure will include a gravity pipeline from the northern part of the catchment to a new pump station in Fairlands Reserve and a rising main to Holly St in Avondale where it will connect to new pipeline CC6		
	Major Projects	Major Projects	Design Execution	WW0001112 WW0001045	Army Bay WWTP Upgrade Hingaia Wastewater Servicing Scheme FY25 Water PS Elec Replacements 2	stage 1. This project caters for growth in the Hingaia Peninsula Drury and Opaheke areasand will reduce wastewater overflow	100 - 250 Million s t 100 - 250 Million	outside panel outside panel
FY26 Q4	Asset Upgrades & Renewals	Electrical	Design	WA0001732 WA0001733 WA0001391	FY25 Water PS Elec Replacements 2 FY25 Water PS Elec Replacements 1 STWKO Fire Protection Upgrade	Replace switchboards at three water PS (WPCBL, WPONL, WPRED)Note: WPRED now excluded as already upgraded un Replacement of switchboards at three WPS (WPWCR, WPWKE, WPSUN) Note: WPSUN nowexcluded as already replative protection upgrade at Waikato WTP		within panel within panel within panel
				WW0001492	DTROS Electrical Resilience MLE/PST	Dividing up process loads across multiple switchboards for greater resilience. PST 5 and 6 loads to be transferred to New PST 7 Switchroom. Clarifier and RAS 3&4, MtE 3 loads to be transferred to New MtE 4 Switchroom	< 3 Million	within panel
					, ,	The aim of this project is to upgrade the chemical facilities at the Waitakere Water Treatment Plant (WTP) to ensure compliance with the regulations and standards. The upgrade will minimish earland and safety risks, improve		
						operability and resilience. a) Aluminium Sulphate (Alum): Construct a new storage and dosing system and		
						decommission the existing system b) Lime: Construct a new slurry makeup, storage, and dosing system, and demolish the existing system.		
						 c) Hydrofluorosilicic Acid (HFA): Replace the bulk tank, construct a new storage and dosing system, and decommission the current system. d) Chlorine Gas: Modify the existing drum room by replacing the door and 		
						extending the gantry. e) Powdered Activated Carbon (PAC): Add a new big-bag unloading and slurry makeup system while retaining the existing storage and dosing system.		
						Polymer: Construct a new storage and dosing system for raw water treatment and modify the existing polymer system. g) Decommissioning and Demolition: Remove outdated systems (Alum, Lime, HFA, and		
		Wastewater & Water Treatment Plants	Execution	WA0001107	Waitakere WTP Interim Upgrade	g) Decommissioning and Demonston, nemove outsided systems (worm, time, nr.v., and polymer) and reinstate the areas. MOH Regional Fluoride Dosing WA0001455	3 - 10 Million	within panel
						The W50 Water Treatment Plant (WTP) is expected to remain operational until the		
						new Walkato A WTP is commissioned in 2034. Under the Health (Fluoridation of Drinking Water) Amendment Act 2021, Watercare must fluoridate the Auckland metro supply (0,7–1 mg/L). A dedicated fluoride dosing system is required at W50 due		
						to consistently low treated water fluoride levels (<0.7 mg/L). Additionally, the W50 WTP lacks resilience, as it cannot supply fluoridated water when the Waikato WTP is offline. This project aims to install a		
				WA0001455	MOH Regional Fluoride Dosing	fluoridation system at WSO in compliance with the legislation. Ops building (WWTP control room and admin) and Maintenance Delivery (including workshops) relocations, plus a new Staff/Vistor's building to reaccommodate	10 - 20 Million	within panel
				WW0001441 WW0001465	Rosedale Buildings #2 Admin/Control Biogas Drier Replacement And Standby Unit	various teams currently working in Portacoms onsite. Monday 2025-08-04_WW0001465- Biogas Drier replacement and standby unitaddition. This project is part of the wid This project involves instilled by an disections in the Walking Wastewater Network	10 - 20 Million er 3 - 10 Million	within panel within panel
		Wastewater Pipeline Renewals	Design	WW0001798	Waiuku WW Network diversion	to address capacity constraints in the ageing infrastructure of the wastewater network at Waiuku golf course.	< 3 Million	within panel
		Water Pipeline Renewals	Execution	WW0001780 WA0001416	Southwest Interceptor Renewal Mission Heights PS - Upgrade	In October 2024, \$2,500,000 to make safe 140m of the Southwestern Interceptorlocated inside the Mangere WWTP st XXX124 - Mission Heights PS - Upgrade 15 Years old - need to review Brendon's work	< 3 Million	within panel within panel
						WW0001417 - The Pleasant Road Pump Station (PRPS) Replacement project addresses the end-of-life renewal of a critical water infrastructure asset serving West Auckland. Originally designed to boost flow from the Hula 2 Watermain to the		
						Waitakere Reservoir, the station was repurposed in 2023 following flood-related damage to instead supply the Highland Avenue Bulk Supply Foint (ISBP). This change eliminated its dual-supply function, reducing network resilience.		
						This project will deliver feasibility and concept design for:		
						A new dual-pump configuration within a single building—one set dedicated to the Highland Ave BSP, and one to the Waitakere Reservoir via the Waitakere 1		
						Watermain. Enhanced supply resilience and operational flexibility during network failures		
						or planned outages. Capacity upgrades to support future growth and shutdowns at the Waitakere WTP		
						and raw watermain. Consideration of new site acquisition due to existing spatial constraints.		
						The upgrade will restore critical redundancy, support ~15,000 residents, and		
				WA0001417	Pleasant Rd PS Replacement	strengthen West Auckland's water supply resilience. XXX576 - Kitchener Rd PS, Pukekohe - Determine optimum size and location for new Anzac zone. Review Jackie's work - UNGENT dependent on Pukekohe West BSP	10 - 20 Million	within panel
				WA0001492 WA0001526	Kitchener Rd PS Replacement Waikumete Pump Station (Sunnyvale PS)	work complete. Pumps old and currently failing to match demand Implementation of a boosted supply zone via a new Pump Station to be constructed next to the Waikumete Reservoir.	3 - 10 Million 3 - 10 Million	within panel
			Execution	WA0001756	Establishment of Permanent Tanker Filling station	Development of a new permanent tanker filling station (TFS) in Huapai to replacethe existing temporary TFS at 18 Ora Proposed Howick Diversion consisting of a new pump stations and associated network upgrades in Avienore and Millihouse Parks to provide for growth and	ha< 3 Million	within panel
	Discrete Projects							
	Discrete Projects	Discrete Projects	Design	WW0001005	Howick WW Catchment System Upgrades	mitigate sewer overflows from the Howick interceptor, the Bucklands Beach branch sewer, Pakuranga pump station (DPS028) and local branch sewers.	30 - 50 Million	outside panel
	Discrete Projects	Discrete Projects	Design			sewer, Pakuranga pump station (DPS028) and local branch sewers. The Silverdale West Wastewater Pump Station (WWPS), upstream gravity sewer from Small Rd, and downstream connection to the Millidale Branch Sewer are needed to provide wastewater service and enable the growth of the Silverdale West		,
	Discrete Projects	Discrete Projects	Design	WW0001005 WW0001399 WW0001022	Howick WW Catchment System Upgrades Silverdale West WW Pump Station Northcote-Chatswood WW Network Upgrades	sewer, Pakuranga pump station (DP5028) and local branch sewers. The Silverdale West Wastewater Pump Station (WWPS), upstream gravity sewer from Small Rd, and downstream connection to the Milidale Branch Sewer are needed to provide wastewater service and enable the growth of the Silverdale West catchiment. The project aims to divert wastewater from the catchment area, which currentlyflows to the Chatswood Branch sewer The project aims to increase water storage capacity in the Waluku area by	30 - 50 Million	outside panel outside panel within panel
	Discrete Projects	Discrete Projects		WW0001399	Silverdale West WW Pump Station	sewer, Pakuranga pump station (DP5928) and local branch sewers. The Silverdaile West Wastewerte Pump Station (WWPS), upstream gravity sewer from Small Rd, and downstream connection to the Millidale Branch Sewer are needed to provide wastewater service and enable the growth of the Silverdaile West catchiment. The project aims to divert wastewater from the catchment area, which currentlyflows to the Chatswood Branch sewer The project aims to increase water storage capacity in the Waiuku area by constructing an additional water reservoir at the Waiuku Road Water Treatment Plant (WIPT) six. The scope includes:	30 - 50 Million	outside panel
	Discrete Projects	Discrete Projects		WW0001399	Silverdale West WW Pump Station	sewer, Pakuranga pump station (DPS028) and local branch sewers. The Silverdale West Wastewater Pump Station (WWPS), upstream gravity sewer from Small Rd, and downstream connection to the Millidale Branch Sewer are needed to provide wastewater service and enable the growth of the Silverdale West catchment. The project aims to divert wastewater from the catchment area, which currentlyflows to the Chatswood Branch sewer The project aims to increase water storage capacity in the Waiuku area by constructing an additional water reservoir at the Waiuku Boad Water Treatment	30 - 50 Million	outside panel
	Discrete Projects	Discrete Projects		WW0001399	Silverdale West WW Pump Station	sewer, Pakuranga pump station (DP5028) and local branch sewers. The Silverdale West Wastwerter Pump Station (WWPS), upstream gravity sewer from Small Rd, and downstream connection to the Millidale Branch Sewer are needed to provide wastewater service and enable the growth of the Silverdale West catchment. The project aims to divert wastewater from the catchment area, which currentlyflows to the Chatswood Branch sewer The project aims to increase water storage capacity in the Waiuku area by constructing an additional water reservoir at the Waiuku Road Water Treatment Plant (WIPT) site. The scope includes: New approximately 1.5ML concrete reservoir located next to the existing Waiuku Reservoir. A branch on the existing UV outlet connecting to the new reservoir. Sranch connection to the existing DN355 supply / feed pipeline. Scour and overflow connection from new reservoir to existing reservoir waste system.	30 - 50 Million	outside panel
			Execution	WW0001399 WW0001022	Silverdale West WW Pump Station Northcote-Chatswood WW Network Upgrades	sewer, Pakuranga pump station (DP5028) and local branch sewers. The Silverdale West Wasteweter Pump Station (WWPS), upstream gravity sewer from Small Rd, and downstream connection to the Millidale Branch Sewer are needed to provide wastewater service and enable the growth of the Silverdale West catchiment. The project aims to divert wastewater from the catchiment area, which currentlyflows to the Chatswood Branch sewer The project aims to increase water storage capacity in the Waikulu area by constructing an additional water reservoir at the Waikulu area by constructing an additional water reservoir to tate the water Treatment Plant (WIPT) site. The scope includes: New approximately 1.5ML concrete reservoir located next to the existing Waikulu Reservoir. A branch on the existing UV outlet connecting to the new reservoir. Scour and overflow connection from new reservoir to existing reservoir waste system. A retaining wall system around the new reservoir to achieve the same base reference level with the existing reservoir. Future televial twith the existing reservoir.	30 - 50 Million a 20 - 30 Million	outside panel within panel
