

AMP 2023-2033

Kia ora

Electra are proud to have served the local community providing electricity to homes and businesses in the Kāpiti and Horowhenua areas for the last 100 years. Our centenary year celebrations included hosting the Annual Connection for electricity distribution businesses (the first-time in the current format outside Hamilton and Christchurch).

The 2023-2033 asset management plan (AMP) focuses on growth, both within our region and increased electricity demand, improving our resilience and to improve our reliability (getting electricity to where it's needed, when it's needed).

Boston Consulting Group's (BCG) *Climate Change in New Zealand: The Future is Electric report (2022)* anticipates the New Zealand electricity sector will experience significant growth through increased electrification to support and meet the Government's net zero carbon goal by 2050. Electra's energy transformation roadmap brings forward some of our intended work to ensure we are ready for this change and the significant increases in consumption and peak demand forecast. Alongside this Electra recognises our leadership role in promoting sustainability and decarbonisation while integrating this into our asset lifecycles and operations.

The 2023 - 2033 AMP includes increases in capital expenditure to support growth, decarbonisation, quality of supply to consumers, and to ensure assets are replaced in a timely manner. Electra is investing to increase resilience of the network (robustness, resourcefulness, recovery, and redundancy). This resilience also includes preparation for major seismic or natural events through the strengthening of our zone substations and other buildings and participating in a range of preparedness exercises.

We are conscious of the impact the increase in capital expenditure will have on future prices for our customers, and ensuring over the long-term we provide network services that are reliable, sustainable, and affordable. I am confident Electra will safely deliver our asset management plan while preparing us for the exciting challenges of the future.

This document provides the key highlights from our 2023 AMP. The full document is available on our website. Questions and feedback are welcomed.

Ngā mihi



OUR PLANNED NETWORK INVESTMENT

CAPEX
\$214M

TOTAL CAPITAL EXPENDITURE
(AVERAGE \$21.4M p.a.)

OPEX
\$76M

TOTAL OPERATIONAL EXPENDITURE
(AVERAGE \$7.6M p.a.)



NETWORK BRIEFING

Neil Simmonds
Chief Executive

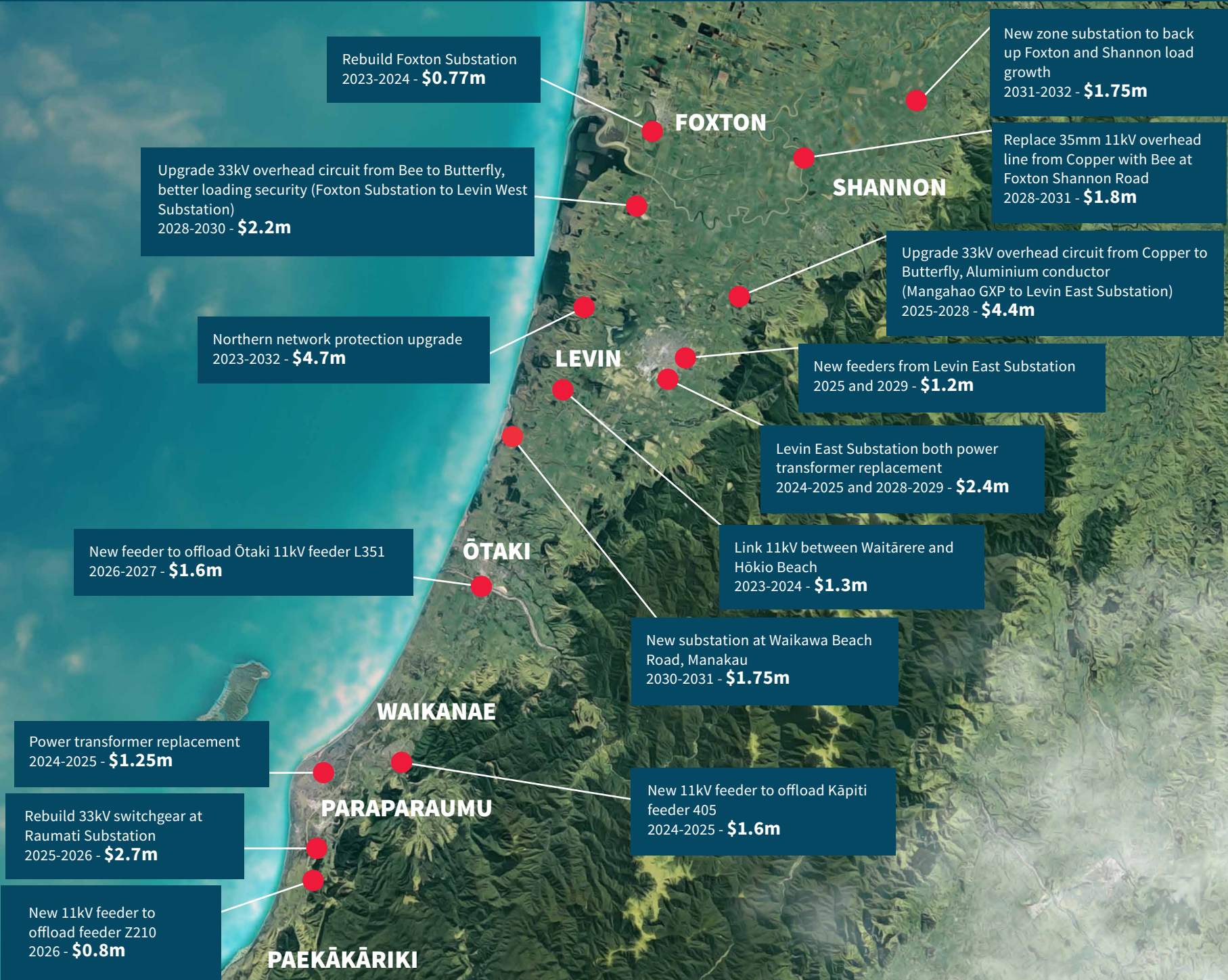
View full AMP online -
www.electra.co.nz/our-company/disclosures

