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1.1 PURPOSE

Electra owns and operates electrical distribution assets across the Horowhenua and Kāpiti districts on the land between the Tasman Sea and the Tararua Ranges, stretching from Foxton and Tokomaru in the north to Paekākāriki in the south.

The network covers an area of approximately 1,628 km² with a mix of underground and overhead infrastructure to urban and rural networks consisting of 21,609 poles, 2,380 km of cables and overhead lines and 2,655 transformers.

We are supplied by two grid exit points from the Transpower national grid: Valley Road, Paraparaumu in the south and Mangahao in the north.

Electra is wholly owned by its 46,333 consumers with shares in the company held on behalf of all consumers by the Electra Trust whose Trustees are elected to represent the owners' interests and protect their asset. As a 'consumer-owned' network company, Electra is exempt from the default/customised price-quality regulation under Part 4 of the Commerce Act 1986, however we comply with regulatory obligations set out in the Electricity Distribution Information Disclosure Determination 2012.

In March 2023 we published a full and comprehensive Asset Management Plan 2023-2033 (AMP).

This document is an Asset Management Plan Update (AMP Update) and is limited to providing details of the material changes to the previously published full AMP. It focuses on material changes to our forecasts, our asset management strategies, and network development plans.

This 2024 AMP Update relates to the planning period from 1 April 2024 to 31 March 2034.

1.2 INFORMATION DISCLOSURE REQUIREMENTS

Clause 2.6.3 in the Electricity Distribution Information Disclosure Determination 2012 requires Electra to complete and publicly disclose, before 1 April 2024, an AMP Update.

Clause 2.6.5 states the AMP Update must:

- Relate to the electricity distribution services supplied by the electricity distribution business (EDB).
- Identify any material changes to the network development plans disclosed in the last AMP (or AMP Update) per clause 11 and clause 17.5-17.7 of attachment A.
- Identify any material changes to the lifecycle asset management (maintenance and renewal) plans disclosed in the last AMP (or AMP Update) per clause 12 of attachment A.
- Provide the reasons for any material changes to the previous disclosures in the Report on Forecast Capital Expenditure set out in <u>Schedule 11a</u> and Report on Forecast Operational Expenditure set out in <u>Schedule 11b</u>.
- Identify any changes to the asset management practices of the EDB that would affect Schedule 13 Report on Asset Management Maturity disclosure.

In addition, Clause 2.6.6 requires each EDB to publicly disclose the following reports before the start of each disclosure year:

- The Report on Forecast Capital Expenditure in <u>Schedule 11a</u>.
- The Report on Forecast Operational Expenditure in <u>Schedule 11b</u>.
- The Report on Asset Condition in Schedule 12a.
- The Report on Forecast Capacity in <u>Schedule 12b</u>.
- The Report on Forecast Network Demand in Schedule 12c.
- The Report on Forecast Interruptions and Duration in <u>Schedule 12d</u>.

1.3 STRUCTURE

This AMP Update has been structured to meet our disclosure requirements. It discusses the changes we are experiencing in our operating environment and how these affect our forecasts and our planning. In this AMP Update we have not attempted to duplicate detailed explanations where these are already available in our last full AMP. We encourage readers to revert to our previous full AMP if a greater level of detail is required.

<u>Section 2</u> provides our update to the material changes in our current operating environment.

<u>Section 3</u> provides an update to the significant and key initiatives that form our asset management plan.

Section 4 provides commentary on the material changes from the network development plans in the previous AMP or AMP Addendum to our current plans.

<u>Section 5</u> identifies and explains material changes from the lifecycle asset management (maintenance and renewal) plans in the previous AMP.

<u>Section 6</u> provides an overview of aggregate forecast expenditure and outlines the changes that have materially affected forecasts. It also provides information on material changes to the schedules since our previous disclosure.

<u>Section 7</u> contains Schedules 11a – 12d, and 14a to meet our information disclosure requirements.

Section 8 contains the certification requirements for this disclosure.

1.3 STAKEHOLDER FEEDBACK

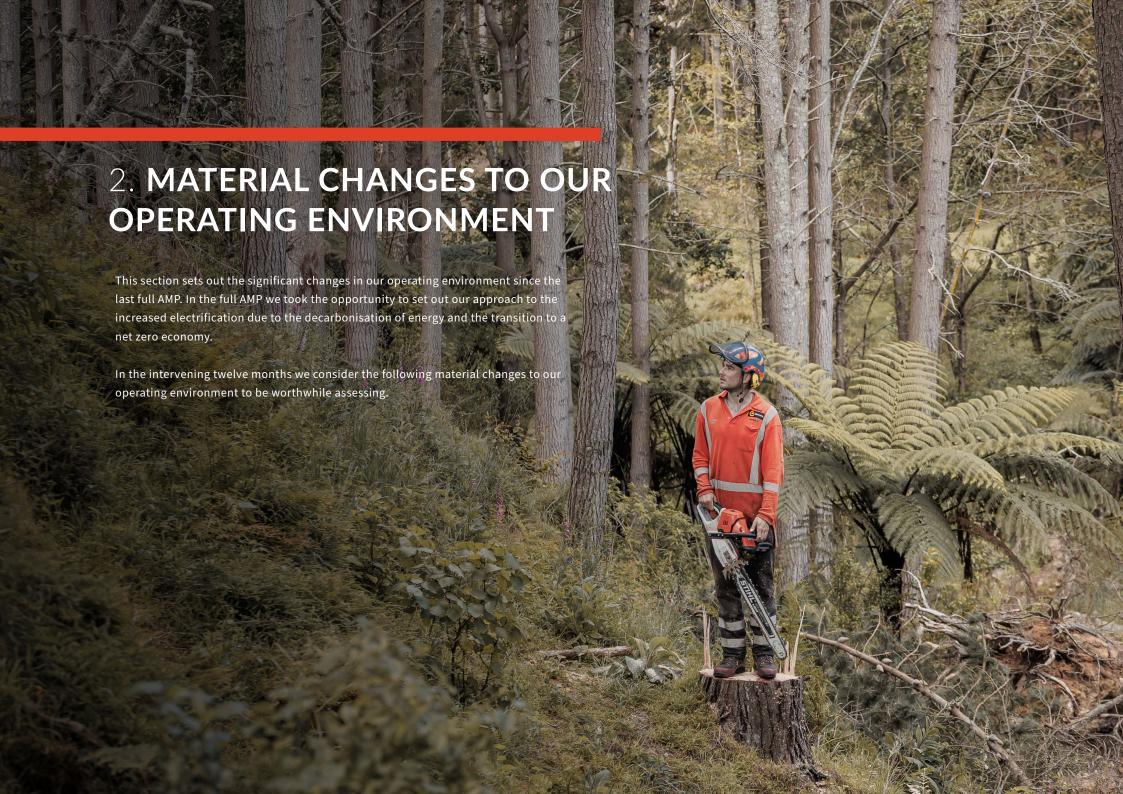
Electra encourages feedback to enable continued improvement in meeting the needs of its consumers and stakeholders.

Feedback should be addressed to:

Nick Carter

Network Planning and Development Manager Electra, PO Box 244, Levin.

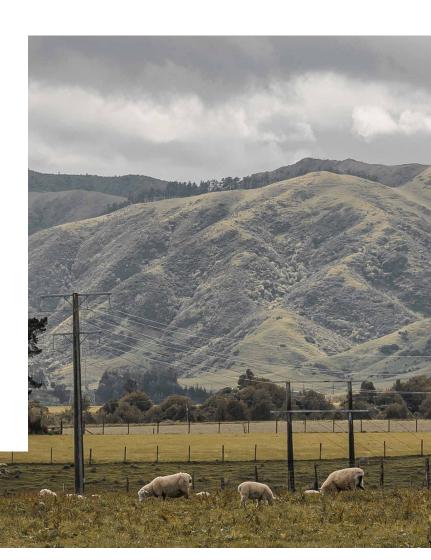
Email: nick.carter@electra.co.nz

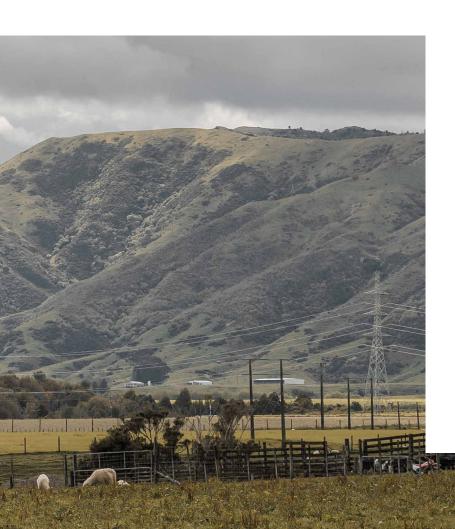


2.1 UNCERTAINTY

The general theme of uncertainty continues. This encompasses:

- Political risk and changes in policy specifically changing approaches towards decarbonisation, electrification of transport, industrial process heat conversion, energy markets, and regulation.
- The emerging flexibility market and changes in consumer behaviour including the effects of consumer herding, following retailers' pricing signals.
- The impact and opportunities of EVs, solar, battery storage, and heat pumps on EDBs continuing use of after diversity maximum demand (ADMD) for network planning purposes.
- Supply chain disruption including lack of availability of some products and lengthy delays in the supply of others. This also includes raw material price volatility.
- National and global economic factors including inflation, interest rates, capital costs, and the general economic outlook.