FY27 Q1	Discrete Projects Asset Upgrades & Renewals	Discrete Projects Civil & Construction Electrical		WW0001399 WW0001022 WA0001509 WA0001139	Silverdale West WW Pump Station Northcote-Chatswood WW Network Upgrades Waiuku Reservoir Upgrades Electrical Upgrades Water	sewer, Pakuranga pump station (DP5028) and local branch sewers. The Silverdale West Wastweeter Pump Station (WWSP), upstream gravity sewer from Small Rd, and downstream connection to the Millidale Branch Sewer are needed to provide wastewater service and enable the growth of the Silverdale West catchment. The project aims to divert wastewater from the catchment area, which currentlyflows to the Chatswood Branch sewer The project aims to increase water storage capacity in the Waiuku area by constructing an additional water reservoir at the Waiuku Road Water Treatment Plant (WTP) site. The scope includes: New approximately 1.5ML concrete reservoir located next to the existing Waiuku Reservoir. A branch on the existing UV outlet connecting to the new reservoir. Scour and overflow connection from new reservoir to existing reservoir waste system. A retaining wall system around the new reservoir to achieve the same base reference level with the existing reservoir. Future tie-ins to the reservoir's inlet and outlet to connect with the future centralized Waiuku WTP system. Construct a new rising main and reconfigure local network to accommodate the changes	30 - 50 Million a 20 - 30 Million 30 - 10 Million 30 - 50 Million	outside panel within panel within panel
FY27 Q1		Civil & Construction	Execution	WW0001399 WW0001022 WA0001509	Silverdale West WW Pump Station Northcote-Chatswood WW Network Upgrades Waluku Reservoir Upgrades	sewer, Pakuranga pump station (DP5028) and local branch sewers. The Silverdale West Wastewerte Pump Station (WWPS), upstream gravity sewer from Small Rd, and downstream connection to the Millidale Branch Sewer are needed to provide weastewater service and enable the growth of the Silverdale West catchment. The project aims to divert wastewater from the catchment area, which currentlyflows to the Chatswood Branch sewer The project aims to increase water storage capacity in the Waiuku area by constructing an additional water reservoir at the Waiuku Road Water Treatment Plant (WIPT) site. The scope includes: New approximately 1.5ML concrete reservoir located next to the existing Waiuku Reservoir. A branch on the existing UV outlet connecting to the new reservoir. Socur and overflow connection from new reservoir to existing reservoir waste system. A retaining wall system around the new reservoir to achieve the same base reference level with the existing reservoir. Future tie-ins to the reservoir's inlet and outlet to connect with the future centralised Waiuku WIPT system. Construct a new rising main and reconfigure local network to accommodate the changes Fire Protection System Upgrade at Rosedale WWIP Replacement of pressure and flow instruments on filters at Ardmore WIP due to condition observed during Condition Assessment rounds	30 - 50 Million a 20 - 30 Million 3 - 10 Million	outside panel within panel within panel
F/27 Q1		Civil & Construction Electrical	Execution	WW0001399 WW0001022 WA0001509 WA0001139 WA0001378	Silverdale West WW Pump Station Northcote-Chatswood WW Network Upgrades Waiuku Reservoir Upgrades Electrical Upgrades Water DTROS Fire Systems Upgrade STARD Filter PIT & FIT Replacements Electrical Upgrades Wastewater FY25 Wastewater PS Elec Replacements 1	sewer, Pakuranga pump station (DP5028) and local branch sewers. The Silverdale West Wastweeter Pump Station (WWSP), upstream gravity sewer from Small Rd, and downstream connection to the Millidale Branch Sewer are needed to provide wastewater service and enable the growth of the Silverdale West catchment. The project aims to divert wastewater from the catchment area, which currentlyflows to the Chatswood Branch sewer The project aims to increase water storage capacity in the Waiuku area by constructing an additional water reservoir at the Waiuku Road Water Treatment Plant (WTP) site. The scope includes: New approximately 1.5ML concrete reservoir located next to the existing Waiuku Reservoir. A branch on the existing UV outlet connecting to the new reservoir. Scour and overflow connection to the existing DN355 supply / feed pipeline. Scour and overflow connection from new reservoir to existing reservoir waste system. A retaining wall system around the new reservoir to achieve the same base reference level with the existing reservoir. Future tie-ins to the reservoir's inlet and outlet to connect with the future centralized Waiuku WTP system. Construct a new rising main and reconfigure local network to accommodate the changes Fire Protection System Upgrade at Rosedale WWTP Replacement of pressure and flow instruments on filters at Ardmore WTP due to	30 - 50 Million a 20 - 30 Million 3 - 10 Million 30 - 50 Million < 3 Million 3 - 10 Million 3 - 10 Million 3 - 10 Million	outside panel within panel within panel within panel within panel
FY27 Q1		Civil & Construction	Execution	WW0001399 WW0001022 WA0001509 WA0001139 WA0001736 WW0001203	Silverdale West WW Pump Station Northcote-Chatswood WW Network Upgrades Waiuku Reservoir Upgrades Electrical Upgrades Water DTROS Fire Systems Upgrade STARD Filter PIT & FIT Replacements Electrical Upgrades Wastewater	sewer, Pakuranga pump station (DP5028) and local branch sewers. The Silverdale West Wastweeter Pump Station (WWPS), upstream gravity sewer from Small Rd, and downstream connection to the Millidale Branch Sewer are needed to provide wastewater service and enable the growth of the Silverdale West catchment. The project aims to divert wastewater from the catchment area, which currentlyflows to the Chatswood Branch sewer The project aims to increase water storage capacity in the Waiuku area by constructing an additional water reservoir at the Waiuku load Water Treatment Plant (WTP) site. The scope includes: New approximately 1.5ML concrete reservoir located next to the existing Waiuku Reservoir. A branch on the existing UV outlet connecting to the new reservoir. Scour and overflow connection from new reservoir to existing reservoir waste system. A retaining wall system around the new reservoir to existing reservoir waste system. Construct a new rising main and reconfigure local network to accommodate the changes Fire Protection System Upgrade at Rosedale WWTP Replacement of pressure and flow instruments on filters at Ardmore WTP due to condition observed during Condition Assessment rounds FUNDING*BUCKET* for Pareremoremo WW assets Project complete	30 - 50 Million a 20 - 30 Million 3 - 10 Million 3 - 10 Million 4 3 Million 4 3 Million 3 - 10 Million	outside panel within panel within panel within panel within panel within panel within panel
FY27 G1		Civil & Construction Electrical	Execution Execution Execution	WW0001399 WW0001022 WW0001029 WA0001509 WA0001378 WW0001736 WW0001736 WW0001741	Silverdale West WW Pump Station Northcote-Chatswood WW Network Upgrades Waiuku Reservoir Upgrades Electrical Upgrades Water DTROS Fire Systems Upgrade STARD Filter PIT & FIT Replacements Electrical Upgrades Wastewater FYZS Wastewater PS Elec Replacements 1. Muriwal Source and Treatment Plant	sewer, Pakuranga pump station (DP5028) and local branch sewers. The Silverdale West Wastweeter Pump Station (WWPS), upstream gravity sewer from Small Rd, and downstream connection to the Millidale Branch Sewer are needed to provide wastewater service and enable the growth of the Silverdale West carchment. The project aims to divert wastewater from the catchment area, which currentlyflows to the Chatswood Branch sewer The project aims to increase water storage capacity in the Waiuku area by constructing an additional water reservoir at the Waiuku fload Water Treatment Plant (WIPT) site. The scope includes: New approximately 1.5ML concrete reservoir located next to the existing Waiuku Reservoir. A branch on the existing UV outlet connecting to the new reservoir. Scour and overflow connection for mew reservoir to existing reservoir waste system. A retaining wall system around the new reservoir to achieve the same base reference level with the existing reservoir. Future tie-ins to the reservoir's inlet and outlet to connect with the future centralized Waiuku WIP system. Construct a new rising main and reconfigure local network to accommodate the changes Fire Protection System Upgrade at Rosedale WWTP Replacement of pressure and flow instruments on filters at Ardmore WTP due to condition observed during Condition Assessment rounds FUNDING BUCKET' for Pareremoremo WW assets Project complete Replace switchboards at 11 WWPS XXX719 - DTROS PST Full scale trial and design (CEPT or AAA) - Energy Neutrality - Project to be renamed to "DTMAN inlet Works Recycle Water Upgrade".	30 - 50 Million a 20 - 30 Million 30 - 30 Million 30 - 50 Million < 3 Million 3 - 10 Million 3 - 10 Million 3 - 10 Million 10 - 20 Million 10 - 20 Million	outside panel within panel
FY27 Q1		Civil & Construction Electrical	Execution Execution Execution	WW0001399 WW0001022 WW0001029 WA0001509 WA0001378 WW0001736 WW0001736 WW0001741	Silverdale West WW Pump Station Northcote-Chatswood WW Network Upgrades Waiuku Reservoir Upgrades Electrical Upgrades Water DTROS Fire Systems Upgrade STARD Filter PIT & FIT Replacements Electrical Upgrades Wastewater FYZS Wastewater PS Elec Replacements 1. Muriwal Source and Treatment Plant	sewer, Pakuranga pump station (DP5028) and local branch sewers. The Silverdale West Wastwerter Pump Station (WWPS), upstream gravity sewer from Small Rd, and downstream connection to the Millidale Branch Sewer are needed to provide wastewater service and enable the growth of the Silverdale West catchment. The project aims to divert wastewater from the catchment area, which currentlyflows to the Chatswood Branch sewer The project aims to increase water storage capacity in the Waiuku area by constructing an additional water reservoir at the Waiuku Brand Water Treatment Plant (WTP) site. The scope includes: New approximately 1.5ML concrete reservoir located next to the existing Waiuku Reservoir. A Paranch on the existing UV outlet connecting to the new reservoir. Branch connection to the existing DN35S supply / feed pipeline. Scour and overflow connection from new reservoir to existing reservoir waste system. A retaining wall system around the new reservoir to achieve the same base reference level with the existing reservoir. Future tie-ins to the reservoir's inlet and outlet to connect with the future centralized Waiuku WTP System. Construct a new rising main and reconfigure local network to accommodate the changes Fire Protection System Upgrade at Rosedale WWTP Replacement of pressure and flow instruments on filters at Ardmore WTP due to condition observed during Condition Assessment rounds FUNDING "SUCKET" for Perzeremorem OW Wassets Project complete Replace switchboards at 11 WWPS XXX719 - DTROS PST Full scale trial and design (CEPT or AAA) - Energy Neutrality - Project to be renamed to "DTMAN Inlet Works Recycle Water Upgrade". This project involves installing a new water supply to the screens building at Mangere WWTP including pumping from the effluent channel, contrashear, and piping to the screens the inter building. This project will prevent loss of	30 - 50 Million a 20 - 30 Million 30 - 30 Million 30 - 50 Million < 3 Million 3 - 10 Million 3 - 10 Million 3 - 10 Million 10 - 20 Million 10 - 20 Million	outside panel within panel