An overview of the key aspects of
Electra's Asset Management Plan 2023-2033

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KEY NETWORK PROJECTS: 2023-2033



NETWORK PROJECTS

No.	Category	Work Description	Region
1	Growth	New Feeder out of Levin East substation	Levin East
2	Renewal	Rebuild Foxton zone substation bus	Foxton
3	Quality	Substation protection and communication work	Various
4	Growth	Upgrade the first run of cable for feeder E153, at Levin West substation.	Levin West
5	Renewal	Replace 33kV “rocket launcher” and “dog box” 33 kV circuit breakers at Levin East Substation	Levin East
6	Quality	Automate existing ground mounted switchgear for remote operation and sectionalisation	Various
7	Legislative	Seismic strengthening of zone substation building	Various
8	Quality	Northern Network protection and communication upgrades for zone sub protection	Northern network
9	Quality	Install pole-mounted sectionalisers on specified feeders to reduce number of customers affected by faults	Various

OUR FOCUS



Investments will be prioritised and quantified using enhanced evidence-based investment decision making.



Customer outages (SAIDI) and operating costs will be reduced through risk, performance and cost balancing.



Sustainability, climate change and renewables initiatives will be supported and enhanced.

OUR NETWORK

We own and operate the electricity network in the Kāpiti and Horowhenua regions, stretching from Foxton and Tokomaru in the north to Paekākāriki in the south.

We are one of 29 network companies in New Zealand. Our network of 2,330km in circuits supplies 45,757 consumers across an area of 1,628m², making us New Zealand’s 9th largest lines company in terms of connections to the network.



TOTAL NETWORK ASSET VALUATION
\$226.8 M



TOTAL ELECTRICITY DELIVERED
424 GWh



AVERAGE CONSUMPTION PER CUSTOMER
9,227 kWh



MAXIMUM DEMAND
111 MW



NETWORK AREA
1,628 km²



TRANSMISSION & DISTRIBUTION
2,354 km



TRANSFORMER CAPACITY
329 MVA

As at 31st March 2022

DEVELOPMENT FOR THE FUTURE

The 2023 AMP details how we prioritise, manage, maintain, and develop the network for reliability, resilience, and growth. During the next 12-months we have six major projects focussing on quality for resilience and fault reduction (\$2.9m), and three for network growth (\$2m).

DECARBONISATION

Preparing to support decarbonisation is a significant part of the AMP and to incorporate variable renewable distributed energy resources (DER) into the network, along with controllable load. There will be a significant increase in the budget required for this from 2027 onwards, taking into account expected population growth, electric vehicle uptake, and the electrification of existing gas systems.

RELIABILITY AND CUSTOMER FOCUS

Electra continues to perform well against both its industry peers, and the distribution industry overall featuring in the best performing quartile for cost per customer, OPEX, CAPEX and planned and unplanned outages.

The annual customer survey continues to show Electra provides very good customer services with 97% of those surveyed receiving excellent or very good service from the call centre and 99% from personnel (faults).