2.2 EMERGING AND DEVELOPING

There are other issues where the rate of change is significant, including:

- Resilience has come into increased focus following Cyclones Hale and Gabrielle.
- Climate change impacts including increasing wind speeds, precipitation, water table levels, and vegetation growth rates.
- Our regions continue to experience high levels of growth, particularly in the residential sector. This growth is likely to continue with the development of road¹ and rail² transport links within our regions.
- Consumer uptake of electric vehicles, solar, and domestic battery storage is accelerating along the adoption curve.
- Changing expectations of our consumers, developers, investors, and energy sector stakeholders in terms of the energy trilemma including resilience, reliability, connection times, connection costs, network hosting capacity, and data sharing to name a few.
- Data, data analysis, data science, and the role of artificial intelligence are evolving rapidly.
- Cybersecurity threats and threat actors continue to be a significant and increasing concern.
- Widespread energy industry recognition of the increased need to collaborate, partner, standardise, and share.

¹ https://www.nzta.govt.nz/projects/wellington-northern-corridor/otaki-to-north-of-levin

² https://www.beehive.govt.nz/release/government-green-lights-lower-north-island-rail



3.1 UNCERTAINTY

Policy and regulatory changes are not a new feature of our outlook, and we take the approach of horizon scanning, engaging with industry consultations where we see the need, and adopting a growth and adaptive mindset to these inevitable changes.

The emergence of a **flexibility market and changing consumer behaviour** is encouraging as there are many positives that can be gained from engaging, adopting, and ultimately procuring flexibility services for Electra. We invest time and effort across our business units to engage with the energy industry and we engage in trialling new technology, systems, standards, and processes.

The increasing adoption of EVs, solar, battery storage, and heat pumps causing challenges for network planning is not unique to Electra. We seek to balance the future security of supply, reliability, and cost of our network whilst enabling these changes to our energy systems. We engage nationally and internationally to ensure we continue to take a "least regrets" approach.

In the last few years **supply chain disruption** has become a new normal. We work closely with our supply chain partners, have increased stockholding where needed and continue to monitor the issue.

3.2 EMERGING AND DEVELOPING

We are committed to cost-effectively increasing our network **resilience**. We have commenced a programme of work focusing on reduction, readiness, response, and recovery following best industry practices. We are adapting our asset management and planning process to account for increasing risk due to climate change. In the next full AMP we will set out in detail our development and our resilience management maturity assessment tool results.

We are reassessing and making changes to our engineering standards to ensure our network design and construction will be fit for the anticipated **climate change impacts** including increasing wind speeds, precipitation, and changes to water table levels.

We are increasing our capabilities and continually refining our planning and processes to keep our **vegetation management** in step with the growth rates we see locally.

We have increased our engagement across all stakeholder groups, so we are best placed to understand **regional growth**. We are developing our processes, systems, and skills to ensure we provide consistent outcomes for both high-volume low-capacity connections and the low-volume high-capacity connections. We continue to refine our load forecasting and capacity management and use a single source of forecasting across all our business units for consistency.

Refining our load forecasting encompasses closely and regularly monitoring the uptake of electric vehicles, solar and battery storage, domestic and industrial process heat conversion. Included in this refinement we have been working with specialist consultants to better understand the potential and timing of process heat conversion and heavy vehicle fleet transition. This enables us to be sensitive to changes in uptake, plan our least regrets response yet remaining flexible and adaptive in our approach.

We continue to adapt to **changing expectations.** We have reviewed our connections processes including our capital contributions policy and will be making positive changes soon. Work towards publishing our demand and generation hosting capacity across different voltages and assets is underway. We

are increasing our cross-sector engagement so our plans and delivery remain in line with the expectations of our stakeholders.

Data, analysis, and artificial intelligence is an increasing focus for us as it underpins our ability to maintain our network performance, asset management and the ability to enable these changes to our energy systems. Principally, we take a fast-follower approach and target our investments to emerging network and consumer needs.

We are deeply committed to ensuring we have robust **cybersecurity.** Our advanced threat detection, overseen by a specialised security operations centre, ensures vigilant monitoring. We actively participate in key industry forums and undergo frequent external cybersecurity audits, enhancing our defensive posture. Regular email threat exercises, such as spoofing, keep our team alert, while network segmentation and strict least privilege policies mitigate cross-network risks. Importantly, we conduct regular business continuity exercises, preparing us to effectively respond to significant events, including cyber incidents. This integrated approach showcases our dedication to safeguarding our network and community.

3.3 FURTHER DEVELOPMENTS

In the last full AMP we committed to commencing an in-depth study into the architecture of our northern network currently supplied by Transpower at the Mangahao grid exit point (GXP). These studies are progressing, and we are engaged with Transpower and other stakeholders seeking the most cost-effective solution.

Whilst the pace of new small-scale generation connections continues unabated, we are also pleased to advise a large-scale solar farm with a connection capacity of 29.9 MVA is progressing with connection into our Foxton zone substation due around September 2024. Once fully operational and combined with output from the existing hydro-generator at Mangahao, we will see the energy flows at Mangahao

GXP exporting into the national grid during a significant proportion of daylight trading periods.

With a wide-ranging portfolio of assets, some of which have been in-service for over 50 years, asset data is a challenge for all electricity distribution businesses. We recognise reliable, accurate asset data is a key ingredient to success for many aspects of our business and those of our stakeholders and consumers. We have renewed our focus and commitment to improving our asset data and have implemented a data improvement strategy.

Our **sustainability** journey continues and we are growing in maturity in this space. We are focusing our efforts both within Electra and within our regions whilst seeking to build partnerships and collaborate at a national level.

Within Electra we are measuring our greenhouse gas emissions and implementing initiatives to decrease our emissions. We have also implemented a more circular economy approach towards our assets and waste.

On a regional scale we are working with specialist consultants to identify fossil fuel users within our network footprint. Understanding their electrification requirements and timings allows us to better enable their transition plans.

Across all the issues presented above, we absolutely recognise the need for and benefits of **industry collaboration**. We have increased our industry sector engagement, invest in suitable innovative pilot projects, and share our learnings freely.

Our AMP has a financial impact on our consumers and we are continuously mindful to balance the needs of the network with consumers' willingness, and ability, to pay. Understanding the needs of our consumers will come into even sharper focus in the next AMP.



4.1 MATERIAL CHANGES TO THE NETWORK DEVELOPMENT PLAN

We continue to review and continuously seek improvements to our network development plans, ensuring we are targeting our investments effectively and efficiently.

Cost increases and longer lead times in equipment are having an impact on project delivery and we have made provision in this AMP Update for these changes.

The material changes to the network development are detailed below and follow two themes:

- Re-scoping, costing, and timing of some network development projects.
- Addition of a number of significant customer-initiated projects that have now progressed sufficiently for inclusion in our network development plans.

There have been no material changes to our approach that would affect our AMP addendum (published in June 2023 in accordance with clauses 17.5-17.7 of Attachment A).



PROJECT DESCRIPTION	YEAR	CHANGE(\$M)	REASONS FOR CHANGE
New 11kV feeder from Levin East zone substation.	FY24 – FY25 Deferral	No change	Pre-construction investigations highlighted challenges with the proposed cable route. Whilst an alternate route is being considered, there is an efficiency opportunity to align project delivery with the replacement of the 11kV switchboard at Levin East zone substation.
11kV link between Hokio Beach to Waitārere Beach.	FY25 Removed	-\$0.5	Regrettably we have been unsuccessful in securing a line/cable route between Hokio Beach and Waitārere Beach. A potential route to increase reliability and security of supply to Waitārere Beach is under further investigation, see below.
11kV link between Waitārere Beach and Foxton at Oturoa Road.	FY25 – FY26 Repurposed	+\$1.1	A potential line/cable route has been identified and we are working towards securing land rights, preparing designs, and construction. The project is required to improve the security of supply and reliability to the growing Waitārere Beach area.
New 11kV feeder from Paraparaumu West zone substation.	FY25 – FY26 Deferral	No change	The project to install a new 11kV feeder to meet growing demand and new connections in Paraparaumu Beach is being deferred from FY25 to FY26 as changes in cable route and design are required. Partial mitigation of security of supply issues has been met though the installation of automation which has enabled this deferral.
New 11kV feeder from Waikanae zone substation westwards towards Waikanae Beach.	FY25 – FY26 New	+\$4.0	Sizable connections projects in Waikanae and Waikanae Beach have triggered the need for a new 11kV feeder to be built to Waikanae Beach from the existing Waikanae zone substation. In addition to meeting the connection's needs, the project will increase security o supply in the growing Waikanae Beach area and meet forecast future demand requirements.
New mini zone substation between Levin and Foxton ("Levin North").	FY25 – FY27 New	+\$3.6	A significant increase in capacity of an existing customer connection has triggered the requirement for a new mini zone substation between Foxton and Levin. The project will also provide additional capacity along this corridor, alleviate emerging constraints on existing 11kV feeders, increase security of supply, and provide headroom locally to meet future demand.
New mini zone substation between Waikanae and Peka Peka ("Waikanae North").	FY25 – FY27 New	+\$4.4	The expansion and development of Waikanae also continues northwards towards Peka Peka and beyond. Existing 11kV feeders from Waikanae and Ōtaki are at, or approaching, planning limits. With the number and scale of customer developments in this region we have chosen to develop a new mini zone substation north of Waikanae. The new substation will alleviate constraints on some of the existing 11kV feeders at Waikanae and Ōtaki in addition to meeting the new capacity demands of the local developments. The investment will also significantly defer or alleviate the need to increase power transformer capacity at Waikanae zone substation.
Decarbonisation impact.	FY27 – FY28 Decrease	-\$5.8	The above increases in spend in FY27 and FY28 are partially offset through use of the allocation for decarbonisation impact transferring from a budget to spend against specific projects.

Table 1 Material changes to network development plan



5.1 MATERIAL CHANGES TO LIFECYCLE ASSET MANAGEMENT PLANS

There are no material changes to our lifecycle asset management plans.