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Fr27 01		Civil & Construction Electrical	Execution Execution Execution Design	WW0001399 WW0001022 WA0001509 WA0001139 WA0001378 WA0001736 WW00017454	Silverdale West WW Pump Station Northcote-Chatswood WW Network Upgrades Waluku Reservoir Upgrades Electrical Upgrades Water DTROS Fire Systems Upgrade STARD Filter PIT & FIT Replacements Electrical Upgrades Wastewater FY25 Wastewater PS Elec Replacements 1 Murival Source and Treatment Plant Rosedale WWTP PST Enhancement (Fat Collection) Mangere WWTP Potable Water Pipework Replacement	sewer, Pakuranga pump station (DP5028) and local branch sewers. The Silverdale West Wastwester Pump Station (WWPS), upstream gravity sewer from Small Rd, and downstream connection to the Millidale Branch Sewer are needed to provide wastewater service and enable the growth of the Silverdale West catchment. The project aims to divert wastewater from the catchment area, which currentlyflows to the Chatswood Branch sewer The project aims to increase water storage capacity in the Waiuku area by constructing an additional water reservoir at the Waiuku Boad Water Treatment Plant (WTP) site. The scope includes: New approximately 1.5ML concrete reservoir located next to the existing Waiuku Reservoir. A Paranch on the existing UV outlet connecting to the new reservoir. Branch connection to the existing DN355 supply / feed pipeline. Socur and overflow connection from new reservoir to existing reservoir waste system. A retaining wall system around the new reservoir to existing reservoir waste system. A return devel with the existing reservoir. Future tie-ins to the reservoir's inlet and outlet to connect with the future centralede Waiuku WTP system. Construct a new rising main and reconfigure local network to accommodate the changes Fire Protection System Upgrade at Rosedale WWTP Replacement of pressure and flow instruments on filters at Ardmore WTP due to condition observed during Condition Assessment rounds FUNDING "BUCKET" for Paremerner was Wassess Project complete Replace switchboards at 11 WWPS XXX719 - DTROS PST Full scale trial and design (CEPT or AAA) - Energy Neutrality - Project to be renamed to "DTMAN inlet Works Recycle Water Upgrade". This project involves installing a new water supply to the screens building at Mangere WWTP including pumping from the effluent channel, contrashear, and piping to the screens the intellebulling. This project will prevent loss of plant due to pressure loss in the WEH supply, and decrease maintenance intervals in cleaning of the screens.	30 - 50 Million a 20 - 30 Million 3 - 10 Million 30 - 50 Million 30 - 50 Million 3 - 30 Million 3 - 10 Million	outside panel within panel
F727 Q1		Civil & Construction Electrical	Execution Execution Execution Design	WW0001399 WW0001022 WA0001509 WA0001139 WA0001378 WA0001736 WW00017454	Silverdale West WW Pump Station Northcote-Chatswood WW Network Upgrades Waluku Reservoir Upgrades Electrical Upgrades Water DTROS Fire Systems Upgrade STARD Filter PIT & FIT Replacements Electrical Upgrades Wastewater FY25 Wastewater PS Elec Replacements 1 Murival Source and Treatment Plant Rosedale WWTP PST Enhancement (Fat Collection) Mangere WWTP Potable Water Pipework Replacement	sewer, Pakuranga pump station (DP5028) and local branch sewers. The Silverdale West Wastewster Pump Station (WWSP), upstream gravity sewer from Small Rd, and downstream connection to the Millidale Branch Sewer are needed to provide wastewater service and enable the growth of the Silverdale West catchment. The project aims to divert wastewater from the catchment area, which currentlyflows to the Chatswood Branch sewer The project aims to increase water storage capacity in the Waiuku area by constructing an additional water reservoir at the Waiuku Brand Water Treatment Plant (WTP) site. The scope includes: New approximately 1.5ML concrete reservoir located next to the existing Waiuku Reservoir. A branch on the existing UV outlet connecting to the new reservoir. Scour and overflow connection from new reservoir to achieve the same base reference level with the existing CN355 supply / feed pipeline. The stating wall system around the new reservoir to achieve the same base reference level with the existing reservoir. Future tie-ins to the reservoir's inlet and outlet to connect with the future centralized Waiuku WTP system. Construct a new rising main and reconfigure local network to accommodate the changes Fire Protection System Upgrade at Rosedale WWTP Replacement of pressure and flow instruments on filters at Ardmore WTP due to condition observed during Condition Assessment rounds FINDING "BUCKET" for Pareremoremo WW assets Project complete Replace withboards at 11 WWPS XXX719 - DTROS PST Full scale trial and design (CEPT or AAA) - Energy Neutrality - Project to be renamed to "DTMAN Inlet Works Recycle Water Upgrade". This project involves installing a new water supply to the screens building at Mangere WWTP including pumping from the effluent channel, contrashear, and piping to the screens at the inlet building. This project will prevent loss of plant due to pressure loss in the WEH supply, and decrease mainternance intervals in clearing of the screens This project is to increase the output of t	30 - 50 Million a 20 - 30 Million 3 - 10 Million 30 - 50 Million 30 - 50 Million 3 - 30 Million 3 - 10 Million	outside panel within panel
F/27 Q1		Civil & Construction Electrical	Execution Execution Execution Design	WW0001399 WW0001022 WA0001509 WA0001139 WA0001378 WA0001736 WW00017454	Silverdale West WW Pump Station Northcote-Chatswood WW Network Upgrades Waluku Reservoir Upgrades Electrical Upgrades Water DTROS Fire Systems Upgrade STARD Filter PIT & FIT Replacements Electrical Upgrades Wastewater FY25 Wastewater PS Elec Replacements 1 Murival Source and Treatment Plant Rosedale WWTP PST Enhancement (Fat Collection) Mangere WWTP Potable Water Pipework Replacement	sewer, Pakuranga pump station (DP5028) and local branch sewers. The Silverdale West Wasteweter Pump Station (WWSP), upstream gravity sewer from Small Rd, and downstream connection to the Millidale Branch Sewer are needed to provide wastewater service and enable the growth of the Silverdale West catchment. The project aims to divert wastewater from the catchment area, which currentlyflows to the Chatswood Branch sewer The project aims to increase water storage capacity in the Waiuku area by constructing an additional water reservoir at the Waiuku Road Water Treatment Plant (WTP) site. The scope includes: New approximately 1.5ML concrete reservoir located next to the existing Waiuku Reservoir. A branch on the existing UV outlet connecting to the new reservoir. Scour and overflow connection from new reservoir to existing reservoir waste system. A retaining wall system around the new reservoir to achieve the same base reference level with the existing reservoir. Future tie-ins to the reservoir's inlet and outlet to connect with the future centralized Waiuku WTP system. Construct a new rising main and reconfigure local network to accommodate the changes Fire Protection System Upgrade at Rosedale WWTP Replacement of pressure and flow instruments on filters at Ardmore WTP due to condition observed during Condition Assessment rounds FUNDING "BUCKET" for Peremoremo WW assets Project to the renamed to "DTMAN Inlet Works Recycle Water Upgrade". This project involves installing a new water supply to the screens building at Mangere WWTP including pumping from the effluent channel, contrashear, and pping to the screens at the intel building. This project will prevent loss of plant due to pressure loss in the WEH supply, and decrease mainternance intervals in clearing of the screens Maintaining production capacity and increasing resilience of the almost 100-year-old existing Huiu water treatment plant (WTP) is essential for the business until new infrastructure is built to replace the existing plant. Several re	30 - 50 Million a 20 - 30 Million 3 - 10 Million 30 - 50 Million 30 - 50 Million 3 - 30 Million 3 - 10 Million	outside panel within panel
Fr27 Q1		Civil & Construction Electrical	Execution Execution Execution Design	WW0001399 WW0001022 WA0001509 WA0001139 WA0001378 WA0001736 WW00017454	Silverdale West WW Pump Station Northcote-Chatswood WW Network Upgrades Waluku Reservoir Upgrades Electrical Upgrades Water DTROS Fire Systems Upgrade STARD Filter PIT & FIT Replacements Electrical Upgrades Wastewater FY25 Wastewater PS Elec Replacements 1 Murival Source and Treatment Plant Rosedale WWTP PST Enhancement (Fat Collection) Mangere WWTP Potable Water Pipework Replacement	sewer, Pakuranga pump station (DP5028) and local branch sewers. The Silverdale West Wasteweter Pump Station (WWPS), upstream gravity sewer from Small Rd, and downstream connection to the Millidale Branch Sewer are needed to provide wastewater service and enable the growth of the Silverdale West catchment. The project aims to divert wastewater from the catchment area, which currentlyflows to the Chatswood Branch sewer The project aims to increase water storage capacity in the Waiuku area by constructing an additional water reservoir at the Waiuku area by constructing an additional water reservoir at the Waiuku Road Water Treatment Plant (WTP) site. The scope includes: New approximately 1.5ML concrete reservoir located next to the existing Waiuku Reservoir. A branch on the existing UV outlet connecting to the new reservoir. Branch connection to the existing possibly / feed pipeline. Soour and overflow connection from new reservoir to existing reservoir waste system. A retaining wall system around the new reservoir to existing reservoir waste reference level with the existing reservoir. Future theirs to the reservoir's inet and outlet to connect with the future centralised Waiuku WTP system. Construct a new rising main and econfigure local network to accommodate the changes Fire Protection System Upgrade at Rosedale WWTP Replacement of pressure and flow instruments on filters at Ardmore WTP due to condition observed during Condition Assessment rounds FUNDING "BUCKET" for Pareneronerom WW assets Froject compilete Replace switchboards at 11 WWPS XXXX19 - DTROS PST Full scale trial and design (CEPT or AAA) - Energy Neutrality - Project to be renamed to "DTMAN Inlet Works Recycle Water Upgrade". This project involves installing a new water supply to the screens be uitiding at Mangere WWTP including pumping from the effluent channel, contrashear, and piping to the screens at the intel building. This project will prevent loss of plant due to pressure loss in the WEH supply, and decrease maintenance int	30 - 50 Million a 20 - 30 Million 3 - 10 Million 30 - 50 Million 30 - 50 Million 3 - 30 Million 3 - 10 Million	outside panel within panel
F/27 G1		Civil & Construction Electrical	Execution Execution Execution Design	WW0001399 WW0001022 WA0001509 WA0001139 WA0001378 WA0001736 WW00017454	Silverdale West WW Pump Station Northcote-Chatswood WW Network Upgrades Waluku Reservoir Upgrades Electrical Upgrades Water DTROS Fire Systems Upgrade STARD Filter PIT & FIT Replacements Electrical Upgrades Wastewater FY25 Wastewater PS Elec Replacements 1 Murival Source and Treatment Plant Rosedale WWTP PST Enhancement (Fat Collection) Mangere WWTP Potable Water Pipework Replacement	sewer, Pakuranga pump station (DP5028) and local branch sewers. The Silverdale West Wastewster Pump Station (WWPS), upstream gravity sewer from Small Rd, and downstream connection to the Millidale Branch Sewer are needed to provide wastewater service and enable the growth of the Silverdale West catchment. The project aims to divert wastewater from the catchment area, which currentlyflows to the Chatswood Branch sewer The project aims to increase water storage capacity in the Waiuku area by constructing an additional water reservoir at the Waiuku Brand Water Treatment Plant (WTP) site. The scope includes: New approximately 1.5ML concrete reservoir located next to the existing Waiuku Reservoir. A branch on the existing UV outlet connecting to the new reservoir. Scour and overflow connection from new reservoir to existing reservoir waste system. A retaining wall system around the new reservoir to existing reservoir waste system. The struct tie-ins to the reservoir's inlet and outlet to connect with the future centralized Waiuku WTP system. Construct a new rising main and reconfigure local network to accommodate the changes Fire Protection System Upgrade at Rosedale WWTP Replacement of pressure and flow instruments on filters at Ardmore WTP due to condition observed during Condition Assessment rounds FINDING "BUCKET" for Percenterorem WW assets Project toop learn and the condition Assessment rounds FINDING "BUCKET" for Percenterorem WW assets Project toop tenamed to "DTMAN inlet Works Recycle Water Upgrade". This project involves installing a new water supply to the screens building at Mangere WWTP including pumping from the effluent channel, contrashear, and pping to the screens at the intel building. This project will prevent loss of plant due to pressure loss in the WEH supply, and decrease mainternance intervals in clearing of the screens Maintaining production capacity and increasing resilience of the almost 100-year-old existing Huiu water treatment plant (WTP) is essential for the business un	30 - 50 Million a 20 - 30 Million 3 - 10 Million 30 - 50 Million 30 - 50 Million 3 - 30 Million 3 - 10 Million	outside panel within panel
FY27 Q1		Civil & Construction Electrical	Execution Execution Execution Design	WW0001399 WW0001022 WA0001509 WA000139 WA0001378 WW0001768 WW0001768 WA0001711 WW0001454 WA0001454	Silverdale West WW Pump Station Northcote-Chatswood WW Network Upgrades Waiuku Reservoir Upgrades Electrical Upgrades Water DTROS Fire Systems Upgrade STARD Filter PIT & FIT Replacements Electrical Upgrades Wastewater FY25 Wastewater PS Elec Replacements 1 Muriwai Source and Treatment Plant Rosedale WWTP PST Enhancement (Fat Collection) Mangere WWTP Potable Water Pipework Replacement Warkworth WTP Capacity Upgrade - Stage 1	sewer, Pakuranga pump station (DP5028) and local branch sewers. The Silverdale West Wastewster Pump Station (WWPS), upstream gravity sewer from Small Rd, and downstream connection to the Millidale Branch Sewer are needed to provide wastewater service and enable the growth of the Silverdale West catchment. The project aims to divert wastewater from the catchment area, which currentlyflows to the Chatswood Branch sewer The project aims to increase water storage capacity in the Waiuku area by constructing an additional water reservoir at the Waiuku Road Water Treatment Plant (WTP) site. The scope includes: New approximately 1.5ML concrete reservoir located next to the existing Waiuku Reservoir. A Paranch on the existing UV outlet connecting to the new reservoir. Branch connection to the existing DN555 supply / feed pipeline. Soou and overflow connection from new reservoir to existing reservoir waste system. A retaining wall system around the new reservoir to achieve the same base reference level with the existing reservoir. Future their is to the reservoir's inteit and outlet to connect with the future centralised Waiuku WTP system. Construct a new rising main and reconfigure local network to accommodate the changes. Fire Protection System Upgrade at Rosedale WWTP Replacement of pressure and flow instruments on filters at Ardmore WTP due to condition observed during Condition Assessment rounds FUNDING "BUCKET" for Pareremoremor WW assets Project complete Replace witchboards at 11 WWPS XXX719 - DTROS PST Full scale trial and design (CEPT or AAA) - Energy Neutrality - Project to be renamed to "DTMAN inlet Works Recycle Water Upgrade". This project involves installing a new water supply to the screens be inlined in the supply and decrease maintenance intervals in cleaning of the screens of the intelluding. This project is to increasing feal and increasing resilience of the almost 100-year-old existing the budy and increasing resilience of the almost 100-year-old existing than the subject of the pumi	30 - 50 Million a 20 - 30 Million 3 - 10 Million 30 - 50 Million 30 - 50 Million 31 Million 3 - 10 Million	outside panel within panel
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F727 Q1		Civil & Construction Electrical	Execution Execution Execution Design	WW0001399 WW0001022 WA0001509 WA000139 WA0001378 WW0001768 WW0001768 WA0001711 WW0001454 WA0001454	Silverdale West WW Pump Station Northcote-Chatswood WW Network Upgrades Waiuku Reservoir Upgrades Electrical Upgrades Water DTROS Fire Systems Upgrade STARD Filter PIT & FIT Replacements Electrical Upgrades Wastewater FY25 Wastewater PS Elec Replacements 1 Muriwai Source and Treatment Plant Rosedale WWTP PST Enhancement (Fat Collection) Mangere WWTP Potable Water Pipework Replacement Warkworth WTP Capacity Upgrade - Stage 1	sewer, Pakuranga pump station (DP5028) and local branch sewers. The Silverdale West Wastewster Pump Station (WWPS), upstream gravity sewer from Small Rd, and downstream connection to the Millidale Branch Sewer are needed to provide wastewater service and enable the growth of the Silverdale West catchment. The project aims to divert wastewater from the catchment area, which currentlyflows to the Chatswood Branch sewer The project aims to increase water storage capacity in the Waiuku area by constructing an additional water reservoir at the Waiuku Road Water Treatment Plant (WTP) site. The scope includes: New approximately 1.5ML concrete reservoir located next to the existing Waiuku Reservoir. A Paranch on the existing UV outlet connecting to the new reservoir. Branch connection to the existing DN355 supply / feed pipeline. Socur and overflow connection from new reservoir to existing reservoir waste system. A retaining wall system around the new reservoir to existing reservoir waste system. A retaining wall system around the new reservoir to achieve the same base reference level with the existing reservoir. Future tie-ins to the reservoir's inlet and outlet to connect with the future centralized Waiuku VTP System. Construct a new rising main and reconfigure local network to accommodate the changes Fire Protection System Upgrade at Rosedale WWTP Replacement of pressure and flow instruments on filters at Ardmore WTP due to condition observed during Condition Assessment rounds FUNDING "SUCKET" for Parecemorem WW assets Project complete Replaces withtboards at 11 WWPS XXX719 - DTROS PST Full scale trial and design (CEPT or AAA) - Energy Neutrality - Project to be renamed to "DTMAN inlet Works Recycle Water Upgrade". This project involves installing a new water supply to the screens building at Mangere WWTP including pumping from the effluent channel, contrashear, and piping to the screens the intel building. This project is to increasing the the building. This project is to increase the output of t	30 - 50 Million a 20 - 30 Million 3 - 10 Million 30 - 50 Million 30 - 50 Million 31 Million 3 - 10 Million	outside panel within panel
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FY27 Q1		Civil & Construction Electrical	Execution Execution Execution Design	WW0001399 WW0001022 WA0001509 WA000139 WA0001378 WW0001768 WW0001768 WA0001711 WW0001454 WA0001454	Silverdale West WW Pump Station Northcote-Chatswood WW Network Upgrades Waiuku Reservoir Upgrades Electrical Upgrades Water DTROS Fire Systems Upgrade STARD Filter PIT & FIT Replacements Electrical Upgrades Wastewater FY25 Wastewater PS Elec Replacements 1 Muriwai Source and Treatment Plant Rosedale WWTP PST Enhancement (Fat Collection) Mangere WWTP Potable Water Pipework Replacement Warkworth WTP Capacity Upgrade - Stage 1	sewer, Pakuranga pump station (DP5028) and local branch sewers. The Silverdale West Wastewerte Pump Station (WWPS), upstream gravity sewer from Small Rd, and downstream connector to the Millidale Branch Sewer are needed to provide wastewater service and enable the growth of the Silverdale West catchment. The project aims to divert wastewater from the catchment area, which currentlyflows to the Chatswood Branch sewer The project aims to increase water storage capacity in the Waiuku Boad Water Treatment Plant (WTP) site. The scope includes: New approximately 1.5MC concrete reservoir located next to the existing Waiuku Reservoir. A branch on the existing UV outlet connecting to the new reservoir. Branch connection to the existing DN555 supply / feed pipeline. Socur and overflow connection from new reservoir to existing reservoir waste system. A retaining wall system around the new reservoir to achieve the same base reference level with the existing reservoir. Future ties-ins to the reservoir's intel and outlet to connect with the future centralised Waiuku WTP system. Construct a new rising main and reconfigure local network to accommodate the changes Fur Protection System Upgrade at Rosedale WWTP Replacement of pressure and flow instruments on filters at Ardmore WTP due to condition observed during Condition Assessment rounds FUNDING "BUCKET" for Pareremoremo WW assets Project complete Replace switchboards at 11 WWPS XXXX19 - DTROS PST Full scale trial and design (CEPT or AAA) - Energy Neutrality - Project to be renamed to "DTMAN Inlet Works Recycle Water Upgrade". This project involves installing a new water supply to the screens building at Mangere WWTP including pumping from the effluent channel, contrashear, and pping to the screens at the intel building. This project will prevent loss of plant due to pressure loss in the WEH supply, aspecifically after storm events. This is due to the higher turboilty levels observed from the inflow stream, which has significantly increased the volume of slu	30 - 50 Million a 20 - 30 Million 3 - 10 Million 30 - 50 Million 30 - 50 Million 31 Million 3 - 10 Million	outside panel within panel