While a number of factors (internal and external) continue to influence our lifecycle asset management practices, none of these factors have resulted in us making a change that represents a significant change to our lifecycle management plan.

Our lifecycle asset management plans are affected, as are all areas of our business, with the issues of cost increases and supply chain lead-times.

To mitigate these issues, we have undertaken a review of our planned work, and where justified we have considered either deferring, rescoping or seeking alternatives often involving the use of newer technology.

Focus in this area has also sought to target reliability and resilience. We have adopted changes to our processes and systems allowing us to make better informed choices seeking to mitigate the risks of climate change and vehicle impacts on our asset replacements and existing assets.

<u>Table 2</u> sets out the key changes to our lifecycle asset management plans.

5.2 MATERIAL CHANGES TO ASSET MANAGEMENT PRACTICES

There have been no material changes to our asset management practices and ongoing improvement plans underpinning our previous AMP which would affect Schedule 13 Report on Asset Management Maturity.

As outlined in <u>Section 3</u> "('Our Next Asset Management Plan')" we are working on several initiatives to improve our asset management processes and systems. These will be discussed in detail in our next full AMP in 2025.

Table 2 Material changes to asset management practices

PROJECT DESCRIPTION	YEAR	CHANGE(\$M)	REASONS FOR CHANGE
Replacement of the outdoor 33kV bus and circuit breakers at Foxton zone substation to a modular ground-mounted arrangement.	FY25 – FY26 Deferral	+\$0.9	This has been deferred from FY24 to FY25-26 due to procurement lead times, and the need to undertake a thorough acceptance process for the new equipment. The pricing has been reviewed and re-costed.
Replacement of the 11kV switchboard and circuit breakers at Levin East zone substation.	FY25 – FY26 New	+\$1.5	This work has been brought forward from beyond the AMP horizon to FY25-26. The existing switchboard is nearing the end of serviceable life expectancy, and we have a requirement to extend the board to accommodate three new 11kV feeders. After running a cost benefit analysis, the cost-effective investment option has been selected which has additional benefits of increasing operational safety, network security, and reducing maintenance costs.
Replacement of defective 11kV air break switches (ABS).	FY25 – FY30 New	+\$1.7	Established a new programme to remove 90 ABSs identified with a known type-failure mechanism for safety and reliability purposes.
Replacement of T1 power transformer at Levin East zone substation.	FY27 Brought forward	No change	Replacement brought forward from FY30 to FY27 to enable cost-efficiency savings with other power transformer replacements (Levin East T1) and relocations (Levin East T2 to Paekākāriki).
Relocation of the ex-Levin East T2 transformer to Paekākāriki zone substation.	FY27 New	-\$0.3	Replacement of the Paekākāriki power transformer was planned for FY30-31. However, an alternative to this is now planned for FY27 where the ex-Levin T2 unit will be refurbished and relocated to Paekākāriki. This will bring forward the replacement of the oldest power transformer in our current fleet increasing reliability yet also reducing costs.
Replacement of the outdoor 33kV bus and circuit breakers at Raumati zone substation to modular ground-mounted arrangement.	FY27 – FY28 Deferral	-\$1.0	This asset replacement has been deferred from FY25-26 to FY27-28 to allow for equipment and procurement and align with the works programme. The pricing has been reviewed and re-costed with efficiency savings forecast due to the equipment selection and design. Maintenance and test results support deferment with a mitigation plan in place.
Replacement of T1 and T2 power transformers at Paraparaumu East zone substation.	FY30 – FY32 Deferral	+\$2.0	Replacement of T1 has been deferred from FY26 to FY31. Replacement of T2 was beyond the AMP horizon and has been brought forward to FY32. Both transformers are the same age and condition. Cost efficiencies can be realised through replacing these assets together.
Protection systems renewals and upgrades across all zone substations.	All Increase	+\$2.8	A review of the programme of protection works required a re-scoping and re-costing particularly of the sub-transmission line differential projects. These projects are essential to increase reliability and safety to eliminate mutual coupling and blind-spot issues. Costs have increased in FY25-27 and have also been revised upwards in the later years of the AMP horizon.
400V overhead conductor renewal programme.	All Increase	+\$7.7	Replacement of low voltage overhead conductors have been re-scoped and re-costed across the whole AMP horizon with cost increases reflected in the renewal programme.



6.1 REPORT ON FORECAST CAPITAL EXPENDITURE IN SCHEDULE 11A

Changes to the capital expenditure profile are largely attributed to:

- Adjustment to the timing and costs of some major network projects.
- Inclusion of some significant customer-initiated projects.
- Adopting a policy of leasing rather than purchasing fleet vehicles has reduced CAPEX and increased OPEX.

Focusing on the first three years, the material changes in forecast spend can be attributed as follows.

In FY25 change is due to:

- Deferral of the replacement of SCADA/ADMS from FY25 into FY26 and FY27 as
 we undertake a robust selection process and aim to ensure alignment with the
 emerging requirements of flexibility management systems.
- Deferral of the 33kV circuit breaker replacements at Foxton zone substation from FY24 into FY25 and FY26. The deferral is a combination of network acceptances of new equipment and the accompanying changes to design requirements together with increased lead times. Risks remain within acceptable limits through mitigation plans.
- Inclusion of a new customer initiated 11kV feeder in Waikanae and a 33/11kV substation north of Waikanae.
- Deferral of new 11kV feeder from Levin East from FY24 to FY25 to align with the 11kV switchboard replacement, see below.
- Replacement of the 11kV Levin East zone substation switchboard being brought forward.
- Deferral of a new 11kV feeder from Paraparaumu West from FY25 to FY26. The installation of the automation scheme in FY22 has allowed this project deferral.
- · Cost increases in asset replacement and renewal programmes relating to

- overhead conductor renewals, protection, communications, safety, and resilience initiatives.
- Deferral of costs relating to the Levin depot replacement from FY25 to FY27.
- Decrease relating to changes to the heavy vehicle fleet replacement policy from purchasing (CAPEX) to leasing (OPEX).

In FY26 change is due to:

- Deferral of the replacement of SCADA/ADMS from FY25 into FY26 and FY27.
- Deferral of a new 11kV feeder from Paraparaumu West from FY25 to FY26.
- Continuation of the deferred 33kV circuit breaker replacements at Foxton zone substation from FY24 into FY25 and FY26.
- Continuation of the customer initiated 11kV feeder in Waikanae.
- Continuation of the customer initiated 33/11kV substation north of Waikanae.
- Inclusion of a new customer initiated 33/11kV substation between Levin and Foxton.
- An increase in asset replacement and renewal programmes.

In FY27 change is due to:

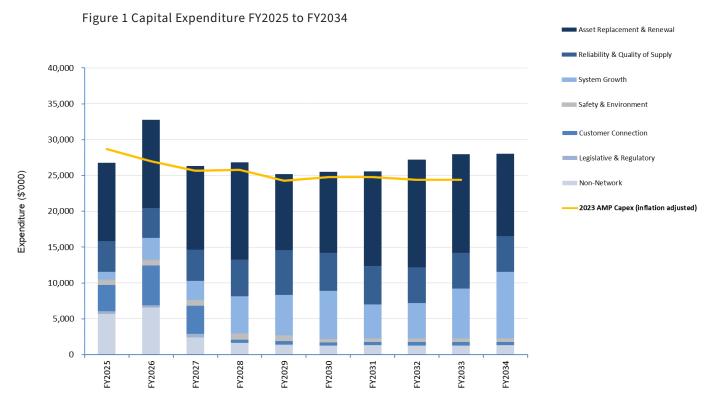
- Deferral of the replacement of SCADA/ADMS from FY25 into FY26 and FY27.
- Continuation of the customer initiated 33/11kV substations between Levin and Foxton and North of Waikanae.
- Relocation of the Paekākāriki 33/11kV power transformer.
- An increase in asset replacement and renewal programmes.
- Deferral of costs associated with replacement of the depot in the northern region from FY25 to FY27.
- Reduction of the decarbonisation impact budget reflecting the re-allocation against specific projects.

6.2 INFLATION ADJUSTMENTS

All values are in 31 March 2024 nominal dollars. Values from the previous AMP and schedules have been adjusted by 4.5% in line with the RBNZ Monetary Policy Statement of August 2023 for CPI inflation.

6.3 DECARBONISATION

In our last full AMP we sought to demonstrate the forecast impact of decarbonisation on our capital expenditure. How these impacts actually manifest will be spread across the existing drivers of asset replacement and renewal, system growth, and reliability and quality of supply. In this update and <u>Schedule</u>
Schedule
11a we have removed specific reference to decarbonisation and allocated expenditure against the existing drivers.



CAPITAL EXPENDITURE (CURRENT \$'000)	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	FY2034
Asset Replacement & Renewal	10,911	12,362	12,362	13,571	10,625	11,302	13,197	14,978	13,725	11,463
Reliability & Quality of Supply	4,343	4,155	4,349	5,153	6,234	5,337	5,327	5,022	5,024	4,993
System Growth	1,066	3,029	2,627	5,157	5,582	6,667	4,747	4,942	6,943	9,300
Relocation	0	0	0	0	0	0	0	0	0	0
Safety & Environment	739	838	828	870	870	499	499	499	499	499
Customer Connection	3,680	5,546	3,947	463	463	463	463	463	463	463
Legislative & Regulatory	391	311	489	0	0	0	0	0	0	0
Total Network (CAPEX)	21,130	26,241	24,526	25,214	23,774	24,268	24,234	25,905	26,655	26,718
Non-Network	5,650	6,549	2,398	1,635	1,400	1,255	1,315	1,280	1,280	1,290
Total Network & Non-Network (CAPEX)	26,780	32,790	26,924	26,849	25,174	25,523	25,549	27,185	27,935	28,008

6.4 REPORT ON FORECAST OPERATIONAL EXPENDITURE IN SCHEDULE 11B

The forecast operational expenditure is largely unchanged.