FY27 01		Civil & Construction Electrical Wastewater & Water Treatment Plants	Execution Execution Design	WW0001399 WW0001022 WA0001029 WA0001399 WA000138 WW0001781 WW0001781 WW0001784 WA0001711 WW0001438	Silverdale West WW Pump Station Northcote-Chatswood WW Network Upgrades Waiuku Reservoir Upgrades Electrical Upgrades Water DTROS Fire Systems Upgrade STARD Filter PIT & FIT Replacements Electrical Upgrades Wastewater FYZS Wastewater PS Elec Replacements 1 Muriwai Source and Treatment Plant Rosedale WWTP PST Enhancement (Fat Collection) Mangere WWTP Potable Water Pipework Replacement Warkworth WTP Capacity Upgrade – Stage 1 Huia WTP Sludge Processing Capacity Improvements	Sewer, Pakusanga pump station (DPSD28) and local branch sewers. The Silverde West Wastwester Pump Station (WPS). pusteran gravity sewer from Small Rd, and downstream connection to the Millidale Branch Sewer are needed to provide wastwester service and enable the growth of the Silverdale West catchment. The project aims to divert wastewater from the catchment area, which currentlyflows to the Chatswood Branch sewer The project aims to increase water storage capacity in the Waikuku area by constructing an additional water reservoir at the Waikuku Bacd Water Teatment Plant (WTP) site. The scope includes: New approximately 1.5ML concrete reservoir located next to the existing Waikuku Reservoir. For anoth on the existing UV outlet connecting to the new reservoir. For anoth on the existing UV outlet connecting to the new reservoir. For anoth on the existing UV outlet connecting to the new reservoir waste system. For a construction of the sex straing part of the sex straing servoir waste system. For a containing wall system around the new reservoir to achieve the same base reference level with the existing reservoir. Future the into the reservoir's intel and outlet to connect with the future centralised Waikuku WPF system. Construct a new frising main and reconfigure local network to accommodate the change. Full of the strain to the reservoir's intel and outlet to connect with the future centralised Waikuku WPF system. Replacement of pressure and flow instruments on filters at Ardmore WTP due to condition observed during Condition Assessment rounds. FUNDING "EULCET" for Pareremoreme WW assets Project complete. Replace ewitchboards at 11 WWPS XOO'139 - DIROS PST Full scale trial and design (CEPT or AAA) - Energy Neutrality - Project to be renamed to "DTMAN linet Works Recycle Water Upgrade". This project involves installing a new water supply to the screens building at Mangere WWTP including pumping from the effluent channel, contrashear, and piping to the screens at the infer building. This project wil	30 - 50 Million a 20 - 30 Million 3 - 10 Million 30 - 50 Million 4 3 Million 3 - 10 Million 3 - 10 Million 4 3 Million 5 - 10 Million 10 - 20 Million 3 - 10 Million	outside panel within panel
P27 Q1		Civil & Construction Electrical Wastewater & Water Treatment Plants	Execution Execution Design	WW0001399 WW0001022 WA0001029 WA000139 WA000139 WA0001736 WW0001203 WW0001768 WA0001711 WW0001438 WW0001454 WA0001457	Silverdale West WW Pump Station Northcote-Chatswood WW Network Upgrades Waiuku Reservoir Upgrades Electrical Upgrades Water DTROS Fire Systems Upgrade STARD Filter PIT & FIT Replacements Electrical Upgrades Wastewater FY25 Wastewater PS Elec Replacements 1 Murhaul Source and Treatment Plant Rosedale WWTP PST Enhancement (Fat Collection) Mangere WWTP Potable Water Pipework Replacement Warkworth WTP Capacity Upgrade - Stage 1 Huia WTP Sludge Processing Capacity Improvements	Is sewer, Pakuranga pump station (IPSD28) and local branch sewers. The Silverdel West Mastewater Pump Station (WPS), upsteram gravity sewer from Small Rd, and downstream connection to the Millidale Branch Sewer are needed to provide wastewater service and enable the growth of the Silverdale West carchment. The project aims to divert wastewater from the catchment area, which currentlyflows to the Chatswood Branch sewer The project aims to increase water storage capacity in the Waikuku area by constructing an additional water reservoir at the Maikuk naded Water Treatment Plant (WTP) site. The scope includes: New approximately 1.5ML concrete reservoir located next to the existing Waikuk Reservoir. A branch on the existing UV outlet connecting to the new reservoir. Franch connection to the existing DMSS supply feed pipeline. Socur and overflow connection from mere reservoir to existing reservoir waste system. A retaining wall system around the new reservoir to achieve the same base reference level with the existing reservoir. Future ties inso the reservoir's intel and outlet to connect with the future centralised Waikuku WTP system. Construct a new rising main and reconfigure local network to accommodate the changes Fire Protection System Upgrade at Rosedale WWTP Replacement of pressure and flow instruments on filters at Ardmore WTP due to condition observed during Condition Assessment rounds FUNDING "BUCKET" for Pareremoremo WW assets Project complete Replace switchboards at 11 WWPS XXX719 - DTROS PST Full scale trial and design (CEPT or AAA) - Energy Neutrality Project to be renamed to "DTMAN Inlet Works Recycle Water Upgrade". This project involves installing a new water supply to the screens building at Mangree WVTP including pumping from the effluent channel, contrashera, and piping to the screens Maintaining production capacity and increasing resiliance of the almost 100-year-old existing fullia water treatment plant (WTP) is essential for the business until new infrastructure is built to r	30 - 50 Million a 20 - 30 Million 3 - 10 Million	outside panel within panel
F727 Q1		Civil & Construction Electrical Wastewater & Water Treatment Plants	Execution Execution Design	WW0001399 WW0001022 WA0001029 WA000139 WA000139 WA0001736 WW0001203 WW0001768 WA0001711 WW0001438 WW0001454 WA0001457	Silverdale West WW Pump Station Northcote-Chatswood WW Network Upgrades Waiuku Reservoir Upgrades Electrical Upgrades Water DTROS Fire Systems Upgrade STARD Filter PIT & FIT Replacements Electrical Upgrades Wastewater FY25 Wastewater PS Elec Replacements 1 Murhaul Source and Treatment Plant Rosedale WWTP PST Enhancement (Fat Collection) Mangere WWTP Potable Water Pipework Replacement Warkworth WTP Capacity Upgrade - Stage 1 Huia WTP Sludge Processing Capacity Improvements	sewer, Pakuaranga pump station (DPSD28) and local branch sewers. The Silverde West Wastwester Pump Station (WPSP), pusteram gravity sewer from Small Rd, and downstream connection to the Millidale Branch Sewer are needed to provide wastwester service and enable the growth of the Silverdale West carchment. The project aims to divert wastewater from the catchment area, which currentlyflows to the Chatswood Branch sewer The project aims to increase water storage capacity in the Waluku area by constructing an additional water reservor at the Waluku Raod Water Treatment of the Chatswood Ranch Sewer (Constructing an additional water reservor at the Waluku Raod Water Treatment of the Chatswood Ranch Racework). • A branch on the existing UV outlet connecting to the new reservoir. • A branch on the existing UV outlet connecting to the new reservoir waste system. • A retaining wall system around the new reservoir to existing reservoir waste system. • A retaining wall system around the new reservoir to achieve the same base reference level with the existing reservoir. • Future tie-ins to the reservoir's inlet and outlet to connect with the future centralised Waluku WPP System. Construct a new rining main and reconfigure local network to accommodate the change. Construct a new rining main and reconfigure local network to accommodate the change. Full William Construction System Upgada at Roadelle WWTP Replacement of pressure and flow instruments on filters at Ardmore WTP due to condition observed during Condition Assessment rounds. FUNDING "BUCKET" for Pareremoremo WW assets Project complete Replace worthboards at 11 WWPS XXX719 - DTROS PST Full scale trial and design (CEPT or AAA) - Energy Neutrality. Project to be renamed to "DTIMAN Inlet Works Recycle Water Uggrade". This project in solve is stating in a new water supply to the screens building at Mangere WWTP including pumping from the effluence of the almost 100-year-old existing this under the water business until the side legit budger. This project	30 - 50 Million a 20 - 30 Million 3 - 10 Million	outside panel within panel
F127 G1		Civil & Construction Electrical Wastewater & Water Treatment Plants	Execution Execution Design	WW0001399 WW0001022 WA0001029 WA0001139 WA000138 WW0001781 WW0001781 WW0001438 WW0001438 WW0001741 WW0001438	Silverdale West WW Pump Station Northcote-Chatswood WW Network Upgrades Waiuku Reservoir Upgrades Electrical Upgrades Water DTROS Fire Systems Upgrade STARD Filter PIT & FIT Replacements Electrical Upgrades Wastewater FYZS Wastewater PS Elec Replacements 1 Muriwai Source and Treatment Plant Rosedale WWTP PST Enhancement (Fat Collection) Mangere WWTP Potable Water Pipework Replacement Warkworth WTP Capacity Upgrade - Stage 1 Huia WTP Sludge Processing Capacity Improvements Linwood Avenue Pipe Upgrades Gulf Harbour Wastewater Servicing	sewer, Pakuramga pump station (DPS028) and local branch sewers. The Silverde West Wastware Pump Station (WPS), pusteram gravity sewer from Small Rd, and downstream connection to the Mildiale Branch Sewer are needed to provide wastewater service and enable the growth of the Silverdale West carchment. The project aims to divert wastewater from the catchment area, which currentlyflows to the Chatswood Branch sewer The project aims to increase water storage capacity in the Waluku area by constructing an additional water reservoir at the Mulauk nased Water Treatment Plant (WFP) site. The scope includes: **Annation of the existing UV cutlet connecting to the new reservoir. **Semantic Market Stating UV cutlet connecting to the new reservoir. **Semantic Market Stating UV cutlet connecting to the new reservoir waste system. **A retaining wall system around the new reservoir to existing reservoir waste system. **A retaining wall system around the new reservoir to achieve the same base reference level with the existing Perservoir. **Future tie-ins to the reservoir's inlet and outlet to connect with the future centralised Waluku WTP system. Construct a new rising main and reconfigure local network to accommodate the changes. Fire Protection System Upgrade at Rosedale WWTP Replacement of pressure and flow instruments on filters at Ardmore WTP due to condition observed during Condition Assessment rounds FURDING***DIGCET** for Parencementow Wassessment for the Subject of the Contrabate and piping to the screens	30 - 50 Million a 20 - 30 Million 30 - 30 Million 30 - 50 Million 30 - 50 Million 3 - 10 Million 10 - 20 Million	within panel



						current population projection indicates that additional flow from the future developments will exceed existing capacity of the lingaia pumping station in the near future and increase the risk of wastewater overflow into the environment. In order to allow for the developments to continue an additional storage capacity needs to be provided until an interim Hingaia pumping station upgrade will be completed. The new storage tanks will provide a temporary solution to service growth in the Southern Growth Area (SGA) until interim upgrade of the existing Hingaia		
	Asset Upgrades & Renewals	Wastewater Pipeline Renewals Water Pipeline Renewals	Execution Design	WW0001804 WA0001385 WA0001637	Hingaia WW Storage Solution Warkworth Western Zone - Boost Pump Station Zita Pumped Zone Reconfiguration	wastewater pumping station will be completed. It will also increase resilience by providing required emergency storage for the interim Hingaia pumping station. XXXE2 - Western Zone - Boost pump station - Business Needs:	20 - 30 Million 3 - 10 Million < 3 Million	within panel within panel within panel
						- The current AC Takanini 2 transmission watermain is in poor condition and requires replacement.		
	Discrete Projects	Discrete Projects	Design	WA0001395	Takanini 2 Renewal	The Takanini WSZ is projected to grow from 10MLD to 17.5MLD over a 50 year planning horizon. This will require the new watermain to be upsized. This project is to construct a new Stanmore pump station to provide future 100	50 - 100 Million	outside pane
	Major Projects	Major Projects	Design	WW0001173	Stanmore PS & RM Upgrade	year capacity linked with a 9km Rising Main between Stanmore pump station and Army Bay Waste Water Treatment Plant.	100 - 250 Million	outside pane
						The Wairau branch sewer is currently capacity constrained and will need to be upgraded to continue servicing existing communities and accommodate for future demand of ~150k people. Providing additional conveyance, storage volumes and pump station capacity to		
				WW0001212	Wairau Valley Diversion	Rosedale WWTP provides the ability to attenuate peak flows and reduce peak flow management and capacity at the WWTP, whist providing resilience and additional capacity to the wastewater transmission network for this large catchment.	100 - 250 Million	outside pane
			Execution	WW0001554	Southwestern Int Duplication Manurewa To Mangere	XXX337 - Southwestern interceptor duplication - Manurewa to Mangere (decision required - Pukekohe or Mangere) -	100 - 250 Million	outside pane
	Asset Upgrades & Renewals	Civil & Construction Electrical	Design Execution Execution	WA0001398 WA0001336 SS0001069	Warkworth Northern Reservoir Boost PS & Trnk Mns Fairview Pump Station Networks PS Electrical Upgrade	WA0001398 - Northern zone reservoir and local boost pump station Renewal and relocation of Fairview PS. Replacement of switchboards at a number of Network WWPS	10 - 20 Million 30 - 50 Million < 3 Million	within panel within panel within panel
				WA0001730 WA0001731	STWEL Switchboard Replacement STHEL Standby Generator	Urgent replacement of switchboard at Wellsford WTP due to safety and resilience concerns Backup generator for Helensville WTP	< 3 Million < 3 Million	within panel within panel
				WW0001218 WW0001272	Wastewater Transmission VSD Upgrades DPPPW (PS20) Backup Power Supply	Replace aged Variable Speed Drives at a number of WWPS WW pump station Pilot site to consider for grid scale battery to prevent overflows during power outages	< 3 Million	within panel
		Wastewater & Water Treatment Plants	Design	WW0001272 WW0001767 WW0001151	FY25 Wastewater PS Elec Replacements 2 Owhanake WWTP Upgrade (Stg 2)	Replacement of switchboards at 10 WWPS	3 - 10 Million < 3 Million	within panel within panel
						This project involves the design of a flow diversion system at the Pukekohe Wastewater Treatment Plant to manage peak inflows and reduce overflow risk. The proposed solution will redirect excess flows from Pond 1 through the existing Aerated Selector Basin (ASB) and into Pond 3, which will be reactivated as emergency storage. This approach optimises existing assets, enhances wet weather		
			Execution	WW0001201	Pukekohe WWTP Pond 1 Overflow	resilience, and addresses compliance issues associated with the current overflow system. The current stage focuses solely on progressing detailed design. The Rosedale WWTP Inlet Works (Screens/Conveyors) Project is needed to improve	10 - 20 Million	within panel
				WW0001483	Rosedale WWTP Inlet Works (Screens/Conveyors)	intake capacity and resilience to meet future flow demand. It will also enable future plant upgrades and expansion. The project is associated with upgrading CC7A and CC7A1 EOP collector sewers to	3 - 10 Million	within panel
		Wastewater Pipeline Renewals	Design	WW0001678	WIWQIP Avondale Whau CC7A CC7A1 to Miranda Shaft	address current performance issues, provide capacity for growth, and capture combined sewer overflows. This projects aim is to address regular overflows from MH 1224392 that regularly	3 - 10 Million	within panel
						overflows into Alexandra stream which runs adjacent to the assets. The manhole is shallow but the main contributing factor to the overflows are downstream capacity constraints. Solutions are targeted around diversion or improving downstream capacity to alleviate stress on the network and ultimately		
		Water Pipeline Renewals	Execution Design Execution	WW0001185 WA0001285 WA0001333	Unsworth Heights Diversion Warkworth Water Hudson Rd to Matakana Link Rd Market Road Watermain Replacement	reduce the number of overflows into the stream thus improving water quality. WA0001285 - Watermain from Hudson Road WTP upto Matakana Link Road Active Project - Do not use WA00001395	3 - 10 Million 3 - 10 Million 3 - 10 Million	within panel within panel within panel
				WA0001492	Kitchener Rd PS Replacement	XXX576 - Kitchener Rd PS, Pukekohe. Determine optimum size and location for new Anzac zone. Review Jackie's work URGENT dependent on Pukekohe West BSP work complete. Pumps old and currently failing to match demand XXXS80 - Mt Hobson PS Upgrade - Pumps nearing end of lifetime and currently not meeting system demand.	3 - 10 Million	within panel
						 Pumps the arm genu on meume and currency flor thereing system dentand. Main risk are the current pump failing and the challenges around the constructability phase of project. Current stope only includes pump station upgrade. Upstream and downstream are out of scope. SCADA data and modelling results show the pumps are undercapacity for current 		
	Major Projects	Major Projects	Daries	WA0001495	Mt Hobson PS Upgrade WIWOIP Avandale Lynfield Branch To Havcock Shaft	demand. • Pump upgrade required to meet both current and future demands.	3 - 10 Million	within panel
	Major Projects Asset Upgrades & Renewals	Major Projects Electrical	Design	WW0001680 WA0001658	WIWQIP Avondale Lynfield Branch To Haycock Shaft Mt Roskill Reservoir RTS	The project is associated with upgrading the Dundale and Lynfield Avenue Branchsewers to address current performan Mt Roskill Reservoir - Feasibility Study - investigation to check the viability of getting this reservoir back to service and provide concept design.	2 100 - 250 Million 3 - 10 Million	outside pane within panel
				WA0001732	FY25 Water PS Elec Replacements 2	Replace switchboards at three water PS (WPCBL, WPONL, WPRED) Note: WPRED now excluded as already upgraded under a different project Replacement of switchboards at three WPS (WPWCR, WPWEK, WPSUN) Note: WPSUN now	3 - 10 Million	within panel
				WA0001733 WA0001735	FY25 Water PS Elec Replacements 1 STWKO VSD Replacements	excluded as a fready replaced under another project. Replace small VSDs at Waikato WTP due to age and obsolescence XXX14 New admin building - separation of production from public - H&S,	3 - 10 Million < 3 Million	within panel within panel
		Wastewater & Water Treatment Plants	Design	WW0001449	Mangere WWTP New admin building	security driven - This project involves installing two diversions in the Waiuku Wastewater Network	30 - 50 Million	within panel
		Wastewater Pipeline Renewals Water Pipeline Renewals	Execution Execution	WW0001798 WA0001083	Waiuku WW Network diversion Redoubt PS Upgrade	to address capacity constraints in the ageing infrastructure of the wastewater network at Waiuku golf course.	< 3 Million < 3 Million	within panel within panel
				WA0001397	Mangere Watermain High Volume Flushing Valve	Link between Hunua 3 and 4 via Mangere WM enables redundancy to the whole of Mangere zone. Needs flushing valves to redirect flows. Implementation of a booted supply zone via a new Pump Station to be constructed	< 3 Million	within panel
				WA0001526	Waikumete Pump Station (Sunnyvale PS)	next to the Waikumete Reservoir. This project will deliver a new centralized water treatment plant for Waikuku at 11 Cornwall Rd which will consolidate existing bores located at four different locations in the area. Treated water will then be pumped to two storage reservoirs at 1471 Waikuk Bd and one at 83 Victoria Ave. Approximately 3,500 meters each of new raw and treated water pipelines will connect the new treatment plant to the existing bores and reservoirs. As part of this project,	3 - 10 Million	within panel
	Discrete Projects	Discrete Projects	Execution	WA0001042	Waiuku Water Treatment Upgrade	three existing WTPs will be decommissioned, with the bores and reservoirs integrated into the new system. The outcomes sought from delivering the project are to increase WTP capacity, ensure compliance with relevant regulations, and improve reliability to the desired level of service. Upgrade of existing 25MLD Onehunga Water Treatment Plant to: - Comply with regulatory standards (i.e. PFAS, fluoridation) - Improve water supply system resilience	30 - 50 Million	outside pane
						Replace assets at end of service life Comprises of the following scope items: New treatment assets (GAC system, UV, polymer) New methracial systems (gumps, valves) - New methracial systems (gumps, valves) - Associated civil and structural works (buildings, foundations, roading, underground services) - Modification of existing assets - Commissioning and decommissioning		
				WA0001109 WA0001365	Onehunga WTP PFAS & Second Barrier Devonport 2 Watermain Replacement	Design, investigations and statutory approvals WA0001365 - Devonport 2 watermain - urgent replacements Approximately 4.5 km of 300mm AC pipeline to be replaced/upgraded.	30 - 50 Million 30 - 50 Million	outside pane within panel
						The works support redevelopment of the Tamaki Precinct to enable approximately 14,400 Neathly homes over the next 50 years. The project involves the installation of 5.3 km of local network watermains within the road reserve across two key alignments in the Tamaki Precinct, to service growth and intestification driven by KO Tamaki & Specialist vehicle setup for developments (TRC):		
						Northern Alignment: 4.1 km of pipelines fed from the St Johns Reservoir, serving the Glen Innes zone. Southern Alignment: 1.2 km of pipeline that serves the Panmure zone and is fed		
				WA0001619	Tamaki Precinct Water	from the Bridge Street Bulk Supply Point. Upgrade of the existing Te Paea Pump Station, construction of a new Paerata Pump Station, and installation of a rising main linking both to the Isabella North	50 - 100 Million	outside pane
				WW0001446	Paerata Wastewater Servicing	Pump Station. The works will improve capacity, reliability, and future-proof wastewater conveyance for growth in the area.	50 - 100 Million	outside pane
						This project includes the construction of a new Raw Mater Pump Station for the future Waikato A WTP. The W50 floating pump station can then be removed from the Waikato River. The new Waikato A RWPS will be connected to the existing W50 RM		
	Major Projects Asset Upgrades & Renewals	Major Projects Civil & Construction Wastewater & Water Treatment Plants	Execution Execution	WA0001241 WA0001398 WA0001711	Waikato A Raw Water Intake Warkworth Northern Reservoir Boost PS & Trnk Mns Muriwai Source and Treatment Plant	to supply the WSO water treatment facility. WA0001398 - Northern zone reservoir and local boost pump station	100 - 250 Million 10 - 20 Million 10 - 20 Million	outside pane within panel within panel
				WW0001151	Owhanake WWTP Upgrade (Stg 2)	Project to be renamed to "DTMAN inlet Works Recycle Water Upgrade". This project involves installing a new water supply to the screens building at Mangere WWTP including pumping from the effluent channel, contrashear, and	< 3 Million	within panel
				WW0001454	Mangere WWTP Potable Water Pipework Replacement	piping to the screens at the inlet building. This project will prevent loss of plant due to pressure loss in the WEH supply, and decrease maintenance intervals in clearing of the screens	3 - 10 Million	within panel
		Water Pipeline Renewals	Execution	WA0001416	Mission Heights PS - Upgrade	XXX124 - Mission Heights PS - Upgrade 15 Years old - need to review Brendon's work WW00001417 - The Pleasant Road Pump Station (PRPS) Replacement project addresses the end-of-life renewal of a critical water infrastructure asset serving West Auckland. Originally designed to boost flow from the Huia 2 Watermain to the Waitakere Reservoir, the station was repurposed in 2023 following flood-related	< 3 Million	within panel
						damage to instead supply the Highland Avenue Bulk Supply Point (BSP). This change eliminated its dual-supply function, reducing network resilience.		
						This project will deliver feasibility and concept design for:		
						A new dual-pump configuration within a single building—one set dedicated to the Highland Ave SSP, and one to the Waitakere Reservoir via the Waitakere 1 Watermain. Enhanced supply resilience and operational flexibility during network failures or planned outages.		
						A new dual-pump configuration within a single building—one set dedicated to the Highland Ave SSP, and one to the Waltakere Reservoir via the Waltakere 1 Watermain. Enhanced supply resilience and operational flexibility during network failures or planned outages. Capacity upgrades to support future growth and shutdowns at the Waltakere WTP and raw watermain. Consideration of new site acquisition due to existing spatial constraints.		