The minor changes to the operational expenditure profile are mainly attributed to small increases in:

- The routine and preventative maintenance budgets specifically on a new safety initiative and accelerating the lightning arrester retrofitting programme.
- A small increase in the fault and emergency maintenance, and vegetation budgets partly offset by a reduction in the decarbonisation impact budget.
- Adopting a policy of leasing rather than purchasing fleet vehicles has reduced CAPEX and increased OPEX.

6.5 REPORT ON ASSET CONDITION IN SCHEDULE 12A

There have been no material changes to the approach for completing <u>Schedule 12a</u> since the last full AMP in 2023.

6.6 REPORT ON FORECAST CAPACITY IN SCHEDULE 12B

There have been no material changes to the approach for completing <u>Schedule 12b</u> since the last full AMP in 2023.

6.7 REPORT ON FORECAST NETWORK DEMAND IN SCHEDULE 12C

There have been no material changes to the approach for completing <u>Schedule 12c</u> since the last full AMP in 2023.

6.8 REPORT ON FORECAST INTERRUPTIONS AND DURATION IN SCHEDULE 12D

There have been no material changes to the approach for completing <u>Schedule 12d</u> since the last full AMP in 2023.

6.9 REPORT ON ASSET MANAGEMENT MATURITY DISCLOSURE IN SCHEDULE 13

There have been no material changes to the approach for completing Schedule 13 since the last full AMP in 2023.



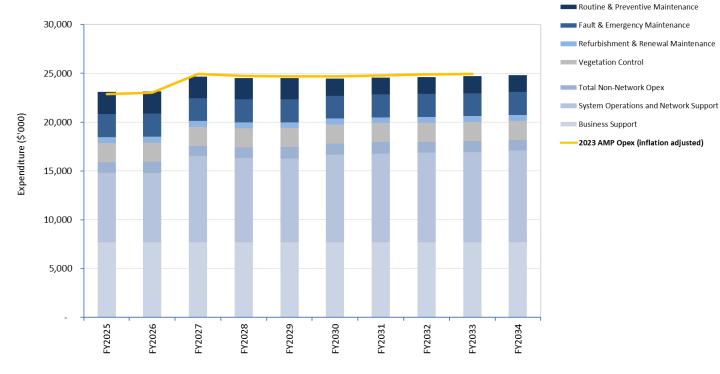
6.10 INFLATION ADJUSTMENTS

All values are in 31 March 2024 nominal dollars. Values from the previous AMP and schedules have been adjusted by 4.5% in line with the RBNZ Monetary Policy Statement of August 2023 for CPI inflation.

6.11 DECARBONISATION

In our last full AMP we sought to demonstrate the forecast impact of decarbonisation on our operational expenditure. How these impacts actually manifest will be spread across a number of existing drivers but predominantly against systems operations and network support. So, in this update and Schedule 11b we have removed specific reference to decarbonisation and allocated expenditure against the existing drivers.

Figure 2 Operational Expenditure FY2025 to FY2034



OPERATIONS & MAINTENANCE (CURRENT \$'000)	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	FY2034
Routine & Preventive Maintenance	2,296	2,296	2,192	2,192	2,147	1,732	1,732	1,732	1,732	1,739
Fault & Emergency Maintenance	2,353	2,353	2,353	2,353	2,353	2,353	2,353	2,353	2,353	2,353
Refurbishment & Renewal Maintenance	591	591	591	591	591	591	591	591	591	591
Vegetation Control	1,964	1,964	1,964	1,964	1,964	1,964	1,964	1,964	1,964	1,964
Total Network (OPEX)	7,203	7,203	7,099	7,099	7,054	6,640	6,640	6,640	6,640	6,646
System Operations and Network Support	7,115	7,115	8,708	8,612	8,631	9,197	9,282	9,368	9,453	9,565
Business Support	7,711	7,711	7,711	7,711	7,711	7,711	7,711	7,711	7,711	7,711
Total Network & Non-Network (OPEX)	22,029	22,029	23,517	23,421	23,396	23,547	23,633	23,718	23,803	23,922



7.1 FORECAST CAPITAL EXPENDITURE (SCHEDULE 11A)

									Company Name Planning Period		lectra Limited 2024 – 31 March 2	2034
SCI	HEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE							AMP	Planning Perioa	I April 2	.024 – 31 March 2	2034
This : comi EDBs discle	schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and a 10 ye missioned assets (i.e., the value of RAB additions) must provide explanatory comment on the difference between constant price and nominal dollar forecasts osed in Schedule 15 (Voluntary Explanatory Notes). information is not part of audited disclosure information.											
7 8		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
9	11a(i): Expenditure on Assets Forecast	\$000 (in nominal dolla	ars)									
10	Consumer connection	443	3,765	5,787	4,201	503	513	523	534	544	555	566
11	System growth	2,410	1,090	3,161	2,796	5,598	6,181	7,530	5,468	5,807	8,322	11,370
12	Asset replacement and renewal	9,992	11,162	12,900	13,077	14,733	11,766	12,766	15,204	17,601	16,451	14,014
13 14	Asset relocations Reliability, safety and environment:		-	-	-	-	-	-	-	-	-	-
15	Quality of supply	4,124	4,443	4,336	4,629	5,594	6,903	6,028	6,137	5,902	6,022	6,105
16	Legislative and regulatory	559	400	324	520	-	-	-	-	-	-	-
17	Other reliability, safety and environment	755	756	874	881	944	963	564	575	587	598	610
18	Total reliability, safety and environment	5,437	5,599	5,534	6,031	6,539	7,866	6,592	6,713	6,489	6,620	6,715
19 20	Expenditure on network assets Expenditure on non-network assets	18,282 6,720	21,616 5,780	27,381 6,834	26,104	27,373 1,775	26,325 1.550	27,410 1,417	27,919 1.515	30,441 1,504	31,949 1,534	32,665 1,577
21	Expenditure on assets	25,002	27,396	34,215	28,656	29,148	27,876	28,828	29,434	31,945	33,483	34,242
22	Experience on assets	25,002	27,550	51,225	20,050	23,210	27,070	20,020	25,151	32,543	33,103	51,212
23	plus Cost of financing	-	-	-	-	-	-	-	-	-	-	-
24	less Value of capital contributions	1,080	1,675	2,568	1,973	1,080	1,080	1,080	1,080	1,080	1,080	1,080
25	plus Value of vested assets	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200
26 27	Capital expenditure forecast	25,122	26,921	32,848	27,884	29,268	27,996	28,948	29,554	32,065	33,603	34,362
28 29	Assets commissioned	28,423	16,838	34,233	32,004	27,293	25,174	24,863	24,295	28,599	25,121	31,322
				- ,,	/	,			,			,
30 31		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
32		\$000 (in constant pric										
33	Consumer connection	443	3,680 1,066	5,546	3,947	463	463	463 6,667	463 4,747	463 4,942	463	463
34 35	System growth Asset replacement and renewal	2,410 9,992	1,066	3,029 12,362	2,627 12,287	5,157 13,571	5,582 10,625	11,302	13,197	14,978	6,943 13,725	9,300 11,463
36	Asset relocations	-	-	-	-	-	-	-		-	-	-
37	Reliability, safety and environment:											
38	Quality of supply	4,124	4,343	4,155	4,349	5,153	6,234	5,337	5,327	5,022	5,024	4,993
39 40	Legislative and regulatory	559	391	311	489 828	-	-	499	499	499	499	499
41	Other reliability, safety and environment Total reliability, safety and environment	755 5,437	739 5,473	5,304	5,666	6,023	7,104	5,836	5,827	5,522	5,523	5,492
42	Expenditure on network assets	18,282	21,130	26,241	24,526	25,214	23,774	24,268	24,234	25,905	26,655	26,718
43	Expenditure on non-network assets	6,720	5,650	6,549	2,398	1,635	1,400	1,255	1,315	1,280	1,280	1,290
44	Expenditure on assets	25,002	26,780	32,790	26,924	26,849	25,174	25,523	25,549	27,185	27,935	28,008
45 46	Subcomponents of expenditure on assets (where known) *EDBs' must disclose both a public version of this Schedule (excluding cybersecurity cost data) ar	nd a confidential version	of this Schedule (incl	udina cyhersecurity c	astsl							
47	Energy efficiency and demand side management, reduction of energy losses		-,o ocheane (men									
48	Overhead to underground conversion											
49	Research and development											
51												

Company Name Electra Limited

AMP Planning Period 1 April 2024 – 31 March 2034

SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE

This schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and a 10 year planning period. The forecast should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both constant price and nominal dollar terms. Also required is a forecast of the value of commissioned assets (i.e., the value of RAB additions)

EDBs must provide explanatory comment on the difference between constant price and nominal dollar forecasts of expenditure on assets in Schedule 14a (Mandatory Explanatory Notes). EDBs must express the information in this schedule (11a) as a specific value rather than ranges. Any supporting information about these values may be disclosed in Schedule 15 (Voluntary Explanatory Notes).

System growth less capital contributions

ormation is not part of audited disclosure information.											
	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+
Difference between nominal and constant price forecasts	\$000										
Consumer connection	-	85	241	254	40	50	60	70	81	92	
System growth	-	25	132	169	441	599	863	722	865	1,379	
Asset replacement and renewal	-	251	537	790	1,162	1,140	1,463	2,007	2,623	2,726	
Asset relocations	-		-	-	-	-	-	-		-	
Reliability, safety and environment:											
Quality of supply	-	100	181	280	441	669	691	810	879	998	
Legislative and regulatory	-	9	14	31	-	-			-	-	
Other reliability, safety and environment	-	17	36	53	74	93	65	76	87	99	
Total reliability, safety and environment	-	126	231	364	516	762	756	886	967	1,097	
Expenditure on network assets	-	486	1,140	1,578	2,159	2,552	3,142	3,685	4,536	5,294	
Expenditure on non-network assets	-	130	285	154	140	150	162	200	224	254	
Expenditure on assets	-	616	1.425	1,732	2,299	2,702	3,305	3,885	4,760	5,548	
Commentary on options and considerations made in the assessmen EDBs may provide explanatory comment on the options they have considered		ng forecast expenditure	e on assets for the cur CY+2	rent disclosure year o	and a 10 year plann CY+4	ing period in Schedul CY+5	e 15				
EDBs may provide explanatory comment on the options they have considered to the options of the provider of the options of the	red (including scenarios used) in assessin						le 15				
EDBs may provide explanatory comment on the options they have considered to the options of the provider of the options of the	red (including scenarios used) in assessin Current Year CY \$000 (in constant pric	CY+1	CY+2	CY+3	CY+4	CY+5	le 15				
EDBs may provide explanatory comment on the options they have considered the consumer Connection Consumer types defined by EDB* All	red (including scenarios used) in assessin Current Year CY	CY+1					'e 15				
EDBs may provide explanatory comment on the options they have considered at the options they have considered at the options they have considered at the options that they are the are they are the are they are the are they are they are they are they are they are they are the are they are the are the are they are the are the are they are they are the	red (including scenarios used) in assessin Current Year CY \$000 (in constant pric	CY+1	CY+2	CY+3	CY+4	CY+5	'e 15				
### LEDBs may provide explanatory comment on the options they have considered at the options of the options they have considered at the options of the optio	red (including scenarios used) in assessin Current Year CY \$000 (in constant pric	CY+1	CY+2	CY+3	CY+4	CY+5	e 15				
EDBs may provide explanatory comment on the options they have considered as a consumer types defined by EDB* All [EDB consumer type] [EDB consumer type] [EDB consumer type]	red (including scenarios used) in assessin Current Year CY \$000 (in constant pric	CY+1	CY+2	CY+3	CY+4	CY+5	e 15				
EDBs may provide explanatory comment on the options they have considered at the consumer types defined by EDB* All [EDB consumer type] [EDB consumer type] [EDB consumer type] [EDB consumer type]	red (including scenarios used) in assessin Current Year CY \$000 (in constant pric	CY+1	CY+2	CY+3	CY+4	CY+5	e 15				
### LEDBs may provide explanatory comment on the options they have considered as a consumer types defined by EDB* All [EDB consumer type]	current Year CY \$000 (in constant pric	CY+1 ces) 3,680	CY+2 5,546	CY+3	CY+4 463	CY+5 463	e 15				
### LEDBs may provide explanatory comment on the options they have considered and the options they have considered and the options they have considered and the options they have consumer types defined by EDB* All	red (including scenarios used) in assessin Current Year CY \$000 (in constant pric	CV+1 ::es) 3,680 3,680	CY+2 5,546 5,546	3,947 3,947	CY+4	CY+5	le 15				
### LEDBs may provide explanatory comment on the options they have considered a consumer types defined by EDB* All	Current Year CY \$000 (in constant pric	CY+1 3,680 3,680 595	5,546 5,546 1,488	3,947 3,947 893	CY+4 463 463	463 463	e 15				
EDBs may provide explanatory comment on the options they have considered and the options they have considered and the options they have considered and the options they have consumer types defined by EDB* All IEDB consumer type IEDB consumer	current Year CY \$000 (in constant pric	CV+1 ::es) 3,680 3,680	CY+2 5,546 5,546	3,947 3,947	CY+4 463	CY+5 463	e 15				
### Line Page ### Line ### Line Page ### Line ### Line Page ### Line #	Current Year CY \$000 (in constant pric	CY+1 3,680 3,680 595 3,085	5,546 5,546 1,488 4,058	3,947 3,947 893	463 463 463	463 463 463	e 15				
EDBs may provide explanatory comment on the options they have considered and the options they have considered and the options they have considered and the options they have consumer types defined by EDB* All [EDB consumer type] *include additional rows if needed Consumer connection expenditure less Capital contributions funding consumer connection Consumer connection less capital contributions	Current Year CY \$000 (in constant pric	CY+1 3,680 3,680 595	5,546 5,546 1,488	3,947 3,947 893	CY+4 463 463	463 463	e 15				
### Tight Tops Tops ### Tight Tops Tops ### Tight Tops Tops ### Tight ### Tight Tops ### Tight ### Tight	Current Year CY \$000 (in constant pric	CY+1 3,680 3,680 595 3,085	5,546 5,546 1,488 4,058	3,947 3,947 893	463 463 463	463 463 463	le 15				
### Time	Current Year CY \$000 (in constant pric	CY+1 3,680 3,680 595 3,085	5,546 5,546 1,488 4,058	3,947 3,947 893	463 463 463	463 463 463	le 15				
EDBs may provide explanatory comment on the options they have considered and the options of the options o	Current Year CY \$000 (in constant pric	CY+1 3,680 3,680 595 3,085	5,546 5,546 1,488 4,058	3,947 3,947 893	463 463 463	463 463 463	e 15				
11a(ii): Consumer Connection Consumer types defined by EDB* All [EDB consumer type] *include additional rows if needed Consumer connection expenditure less Capital contributions funding consumer connection Consumer connection less capital contributions 11a(iii): System Growth Subtransmission Zone substations Distribution and LV lines	Current Year CY S000 (in constant pric 443 443 443	CY+1 3,680 3,680 595 3,085	5,546 5,546 1,488 4,058	3,947 3,947 3,947 893 3,054	463 463 463	463 463 463 984	e 15				
### Time Provide explanatory comment on the options they have considered from the options they have considered from the options they have considered from the options of th	Current Year CY S000 (in constant pric 443 443 443	CY+1 3,680 3,680 595 3,085	5,546 5,546 1,488 4,058	3,947 3,947 3,947 893 3,054	463 463 463	463 463 463 984	e 15				
### Title	Current Year CY S000 (in constant pric 443 443 443	CY+1 3,680 3,680 595 3,085	5,546 5,546 1,488 4,058	3,947 3,947 3,947 893 3,054	463 463 463	463 463 463 984	e 15				
### Topic	Current Year CY S000 (in constant pric 443 443 443	CY+1 3,680 3,680 595 3,085	5,546 5,546 1,488 4,058	3,947 3,947 3,947 893 3,054	463 463 463	463 463 463 984	le 15				

3,029

2,627

5,157

5,582

2,410

1,066

Company Name Electra Limited

AMP Planning Period 1 April 2024 – 31 March 2034

SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE

This schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and a 10 year planning period. The forecast should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both constant price and nominal dollar terms. Also required is a forecast of the value of commissioned assets (i.e., the value of RAB additions)

EDBs must provide explanatory comment on the difference between constant price and nominal dollar forecasts of expenditure on assets in Schedule 14a (Mandatory Explanatory Notes). EDBs must express the information in this schedule (11a) as a specific value rather than ranges. Any supporting information about these values may be disclosed in Schedule 15 (Voluntary Explanatory Notes).

This information is not part of audited disclosure information.

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أ								
96			Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
97								
	11-/-	Accet Boulessmant and Boussel						
98		Asset Replacement and Renewal	\$000 (in constant pr					
99		Subtransmission	654	778	1,959	1,959	2,304	683
00		Zone substations	2,765	2,800 4,437	3,037 5,027	2,759	1,724	156
101		Distribution and LV lines Distribution and LV cables	3,950	945	643	5,027 847	6,063 1,484	6,126 1,664
103		Distribution substations and transformers	927	824	824	824	969	969
04		Distribution switchgear	177	211	211	211	248	248
105		Other network assets	731	917	662	662	779	779
106		set replacement and renewal expenditure	9,992	10,911	12,362	12,287	13,571	10,625
107		Capital contributions funding asset replacement and renewal	3,332	10,511	12,302	12,207	15,571	10,025
108		set replacement and renewal less capital contributions	9,992	10,911	12,362	12,287	13,571	10,625
109				,		,	,	
-								
110			Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
11								
12	11a(v): A	Asset Relocations						
13		Project or programme*	\$000 (in constant pr	ices)				
14		[Description of material project or programme]	-	-	-	-	-	-
15		[Description of material project or programme]						
16		[Description of material project or programme]						
17		[Description of material project or programme]						
18		[Description of material project or programme]						
119		*include additional rows if needed						
120		All other project or programmes - asset relocations						
121		set relocations expenditure		-	-	-	-	-
122		Capital contributions funding asset relocations						
23	As	set relocations less capital contributions		-		-		
24								
			_					
25			Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
26								
27	112/200	Quality of Supply						
27			\$000 lim	iesel				
28 29		Project or programme* Protection Work	\$000 (in constant pr 1,502	1,133	1,297	666	732	732
30		Improving Network Interconnectivity	1,502	1,133	827	2,064	2,841	3,337
30		Network Automation and Sectionalisation	1,361	1,284	1,234	1,234	1,452	1,975
		Fault Locator	344	265	265	1,234	1,452	1,975
131		Condition Monitoring	250	265	222	222	128	128
132		Transformer	250	204	311	53	-	
33		Switchgear	-	204	511	53	-	63
134		*include additional rows if needed		-	-	-	-	63
135		All other projects or programmes - quality of supply				1		i
136		uality of supply expenditure	4,124	4,343	4,155	4,349	5,153	6,234
137		Capital contributions funding quality of supply	4,124	4,545	4,233	7,343	3,133	0,234
138		uality of supply less capital contributions	4,124	4,343	4,155	4,349	5,153	6,234
139	Q.		4,124	4,545	4,200	7,545	3,233	0,234

SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE

Electra Limited AMP Planning Period 1 April 2024 – 31 March 2034 This schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and a 10 year planning period. The forecasts should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both constant price and nominal dollar terms. Also required is a forecast of the value of

				lotes). EDBs must e	express the informatio	on in this schedule (1
nust provide explanatory comment on the difference between constant price and nom ed in Schedule 15 (Voluntary Explanatory Notes).	ninal dollar forecasts of expenditure on asset:	s in Schedule 14a (Man	datory explanatory i			, , , , , , , , , , , , , , , , , , , ,
ormation is not part of audited disclosure information.						
	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
11a(vii): Legislative and Regulatory						
Project or programme*	\$000 (in constant pr	ices)				
Seismic Strengthening	559	391	311	489	-	-
*include additional rows if needed						
All other projects or programmes - legislative and regulatory	-					
Legislative and regulatory expenditure less Capital contributions funding legislative and regulatory	559	391	311	489	-	-
Legislative and regulatory less capital contributions	559	391	311	489	-	
		<u> </u>				
	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
11-(-iii) Other Beliebility Cof 1						
11a(viii): Other Reliability, Safety and Environment Project or programme*	\$000 (in constant pr	icae)				
New ABS and renewals	277	561	561	561	660	660
Steel Link Pillar Removal	277	98	98	98	116	116
Deck Transformers	111	-	98	-	-	-
Poles Pitchfilled Potheads	90	- 80	80	80	94	94
Switchgear	90	- 80	- 80	89		94
*include additional rows if needed						
All other projects or programmes - other reliability, safety and environ						
Other reliability, safety and environment expenditure	755	739	838	828	870	870
Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment	755					
Other reliability, safety and environment expenditure	755		838 838	828 828		870 870
Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment	755 t 755	739	838	828	870	870
Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment	755					
Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions	755 t 755	739	838	828	870	870
Other reliability, safety and environment expenditure less Capital contributions funding other eliability, safety and environment Other reliability, safety and environment less capital contributions 11a(ix): Non-Network Assets	755 t 755	739	838	828	870	870
Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions	755 t 755	739 CY+1	838	828	870	870
Other reliability, safety and environment expenditure /ess Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions 11a(ix): Non-Network Assets Routine expenditure Project or pragramme* Office buildings, depots & workshops	5000 (in constant pr 4,245	739 CY+1 ices) 3,557	838 CY+2	828 CY+3	870 CY+4	870 CY+5
Other reliability, safety and environment expenditure /ess Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions 11a(ix): Non-Network Assets Routine expenditure Project or programme* Office buildings, depots & workshops Office furniture, fittings and equipment incl. PPE	\$000 (in constant pr 4,245 25	739 CY+1 ices) 3,557 60	3,498 60	66 30	CY+4 70 35	65 35
Other reliability, safety and environment expenditure less Capital contributions funding other eliability, safety and environment Other reliability, safety and environment less capital contributions 11a(ix): Non-Network Assets Routine expenditure Project or programme* Office buildings, depots & workshops Office furniture, fittings and equipment incl. PPE Tools, plant & other mechinery	\$000 (in constant pr 4,245 25 520	739 CY+1 ices) 3,557 60 414	3,498 60 332	828 CY+3 56 30 298	70 35 350	65 35 350
Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions 11a(ix): Non-Network Assets Routine expenditure Project or programme* Office buildings, deports & workshops Office furniture, fittings and equipment incl. PPE Tools, plant & other machinery Motor Vehicles	\$000 (in constant pr 4,245 520 520 660	739 CY+1 ices) 3,557 60 414 213	3,498 60 332 85	2743 CY+3 56 30 298 85	70 35 350 100	65 35 350 100
Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions 11a(ix): Non-Network Assets Routine expenditure Project or programme* Office buildings, depots & workshops Office furniture, fittings and equipment incl. PPE Tools, plant & other mechinery	\$000 (in constant pr 4,245 25 520	739 CY+1 ices) 3,557 60 414	3,498 60 332	828 CY+3 56 30 298	70 35 350	65 35 350
Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions 11a(ix): Non-Network Assets Routine expenditure Project or programme* Office buildings, depots & workshops Office furniture, fittings and equipment incl. PPE Tools, plant & other machinery Motor Vehicles ICT LoT *Include additional rows if needed	\$000 (in constant pr 4,245 520 660 870	739 C(+1 sizes) 3,557 60 414 213 727 727	3,498 60 332 85 642	56 30 298 85 451	70 35 350 100 845	65 35 350 1000
Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions 11a(ix): Non-Network Assets Routine expenditure Project or programme* Office buildings, depots & workshops Office furniture, fittings and equipment incl. PPE Tools, plant & other machinery Motor Vehicles ICT ICT ICT ICT In "Include additional rows if needed All other projects or programmes - routine expenditure	\$000 (in constant pr 4,245 500 (in constant pr 4,245 250 600 870 460	739 CY+1 ices) 3,557 60 414 213 727 680	3,498 60 332 85 642 1,934	566 300 298 85 451 1,479	70 70 35 35 100 845 235	65 65 35 350 100 545 305
Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions 11a(ix): Non-Network Assets Routine expenditure Project or programme* Office buildings, deports & workshops Office furniture, fittings and equipment incl. PPE Tools, plant & other machinery Motor Vehicles ICT Include additional rows if needed All other projects or programmes - routine expenditure Routine expenditure	\$000 (in constant pr 4,245 520 660 870	739 C(+1 sizes) 3,557 60 414 213 727 727	3,498 60 332 85 642	56 30 298 85 451	70 35 350 100 845	65 35 350 1000
Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions 11a(ix): Non-Network Assets Routine expenditure Project or programme* Office buildings, depots & workshops Office furniture, fittings and equipment incl. PPE Tools, plant & other machinery Motor Yehicles ICT IoT *Include additional rows if needed All other projects or programmes - routine expenditure	\$000 (in constant pr 4,245 500 (in constant pr 4,245 250 600 870 460	739 CY+1 ices) 3,557 60 414 213 727 680	3,498 60 332 85 642 1,934	566 300 298 85 451 1,479	70 70 35 35 100 845 235	65 65 35 350 100 545 305
Other reliability, safety and environment expenditure Less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions 11a(ix): Non-Network Assets Routine expenditure Project or programme* Office buildings, depots & workshops Office furniture, fittings and equipment incl. PPE Troots, plant & other machinery Motor Vehicles LCT LOT "Include additional rows if needed All other projects or programmes - routine expenditure Routine expenditure Atypical expenditure	\$000 (in constant pr 4,245 500 (in constant pr 4,245 250 600 870 460	739 CY+1 ices) 3,557 60 414 213 727 680	3,498 60 332 85 642 1,934	566 300 298 85 451 1,479	70 70 35 35 100 845 235	65 65 35 350 100 545 305
Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions 11a(ix): Non-Network Assets Routine expenditure Project or programme* Office buildings, depots & workshops Office furniture, fittings and equipment incl. PPE Tools, plant & other machinery Motor Vehicles ICT IoT *Include additional rows if needed All other projects or programmes - routine expenditure Routine expenditure Atypical expenditure Atypical expenditure Applical expenditure Project or programme*	\$000 (in constant pr 4,245 500 (in constant pr 4,245 250 600 870 460	739 CY+1 ices) 3,557 60 414 213 727 680	3,498 60 332 85 642 1,934	566 300 298 85 451 1,479	70 70 35 35 100 845 235	65 65 35 350 100 545 305
Other reliability, safety and environment expenditure (See Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions (See See See See See See See See See See	\$000 (in constant pr 4,245 500 (in constant pr 4,245 250 600 870 460	739 CY+1 ices) 3,557 60 414 213 727 680	3,498 60 332 85 642 1,934	566 300 298 85 451 1,479	70 70 35 35 100 845 235	65 65 35 350 100 545 305
Other reliability, safety and environment expenditure (See Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions (See See See See See See See See See See	\$000 (in constant pr 4,245 500 (in constant pr 4,245 250 600 870 460	739 CY+1 ices) 3,557 60 414 213 727 680	3,498 60 332 85 642 1,934	566 300 298 85 451 1,479	70 70 35 35 100 845 235	65 65 35 350 100 545 305
Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions 11a(ix): Non-Network Assets Routine expenditure Project or programme* Office buildings, depots & workshops Office furniture, fittings and equipment incl. PPE Tools, plant & other machinery Motor Vehicles ICT IoT *Include additional rows if needed All other projects or programmes - routine expenditure Routine expenditure Atypical expenditure Atypical expenditure Applical expenditure Project or programme*	\$000 (in constant pr 4,245 500 (in constant pr 4,245 250 600 870 460	739 CY+1 ices) 3,557 60 414 213 727 680	3,498 60 332 85 642 1,934	566 300 298 85 451 1,479	70 70 35 35 100 845 235	65 65 35 350 100 545 305
Other reliability, safety and environment expenditure Cother reliability, safety and environment less capital contributions Other reliability, safety and environment less capital contributions 11a(ix): Non-Network Assets Routine expenditure Project or programme* Office buildings, depots & workshops Office furniture, fittings and equipment incl. PPE Tools, plant & other machinery Motor Vehicles ICT IoT *Include additional rows if needed All other projects or programmes - routine expenditure Routine expenditure Atypical expenditure Project or programme* Included above Included additional rows if needed All other projects or programmes - atypical expenditure *Included additional rows if needed All other projects or programmes - atypical expenditure	\$000 (in constant pr 4,245 500 (in constant pr 4,245 250 600 870 460	739 CY+1 ices) 3,557 60 414 213 727 680	3,498 60 332 85 642 1,934	566 300 298 85 451 1,479	70 70 35 35 100 845 235	65 65 35 350 100 545 305
Other reliability, safety and environment expenditure Less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions 11a(ix): Non-Network Assets Routine expenditure Project or programme* Office furniture, fittings and equipment incl. PPE Tools, plant & other machinery Motor Vehicles ICT IoT *Include additional rows if needed All other projects or programme* - routine expenditure Routine expenditure Atylical expenditure Project or programme* Included above *Include additional rows if needed *Included additional rows if needed *Included above	\$000 (in constant pr 4,245 500 (in constant pr 4,245 250 600 870 460	739 CY+1 ices) 3,557 60 414 213 727 680	3,498 60 332 85 642 1,934	566 300 298 85 451 1,479	70 70 35 35 100 845 235	65 65 35 350 100 545 305
Other reliability, safety and environment expenditure Cother reliability, safety and environment less capital contributions Other reliability, safety and environment less capital contributions 11a(ix): Non-Network Assets Routine expenditure Project or programme* Office buildings, depots & workshops Office furniture, fittings and equipment incl. PPE Tools, plant & other machinery Motor Vehicles ICT IoT *Include additional rows if needed All other projects or programmes - routine expenditure Routine expenditure Atypical expenditure Project or programme* Included above Included additional rows if needed All other projects or programmes - atypical expenditure *Included additional rows if needed All other projects or programmes - atypical expenditure	\$000 (in constant pr 4,245 500 (in constant pr 4,245 250 600 870 460	739 CY+1 (ces) 3,557 60 414 213 727 680 5,650	3,498 60 332 85 642 1,934	566 300 298 85 451 1,479	70 70 35 35 100 845 235	65 65 35 350 100 545 305