				WA0001417	Pleasant Rd PS Replacement	A new dual-pump configuration within a single building—one set dedicated to the Highland Ave BSP, and one to the Waitakere Reservoir via the Waitakere 1 Watermain. Enhanced supply resilience and operational flexibility during network failures or planned outages. Capacity upgrades to support future growth and shutdowns at the Waitakere WTP and raw watermain.	10 - 20 Million	within panel
				WA0001417	Pleasant Rd PS Replacement	A new dual-pump configuration within a single building—one set dedicated to the Highland Ave SSP, and one to the Waltakere Reservoir via the Waltakere 1 Watermain. Enhanced supply resilience and operational flexibility during network failures or planned outages. Capacity upgrades to support future growth and shutdowns at the Waltakere WTP and raw watermain. Consideration of new site acquisition due to existing spatial constraints. The upgrade will restore critical redundancy, support ~15,000 residents, and strengthen West Auckland's water supply resilience. This transmission watermain has two fundamental needs: - provide a cross connection between Wallatto No.1 WM and Walkato No.2 WM provide a transmission supply to the north of Pukekohe where the Paerata WSZ can be supplied from to service growth in the Wesleyf Paerata area over the next 50 years.	10 - 20 Million	within panel
	Discrete Projects	Discrete Projects	Execution	WA0001417 WA0001343 WW0001005	Pleasant Rd PS Replacement Wesley/Paerata Watermain Howick WW Catchment System Upgrades	A new dual-pump configuration within a single building—one set dedicated to the Highland Ave SSP, and one to the Waltakere Reservoir via the Waltakere 1 Watermain. Enhanced supply resilience and operational flexibility during network failures or planned outages. Capacity upgrades to support future growth and shutdowns at the Waltakere WTP and raw watermain. Consideration of new site acquisition due to existing spatial constraints. The upgrade will restore critical redundancy, support ~15,000 residents, and strengthen West Auckland's water supply resilience. This transmission watermain has two fundamental needs: - provide a cross connection between Waliato No.1 WM and Waliato No.2 WM provide a cross connection between Waliato No.1 WM and Waliato No.2 WM provide a transmission supply to the north of Pukekohe where the Paerata WSZ can be supplied from to service growth in the Wesley! Paerata area over the next 50 years. By 2028, the population in Paerata is forecast to grow by ±13650 PE vs 2018 levels, and then by a subsequent ±500 PE by 2038. This watermain upgrade will provide capacity to provide for the full ±1950 PE growth in the region. Further, the line provides resilience to the existing network by providing redundancy. Proposed Howick Diversion consisting of a new pump stations and associated network upgrades in Aviennore and Millhouse Parks to provide for growth and mitigate sewer overflows from the Howick interceptor, the Bucklands Beach branch sever, Pakuraga pump stations (DPSSZ) and local branch severs.	10 - 20 Million 50 - 100 Million 30 - 50 Million	outside pane
	Discrete Projects Major Projects Asset Upgrades & Renewals	Discrete Projects Major Projects Electrical	Execution Design Execution	WA0001343	Wesley/Paerata Watermain	A new dual-pump configuration within a single building—one set dedicated to the Highland Ave SSP, and one to the Waitakere Reservoir via the Waitakere 1 Watermain. Enhanced supply resilience and operational flexibility during network failures or planned outages. Capacity upgrade so support future growth and shutdowns at the Waitakere WTP and raw watermain. Consideration of new site acquisition due to existing spatial constraints. The upgrade will restore critical redundancy, support "15,000 residents, and strengthen West Auckland's water supply resilience. This transmission watermain has two fundamental needs: - provide a cross connection between Wailato No. 1 WM and Waikato No. 2 WM provide a transmission supply to the north of Pukelohe where the Paerata WSZ can be supplied from to service growth in the Wesley! Paerata area over the next 50 years. By 2028, the population in Paerata is forecast to grow by +13650 PE vs 2018 levels, and then by a subsequent +5400 PE by 2038. This watermain upgrade will provide capacity to provide for the full +19150 PE growth in the region. Further, the improvides resilience to the existing network by providing redundancy. Proposed Howick Diversion consisting of a new pump stations and associated network upgrades in Aviemore and Millhouse Parks to provide for growth and mitigate seeve overflows from the Howick intereptor, the Bucklands Beach branch	50 - 100 Million	within panel outside pane outside pane outside pane within panel
	Major Projects	Major Projects	Design Execution Design	WA0001343 WW0001005 WW0001573 WW0001766 WA0001480 WW0001440	Wesley/Paerata Watermain Howick WW Catchment System Upgrades Pukekohe Upgrade Stage 3 (Pe Plus 30 0000) DTMAN Switchboards Replacement FYZ5 Helenswile WTP Process Improvements Rosedale WWTP Ananmox Side Stream	A new dual-pump configuration within a single building—one set dedicated to the Highland Ave SSP, and one to the Waltakere Reservoir via the Waltakere 1 Watermain. Watermain. Enhanced supply resilience and operational flexibility during network failures or planned outages. Capacity upgrades to support future growth and shutdowns at the Waltakere WTP and raw watermain. Consideration of new site acquisition due to existing spatial constraints. The upgrade will restore critical redundancy, support "15,000 residents, and strengthen West Auckland's water supply resilience. This transmission watermain has two fundamental needs: - provide a cross connection between Wallatto No. 1 WM and Walkato No. 2 WM provide a crass mission supply to the north of Pukelohe where the Paerata WSC can be supplied from to service growth in the Wesley Paerata area over the next 50 years. By 2028, the population in Paerata is forecast to grow by +13650 PE vs 2018 levels, and then by a subsequent +5000 PE by 2038. This watermain upgrade will provide capacity to provide for the full +3150 PE growth in the region. Further, the line provides resilience to the existing network by providing redundancy. Proposed Howick Diversion consisting of a new pump stations and associated network upgrades in Aviennore and Millhouse Parks to provide for growth and mitigate sever overflows from the Howick interoptry, the Sucklands Beach branch sewer. Pakuranga pump station (DPS028) and local branch sewers. Pukelohe upgrade stage 3 (Fe plus 30,0000) This project will increase the capacity of the Pukekohe WWTP by about 30,000 PE. Replacement of six HV and six Gusterman estimation -	50 - 100 Million 30 - 50 Million 100 - 250 Million 10 - 20 Million 33 - 10 Million 3 - 10 Million	outside pane outside pane within panel within panel
	Major Projects	Major Projects Electrical Wastewater & Water Treatment Plants	Design Execution	WW0001005 WW0001573 WW0001486 WW0001440 WW0001521 WW0001439 WW0001449	Wesley/Paerata Watermain Howick WW Catchment System Upgrades Pukekohe Upgrade Stage 3 (Pe Plus 30 0000) DTMAN Switchboards Replacement FYZ5 Helensville WTP Process Improvements Rosedale WWTP Panamons Side Stream Warkworth Southern Zone - Sanderson Rd WTP Upgrade Rosedale WWTP PST Enhancement (Fat Collection) Mangere WWTP New admin building	A new dual-pump configuration within a single building—one set dedicated to the Highland Ave 85P, and one to the Waltakere Reservoir via the Waltakere 1 Watermain. Enhanced supply resilience and operational flexibility during network failures or planned outages. Capacity upgrades to support future growth and shutdowns at the Waltakere WTP and raw watermain. Consideration of new site acquisition due to existing spatial constraints. The upgrade will restore critical redundancy, support ~15,000 residents, and strengthen West Auckland's water supply resilience. This transmission watermain has two fundamental needs: - provide a cross connection between Wallato No.1 WM and Walkato No. 2 WM provide a transmission supply to the north of Pukekohe where the Paerata W5Z can be supplied from to service growth in the Wesley/ Paerata area over the next 50 years. By 2028, the population in Paerata is forecast to grow by ±13650 PE vs 2018 levels, and then by a subsequent +5400 PE by 2028. This watermain upgrade will provide capacity to provide for the full +9150 PE growth in the region. Further, the line provides resilience to the existing network by providing redundancy. Proposed Howkic Diversion consisting of a news parks to provide for growth and mitigate sever overflows from the Howkic interceptor, the Bucklands Beach branch severe, Pakuranga pump station of Despators and associated network upgrades in Aviennore and Millhouse Parks to provide for growth and mitigate sever overflows from the Howkic interceptor, the Bucklands Beach branch severe, Pakuranga pump station (PSD28) and local branch severe. Pukekohe upgrade stage 3 [PE plus 30,0000) This project will increase the capacity Upgrade -10 and Production capacity to the Helensville township to enable develoy XXX14 - DTROS Anammox side stream design and implementation - XXX648 - Southern Zone - Boost pump station or at anderson Rd WTP - XXX719 - DTROS PST Foll scale trial and design (CEPT or AAA) - EnergyNeutrality - XXX14 - New admin building - sepanation of	50 - 100 Million 30 - 50 Million 100 - 250 Million 10 - 20 Million 10 - 30 Million 10 - 30 Million < 3 Million < 3 Million 30 - 50 Million	outside pane outside pane within panel within panel within panel within panel within panel
	Major Projects	Major Projects Electrical	Design Execution Design	WA0001343 WW000105 WW0001573 WW0001766 WA0001480 WW0001440 WA0001521 WW0001438	Wesley/Paerata Watermain Howick WW Catchment System Upgrades Pukekohe Upgrade Stage 3 (Pe Plus 30 0000) DTMAN Switchboards Replacement FY25 Helensville WTP Proaces Improvements Rosedale WWTP Anamnox Side Stream Warkworth Southern Zone - Sanderson Rd WTP Upgrade Rosedale WWTP PST Enhancement (Fat Collection)	A new dual-pump configuration within a single building—one set dedicated to the Highland Ave SSP, and one to the Waltakere Reservoir via the Waltakere 1 Watermain. Watermain. Enhanced supply resilience and operational flexibility during network failures or planned outages. Capacity upgrades to support future growth and shutdowns at the Waltakere WTP and raw watermain. Consideration of new site acquisition due to existing spatial constraints. The upgrade will restore critical redundancy, support ~15,000 residents, and strengthen West Auckland's water supply resilience. This transmission watermain has two fundamental needs: - provide a cross connection between Wallatto No. 1 WM and Walkato No. 2 WM provide a cross connection between Wallatto No. 1 WM and Walkato No. 2 WM provide a transmission supply to the north of Puketohe where the Paerata WSc can be supplied from to service growth in the Wesley Paerata area over the next 50 years. By 2028, the population in Paerata is forecast to grow by +13650 PE vs 2018 levels, and then by a subsequent +5000 PE by 2038. This watermain upgrade will provide capacity to provide for the full +3150 PE growth in the region. Further, the line provides resilience to the existing network by providing redundancy. Proposed Howick Diversion consisting of a new pump stations and associated network upgrades in Aviennore and Millhouse Parks to provide for growth and mitigate sever overflows from the Howick intereptor, the Bucklands Seach branch sewer. Pakuranga pump station (DPS028) and local branch sewers. Pukelohe upgrade stage 3 (PE plus 30,0000) This project will increase the capacity of the Pukekohe WWTP by about 30,000 PE. Replacement of six HV and six Us watchboards at Managere WWTP XXXX19. Helensville WTP Capacity Upgrade -To add Production capacity to the Helensville township to enable develoy XXXX11. DRSOS Anamous side stream design and implementation - XXXX19. Helensville WTP - XXXX19. Selfensville WTP - XXXX19. Selfensville VTP - XXXX19. Selfensville VTP - XXXX19	50 - 100 Million 30 - 50 Million 100 - 250 Million 10 - 20 Million 10 - 30 Million 10 - 30 Million 4 3 Million 4 3 Million 3 - 10 Million 3 - 10 Million 3 - 10 Million	outside pane outside pane within panel within panel
	Major Projects	Major Projects Electrical Wastewater & Water Treatment Plants	Design Execution Design Execution Design	WA0001343 WW000105 WW0001573 WW0001766 WW0001440 WA0001440 WW0001449 WW0001449 WW000149 WW000149 WW000149 WW000149 WW000149 WW000149 WW000149	Wesley/Paerata Watermain Howick WW Catchment System Upgrades Pukekohe Upgrade Stage 3 (Pe Plus 30 0000) DTMAN Switchboards Replacement FYZ5 Helensville WTP Process Improvements Rosedale WWTP Anammox Side Stream Warkworth Southers One - Sanderson Rd WTP Upgrade Rosedale WWTP PST Enhancement (Fat Collection) Mangere WWTP Piew admin building Opaheke Wastewater Servicing - Trunk Rising Limwood Avenue Pipe Upgrades Gulf Harbour Wastewater Servicing - Clevedon WW Stage 3 Clevedon WW Stage 3 Clevedon WW Stage 3	A new dual-pump configuration within a single building—one set dedicated to the Highland Ave SSP, and one to the Waltakere Reservoir via the Waltakere 1 Watermain. Watermain. Enhanced supply resilience and operational flexibility during network failures or planned outages. Capacity upgrades to support future growth and shutdowns at the Waltakere WTP and raw watermain. Consideration of new site acquisition due to existing spatial constraints. The upgrade will restore critical redundancy, support ~15,000 residents, and strengthen West Auckland's water supply resilience. This transmission watermain has two fundamental needs: - provide a cross connection between Walkato No.1 WM and Walkato No.2 WM provide a ross connection between Walkato No.1 WM and Walkato No.2 WM provide a ransmission supply to the north of Pukedohe where the Paerata WS2 can be supplied from to service growth in the Wesliely Paerata are acree the next 50 years. By 2028, the population in Paerata is forecast to grow by +13650 PE vs 2018 levels, and then by a subsequent +5000 PE by 2038. This watermain upgrade will provide capacity to provide for the full +9150 PE growth in the region. Further, the line provides resilience to the existing network by providing redundancy. Proposed Howick Diversion consisting of a new pump stations and associated network upgrades in Avienner and Millhouse Parks to provide for growth and mitigate sever overflows from the Howick interceptor, the Bucklands Seach branch sewers. Pakuranga pump station (DPS028) and local branch sewers. Pukelohe upgrade stage 3 (PE plus 30,0000) This project will increase the capacity of the Pukelohe WWTP by about 30,000PE. Replacement of six HV and six Livi satisfation of production from public -H85, security driven - XXXXII-0 DROS PST Full satisfation of production from public -H85, security driven - XXXXII-0 Droke WWTP for the next 30 years in displayment with NZTA timing Parker Estat The aim of this project is to allow for population growth for the next 30 years in Gl	50 - 100 Million 30 - 50 Million 10 - 20 Million 10 - 20 Million 10 - 20 Million 30 - 50 Million 30 - 50 Million 30 - 50 Million 30 - 50 Million 3 - 10 Million	outside pane outside pane outside pane within panel
	Major Projects	Major Projects Electrical Wastewater & Water Treatment Plants	Design Execution Design Execution Design Execution Design Design	WW0001005 WW0001573 WW0001766 WW0001449 WW0001449 WW0001430 WW0001490 WW0001490 WW0001678 WW0001678 WW0001590	Wesley/Paerata Watermain Howick WW Catchment System Upgrades Pukekohe Upgrade Stage 3 (Pe Plus 30 0000) DTMAH Switchboards Replacement P725 Helensville WTP Process Improvements Rosedale WWTP PT Porcess Improvements Rosedale WWTP PS Tenancement (Fat Collection) Mangere WWTP PR Schancement (Fat Collection) Mangere WWTP Rev admin building Opaheke Wastewater Servicing - Trunk Rising Limnood Avenue Pipe Upgrades Gulf Harbour Wastewater Servicing Clevedon WW Stage 3 Otara local network upgrade WWUGIP Avondale Whatu CC7A CC7A1 to Mirianda Shaft Mangere Watermain High Volume Flushing Valve WWS West Coss Rosel Rosel Food Porcetion PN 17 to NH1	A new dual-pump configuration within a single building—one set dedicated to the Highland Ave SSP, and one to the Waltakere Reservoir via the Waltakere 1 Watermain. Enhanced supply resilience and operational flexibility during network failures or planned outages. Capacity upgrades to support future growth and shutdowns at the Waltakere WTP and raw watermain. Consideration of new site acquisition due to existing spatial constraints. The upgrade will restore critical redundancy, support ~15,000 residents, and strengthen West Auckland's water supply resilience. This transmission watermain has two fundamental needs: - provide a cross connection between Walaten No. I WM and Walkato No. 2 WM provide a transmission supply to the north of Pukekohe where the Paerata WSZ can be supplied from to service growth in the Wesley Paerata area over the next 50 years. By 2028, the population in Paerata is forecast to grow by +13650 PE vs 2018 levels, and then by a subsequent +5400 PE by 2038. This watermain upgrade will provide capacity to provide for the full +19150 PE growth in the region. Further, the line provides resilience to the existing network by providing redundancy. Proposed Howick Diversion consisting of a new pump stations and associated network upgrades in Aviemore and Millhouse Parks to provide for growth and mitigate severe overflows from the Howick interpetor, the Bucklands Beach branch sewer. Pakuranga pump station (IPS028) and local branch sewers. Pukekohe upgrade stage 3 (PE plus 30,0000) This project will increase the capacity of the Pukekohe WWTP by about 30,000 PE. Replacement of six HV and six Us westriboards at Managere WWTP XXXX41 - DTROS Anamnox side stream design and imglementation - XXXX484 - Souther Zone - Boost pump station - at sanderson Rd WTP XXXX545 - Opaheke Waterwater sing main from Clevedon to the Talania Branch - Hiss. Security driven - XXXX454 - Souther Zone - Boost pump station - at sanderson Rd WTP XXXX41 - DTROS Anamnox side stream design and imglementation XXX454	50 - 100 Million 30 - 50 Million 100 - 250 Million 10 - 20 Million 10 - 20 Million 10 - 20 Million 10 - 20 Million 30 - 50 Million 4 Million 3 - 10 Million 3 - 10 Million 10 - 20 Million 3 - 10 Million 3 - 10 Million 3 - 10 Million 3 - 10 Million 3 - 30 Million	outside pane outside pane within panel
	Major Projects	Major Projects Electrical Wastewater & Water Treatment Plants Wastewater Pipeline Renewals	Design Execution Design Execution Design Execution	WA0001343 WW0001005 WW0001573 WW0001561 WA0001486 WW0001481 WW0001481 WW0001482 WW0001483 WW0001489 WW0001133 WW0001130 WW0001678 WA0001501 WA0001301 WA0001301 WA0001301 WA0001301 WA000131	Wesley/Paerata Watermain Howick WW Catchment System Upgrades Pukekohe Upgrade Stage 3 (Pe Plus 30 0000) DTMAN Switchboards Replacement FYZ5 Helensville WTP Process Improvements Rosedale WWTP Panamnor Side Stream Warkourth Southern Zone - Sanderson Rd WTP Upgrade Rosedale WWTP PST Enhancement (Fat Collection) Mangere WWTP PST Enhancement (Fat Collection) Gpaheke Wastewater Servicing - Trunk Rising Linwood Avenue Pipe Upgrades Gulf Harbour Wastewater Servicing Clevedon WW Stage 3 Cura locial relvow's tougrade WWWQIP Avondale Whau CC7A CC7A1 to Miranda Shaft Mangere Watermain High Volume Flushing Valve WWS West Coast Road Cross Connection-NH 2 To NH1 Hingaia Watermain East/West Clevedon Water Stage 3 Clevedon Water Stage 3 Clevedon Water Stage 3 Markworth Western Zone - Boost Pump Station	A new dual-pump configuration within a single building—one set dedicated to the Highland Ave SSP, and one to the Waltakere Reservoir via the Waltakere 1 Watermain. Enhanced supply resilience and operational flexibility during network failures or planned outages. Capacity upgrades to support future growth and shutdowns at the Waltakere WTP and raw watermain. Consideration of new site acquisition due to existing spatial constraints. The upgrade will restore critical redundancy, support ~15,000 residents, and strengthen West Auckland's water supply resilience. This transmission watermain has two fundamental needs: - provide a cross connection between Walateto No.1 WM and Walkato No.2 WM provide a transmission supply to the north of Pukekohe where the Paerata WSZ can be supplied from to service growth in the Wesley/ Paerata area over the next 50 years. By 2028, the population in Paerata is forecast to grow by +13650 PE vs 2018 levels, and then by a subsequent +5400 PE by 2038. This watermain upgrade will provide capacity to provide for the full +19150 PE growth in the region. Further, the line provides resilience to the existing network by providing redundancy. Proposed Howick Diversion consisting of a new pump stations and associated network upgrades in Aviemore and Millhouse Parks to provide for growth and mitigate sever overflows from the Howick interpeton, the Bucklands Beach branch sever. Pakuranga pump station (DPS028) and local branch sewers. Pukelone upgrade size 3 (PE plus 30,0000) This project will increase the capacity of the Pukekohe WWTP by about 30,000PE. Replacement of six N and six IV swirchboards at Managere WWTP XXXX540 - Stouthern Zone - Boost pump station - at sanderson Rd WTP XXX540 - Stouthern Zone - Boost pump station - at sanderson Rd WTP XXX540 - Stouthern Zone - Boost pump station - at sanderson Rd WTP XXX541 - DTROS Anammos side stream design and implementation - XXX540 - Stouthern Zone - Boost pump station - at sanderson Rd WTP XXX540 - Stouthern Zone - Boo	50 - 100 Million 30 - 50 Million 100 - 250 Million 10 - 20 Million 10 - 20 Million 30 - 50 Million 10 - 20 Million 3 - 10 Million	outside pane outside pane outside pane within panel
	Major Projects	Major Projects Electrical Wastewater & Water Treatment Plants Wastewater Pipeline Renewals	Design Execution Design Execution Design Execution Design Design	WW0001343 WW0001573 WW0001573 WW0001766 WA0001486 WW0001449 WW0001491 WW0001490 WW0001490 WW0001590 WW0001678 WA0001593 WA0001593 WA0001593 WA0001593 WA0001593	Wesley/Paerata Watermain Howick WW Catchment System Upgrades Pukekohe Upgrade Stage 3 (Pe Plus 30 0000) DTMAN Switchboards Replacement FY25 Helensville WTP Process Improvements Rosedale WWTP Paramons Side Stream Warkworth Southern Zone - Sanderson Rd WTP Upgrade Rosedale WWTP Pare Honarcement (Fat Collection) Mangere WWTP Rev admin bulding Opaheke Wastewater Servicing - Trunk Rining Limwood Avenue Pipe Upgrades Gulf Harbour Wastewater Servicing Clevedon WW Stage 3 Otara local network upgrade WWUQIP Avondale Whau CCTA CCTA1 to Miranda Shaft Mangere Watermain High Volume Flushing Valve WWS West Coast Road Cross Connection-NH 2 To NH1 Hingala Watermain East/West Clevedon Water Stage 3	A new dual-pump configuration within a single building—one set dedicated to the Highland Ave SSP, and one to the Waitakere Reservoir via the Waitakere 1 Watermain. Watermain. Enhanced supply resilience and operational flexibility during network failures or planned outages. Capacity upgrades to support future growth and shutdowns at the Waitakere WTP and raw watermain. Consideration of new site acquisition due to existing spatial constraints. The upgrade will restore critical redundancy, support ~15,000 residents, and strengthen West Auckland's water supply resilience. This transmission watermain has two fundamental needs: - provide a cross connection between Wailatto No.1 WM and Waikato No.2 WM provide a transmission supply to the north of Pukekohe where the Paerata WSZ can be supplied from to service growth in the Wesleyl Paerata area over the next 50 years. By 2028, the population in Paerata is forecast to grow by +13650 PE vs 2018 levels, and then by a subsequent +5400 PE by 2038. This watermain upgrade will provide capacity to provide for the full +19150 PE growth in the region. Further, the line provides resilience to the existing network by providing redundancy. Proposed Howick Diversion consisting of a new pump stations and associated network upgrades in Aviemore and Millhouse Parks to provide for growth and mitigate severe overflows from the Howick interpetop, the Buckados Beach branch severe, Pakuranga pump station (PS2028) and local branch severs. Pukekohe upgrade stage 3 (PE plus 30,0000) This project will increase the capacity of the Pukekohe WWTP by about 30,000 PE. Replacement of six HV and six Us watchboards at Managere WWTP XXXX90 - Helensville WTP Capacity Upgrade - To add Production capacity to the Helensville township to enable develoy XXX71-1 DTROS Assamous side stream design and implementation. XXX21-1 DTROS Assamous side stream design and implementation. XXX21-1 DTROS Assamous side stream design and implementation propried to the propried to the propried to the propried t	50 - 100 Million 30 - 50 Million 100 - 250 Million 100 - 250 Million 10 - 20 Million 10 - 20 Million 10 - 20 Million 10 - 20 Million 23 - 10 Million 23 - 10 Million 33 - 50 Million 33 - 10 Million 33 - 10 Million 33 - 10 Million 33 - 10 Million 42 3 Million 35 - 10 Million 36 - 10 Million 36 - 10 Million 37 - 10 Million 37 - 10 Million 38 - 10 Million 38 - 10 Million 39 - 50 Million 30 - 50 Million	outside pane outside pane within panel