7.2 FORECAST OPERATIONAL EXPENDITURE (SCHEDULE 11B)

s mu rmat		NDITURE							Planning Period		024 – 31 March	2034
	edule requires a breakdown of forecast operational expenditure for the disclosure yeas sts provide explanatory comment on the difference between constant price and nomir tion about these values, this may be disclosed in Schedule 15 (Voluntary Explanatory Normation is not part of audited disclosure information.	nal dollar operational expend										upporting
		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+1
	Operational Expenditure Forecast	\$000 (in nominal dolla	ırs)									
	Service interruptions and emergencies	2,759	2,407	2,455	2,504	2,554	2,605	2,657	2,710	2,765	2,820	
	Vegetation management	1,809	2,009	2,050	2,091	2,132	2,175	2,218	2,263	2,308	2,354	
	Routine and corrective maintenance and inspection	2,293	2,349	2,396	2,333	2,379	2,378	1,957	1,996	2,036	2,077	
	Asset replacement and renewal	688	604	616	628	641	654	667	680	694	708	
	Network Opex System operations and network support	7,549 6,279	7,369 7,279	7,516 7,425	7,556 9,268	7,707 9,349	7,812 9,557	7,499 10.388	7,649 10,694	7,802 11.008	7,958 11.330	
	Business support	5,767	7,888	8,046	8,207	8,371	8,538	8,709	8,883	9,061	9,242	
	Non-network opex	12,046	15,167	15,470	17,475	17,720	18,095	19,097	19,577	20,069	20,572	
	Operational expenditure	19,595	22,536	22,987	25,030	25,427	25,907	26,596	27,226	27,871	28,531	
		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+1
		\$000 (in constant price	es)									
	Service interruptions and emergencies	2,759	2,353	2,353	2,353	2,353	2,353	2,353	2,353	2,353	2,353	
	Vegetation management	1,809	1,964	1,964	1,964	1,964	1,964	1,964	1,964	1,964	1,964	
	Routine and corrective maintenance and inspection	2,293	2,296 591	2,296 591	2,192	2,192 591	2,147 591	1,732	1,732 591	1,732	1,732	
	Asset replacement and renewal Network Opex	7,549	7,203	7,203	7,099	7,099	7,054	591 6,640	6,640	591 6,640	591 6,640	
	System operations and network support	6,279	7,115	7,115	8,708	8,612	8,631	9,197	9,282	9,368	9,453	
	Business support	5,767	7,711	7,711	7,711	7,711	7,711	7,711	7,711	7,711	7,711	
	Non-network opex	12,046	14,826	14,826	16,419	16,323	16,341	16,907	16,993	17,078	17,164	
	Operational expenditure	19,595	22,029	22,029	23,517	23,421	23,396	23,547	23,633	23,718	23,803	
	Subcomponents of operational expenditure (where known) Energy efficiency and demand side management, reduction of											
	energy losses	-	-	-	-	200	300	500	500	500	500	
	Direct billing*											
	Research and Development											
Dir	Insurance rect billing expenditure by suppliers that direct bill the majority of their consumers	595	948	948	948	948	948	948	948	948	948	
		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+:
	Difference between nominal and real forecasts	\$000										
	Service interruptions and emergencies	-	54	102	151	201	252	305	358	412	467	
	Vegetation management		45	85	126	168	211	254	299	344	390	
	Routine and corrective maintenance and inspection Asset replacement and renewal		53 14	100 26	141 38	188 51	230 63	76	263 90	303 103	344 117	
	Network Opex		166	313	457	608	757	860	1,010	1,163	1,319	
	System operations and network support		164	309	560	737	926	1,191	1,412	1,640	1,877	
	Business support	-	177	335	496	660	828	998	1,172	1,350	1,531	
	Non-network opex		341	644	1,056	1,397	1,754	2,189	2,584	2,990	3,409	
	Operational expenditure	-	507	957	1,513	2,005	2,511	3,049	3,594	4,153	4,728	
	Commentary on options and considerations made in the assessment of	f forecast over and it.										

7.3 ASSET CONDITION (SCHEDULE 12A)

Company Name Electra Limited

AMP Planning Period 1 April 2024 – 31 March 2034

SCHEDULE 12a: REPORT ON ASSET CONDITION

This schedule requires a breakdown of asset condition by asset class as at the start of the forecast year. The data accuracy assessment relates to the percentage values disclosed in the asset condition columns. Also required is a forecast of the percentage of units to be replaced in the next 5 years. All information should be consistent with the information provided in the AMP and the expenditure on assets forecast in Schedule 11a. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch rej												
7						Asset	condition at sta	rt of planning pe	eriod (percentage	of units by grad	de)	
9	Voltage	Asset category	Asset class	Units	H1	H2	нз	Н4	Н5	Grade unknown	Data accuracy (1–4)	% of asset forecast to be replaced in next 5 years
10	All	Overhead Line	Concrete poles / steel structure	No.	0.39%	1.45%	17.04%	23.65%	37.03%	20.44%	3	1.39%
11	All	Overhead Line	Wood poles	No	-		5.79%	93.25%	0.96%	-	2	1.78%
12	All	Overhead Line	Other pole types	No	-	-	-			•	N/A	-
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km -		13.60% -		6.16%	80.24%	-	3	16.54%
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km -	-	-	-	-		-	N/A	-
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km -		3.22% -		0.81%	94.63%	1.34%	4	-
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km -	-	-	-	-		-	N/A	-
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km -	-	-	-	-		-	N/A	-
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km -		0.14%	0.51%	79.02%	20.26%	0.07%	4	1.70%
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km -	-	-	-	-		-	N/A	-
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km -	-	-	-			-	N/A	-
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km -	-	-	-	-		-	N/A	-
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km -	-	-	-	-		-	N/A	-
23	HV	Subtransmission Cable	Subtransmission submarine cable	km -	-	-	-	-		-	N/A	-
24	HV	Zone substation Buildings	Zone substations up to 66kV	No		9.10%	27.27%	18.18%	45.45%	-	4	-
25	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	-		-	N/A	-
26	HV	Zone substation switchgear	22/33kV CB (Indoor)	No	-		-		100.00%	-	4	-
27	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No	-	9.10% -		4.55%	86.35%	-	4	54.55%
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No	-	-	-			-	N/A	
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No	-		38.00%	52.50%	9.50%	-	3	38.00%
30	HV	Zone substation switchgear	33kV RMU	No	-	-	-	-		-	N/A	-
31	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No	-	-	-	-		-	N/A	-
32	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No	-	-	-			-	N/A	-
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No	-		1.27%	12.66%	86.07%	-	3	16.46%
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.		-	-	l·	.		N/A	-
35												

Company Name	Electra Limited
AMP Planning Period	1 April 2024 – 31 March 2034

SCHEDULE 12a: REPORT ON ASSET CONDITION

This schedule requires a breakdown of asset condition by asset class as at the start of the forecast year. The data accuracy assessment relates to the percentage values disclosed in the asset condition columns. Also required is a forecast of the percentage of units to be replaced in the next 5 years. All information should be consistent with the information provided in the AMP and the expenditure on assets forecast in Schedule 11a. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

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	86					Asset condition at start of planning period (percentage of units by grade)							
	37 Vo	oltage	Asset category	Asset class	Units	Н1	H2	НЗ	Н4	Н5	Grade unknown	Data accuracy (1–4)	% of asset forecast to be replaced in next 5 years
3	89 H\	V	Zone Substation Transformer	Zone Substation Transformers	No.	-	5.26%	5.26%	21.05%	68.43%	-	4	10.53%
4	ю н	V	Distribution Line	Distribution OH Open Wire Conductor	km	0.50%	10.01%	0.06%	1.79%	86.65%	0.99%	3	5.94%
4	11 H	V	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	-	-	-	N/A	-
4	12 H\	V	Distribution Line	SWER conductor	km	-	-	-	-	-	-	N/A	-
4	13 H\	V	Distribution Cable	Distribution UG XLPE or PVC	km	-	3.23%	-	0.81%	94.63%	1.33%	3	-
4	14 H\	V	Distribution Cable	Distribution UG PILC	km	-	0.14%	0.51%	79.02%	20.26%	0.07%	3	2.71%
4	15 H\	V	Distribution Cable	Distribution Submarine Cable	km	-	-	-	-	-	-	N/A	-
4	16 H\	V	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	-	-	6.00%	12.00%	82.00%	-	4	6.00%
4	17 H\	V	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	-	-	-	-	-	-	N/A	-
4	18 H\	V	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	3.00%	38.81%	7.68%	8.28%	42.23%	-	3	5.37%
4	19 H\	V	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	-	-	-	-	-	-	N/A	-
5	50 н\	V	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	-	0.55%	5.52%	1.10%	92.83%	-	3	0.55%
5	51 HV	V	Distribution Transformer	Pole Mounted Transformer	No.	1.65%	2.26%	11.99%	7.40%	75.41%	1.29%	4	3.61%
5	52 H\	V	Distribution Transformer	Ground Mounted Transformer	No.	0.10%	9.33%	6.25%	12.70%	71.62%	-	4	0.60%
5	53 HV	V	Distribution Transformer	Voltage regulators	No.	-	-	-	-	-	-	N/A	-
5	54 H\	V	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	-	-	-	-	N/A	-
5	55 LV	V	LV Line	LV OH Conductor	km	-	43.29%	7.16%	5.26%	44.11%	0.18%	3	4.28%
5	6 LV	V	LV Cable	LV UG Cable	km	0.23%	20.05%	5.14%	12.10%	62.16%	0.32%	3	0.18%
5	57 LV	V	LV Streetlighting	LV OH/UG Streetlight circuit	km	-	-	-	-	-	100.00%	2	1.00%
5	58 LV	V	Connections	OH/UG consumer service connections	No.	0.61%	3.22%	19.93%	0.72%	71.01%	4.51%	3	3.89%
5	59 Al	H	Protection	Protection relays (electromechanical, solid state and numeric)	No.	-	1.70%	20.90%	33.30%	44.10%	-	4	25.00%
6	60 AI	II	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	-	-	10.00%	70.00%	20.00%	-	3	15.00%
6	51 All	II	Capacitor Banks	Capacitors including controls	No.	-	-	-	-	-	-	N/A	-
6	52 Al	II	Load Control	Centralised plant	Lot	-	-	-	50.00%	50.00%	-	4	-
6	3 AI	II	Load Control	Relays	No.	-	-	-	-	-	100.00%	2	10.00%
6	54 All	ll .	Civils	Cable Tunnels	km	-	-	-	-	-	-	N/A	-

7.4 FORECAST CAPACITY (SCHEDULE 12B)

Company Name	Electra Limited					
AMP Planning Period	1 April 2024 – 31 March 2034					

SCHEDULE 12b: REPORT ON FORECAST CAPACITY

This schedule requires a breakdown of current and forecast capacity and utilisation for each zone substation and current distribution transformer capacity. The data provided should be consistent with the information provided in the AMP. Information provided in this table should relate to the operation of the network in its normal steady state configuration.

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: System Growth - Zone Substations Existing Zone Substations	Current Peak Load (MVA)	Installed Firm Capacity (MVA)	Security of Supply Classification (type)	Transfer Capacity (MVA)	Utilisation of Installed Firm Capacity %	Installed Firm Capacity +5 years (MVA)	Utilisation of Installed Firm Capacity + 5yrs %	Installed Firm Capacity Constraint +5 years (cause)	Explanation
Shannon	5.2	5	N-1	6	105%	5	115%	Other	Load managed by feeder reconfiguration and transfer to other zone feeders.
Foxton	10.6	23	N-1	4	46%	23	50%	No constraint within +5 years	
Levin West	14.3	23	N-1	12	62%	23	68%	No constraint within +5 years	
Levin East	16.3	23	N-1	12	71%	23	78%	No constraint within +5 years	
Otaki	13.5	23	N-1	4	59%	23	64%	No constraint within +5 years	
Waikanae	16.9	23	N-1	12	74%	23	81%	No constraint within +5 years	
Paraparaumu East	14.4	23	N-1	16	63%	23	69%	No constraint within +5 years	
Paraparaumu West	13.8	23	N-1	8	60%	23	66%	No constraint within +5 years	
Raumati	10.9	23	N-1	12	47%	23	52%	No constraint within +5 years	
Paekakariki	3.3	-	N-1 (Switched)	6	-	-	-	No constraint within +5 years	Automatic changeover to Raumati using fault monitors and motorised switches

7.5 FORECAST NETWORK DEMAND (SCHEDULE 12C)

HEDULE 12c: REPORT ON FORECAST NETWORK DI	MAND		Company Name Planning Period		Electra Limited 2024 – 31 March	2034
schedule requires a forecast of new connections (by consumer type), peak dem imptions used in developing the expenditure forecasts in Schedule 11a and Sch	and and energy volumes for the disclosure year and a 5 year planning period. T	he forecasts should be	e consistent with the	e supporting information	on set out in the AMP	as well as the
12c(i): Consumer Connections						
Number of ICPs connected during year by consumer type	Current Year CY	CY+1	Number of c	connections CY+3	CY+4	CY+5
Consumer types defined by EDB*						
All	490	508	525	542	560	5
[EDB consumer type]						
[EDB consumer type] [EDB consumer type]						
[EDB consumer type]						
Connections total	490	508	525	542	560	
*include additional rows if needed						
Distributed generation	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
Number of connections made in year	291	312	417	477	621	
Capacity of distributed generation installed in year (MVA)	1.7	1.8	2.4	2.7	3.6	
12c(ii) System Demand	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
Maximum coincident system demand (MW)						
GXP demand	85	87	89	91	93	
plus Distributed generation output at HV and above Maximum coincident system demand	26 111	26 113	26 115	26 117	26 119	
less Net transfers to (from) other EDBs at HV and above	111	113	113	117	119	
Demand on system for supply to consumers' connection points	111	113	115	117	119	
Electricity volumes carried (GWh)						
Electricity supplied from GXPs	324	332	335	338	342	
less Electricity exports to GXPs		-	-	-	-	
plus Electricity supplied from distributed generation	133	134	134	135	137	
less Net electricity supplied to (from) other EDBs		-	-	470	470	
Electricity entering system for supply to ICPs less Total energy delivered to ICPs	457 428	466	469 439	473 443	478	
	29	30	30	30	31	
less Total energy delivered to ICPs Losses						
	47%	47%	47%	46%	46%	

7.6 FORECAST INTERRUPTIONS AND DURATION (SCHEDULE 12D)

Company Name	Electra Limited
AMP Planning Period	1 April 2024 – 31 March 2034
Network / Sub-network Name	Electra Ltd

SCHEDULE 12d: REPORT FORECAST INTERRUPTIONS AND DURATION

This schedule requires a forecast of SAIFI and SAIDI for disclosure and a 5 year planning period. The forecasts should be consistent with the supporting information set out in the AMP as well as the assumed impact of planned and unplanned SAIFI and SAIDI on the expenditures forecast provided in Schedule 11a and Schedule 11b.

sch re	f						
8		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
9							
10	SAIDI						
11	Class B (planned interruptions on the network)	20.0	20.0	20.0	20.0	20.0	20.0
12	Class C (unplanned interruptions on the network)	63.0	63.0	63.0	63.0	63.0	63.0
13	SAIFI						
14	Class B (planned interruptions on the network)	0.08	0.08	0.08	0.08	0.08	0.08
15	Class C (unplanned interruptions on the network)	1.58	1.58	1.58	1.58	1.58	1.58

7.7 SCHEDULE 14A: MANDATORY EXPLANATORY NOTES ON FORECAST INFORMATION

(In this Schedule, clause references are to the Electricity Distribution Information Disclosure Determination 2012, consolidating the principal determination and all amendments as at 6 July 2023)

1. This Schedule requires EDBs to provide explanatory notes to reports prepared in accordance with clause 2.6.6.

This Schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.7.2. This information is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.

Commentary on difference between nominal and constant price capital expenditure forecasts (Schedule 11a)

2. In the box below, comment on the difference between nominal and constant price capital expenditure for the current disclosure year and 10 year planning period, as disclosed in Schedule 11a.

Box 1: Commentary on difference between nominal and constant price capital expenditure forecasts

10-year planning period – Annual CPI allowance for increased cost, based on construction and compliance costs.

Commentary on difference between nominal and constant price operational expenditure forecasts (Schedule 11b)

3. In the box below, comment on the difference between nominal and constant price operational expenditure for the current disclosure year and 10 year planning period, as disclosed in <u>Schedule 11b</u>.

Box 2: Commentary on difference between nominal and constant price operational expenditure forecasts

Current disclosure year – nil, no impact.

10-year planning period – Annual CPI allowance for increased cost, based on construction and compliance costs.



8.1 SCHEDULE 17: CERTIFICATION FOR YEAR-BEGINNING DISCLOSURES

Pursuant to clause 2.9.1 of Section 2.9

We, Stephen Robert Armstrong and James Albert Carmichael being Directors of Electra Limited certify that, having made all reasonable enquiry, to the best of our knowledge:

- a. The following attached information of Electra Limited prepared for the purposes of clauses 2.6.1, 2.6.3, 2.6.6, and 2.7.2 of the Electricity Information Disclosure Determination 2012 in all material respects complies with that determination.
- b. The prospective financial or non-financial information included in the attached information has been measured on a basis consistent with regulatory requirements or recognised industry standards.
- c. The forecasts in Schedules 11a, 11b, 12a, 12b, 12c and 12d are based on objective and reasonable assumptions which align with Electra's corporate vision and strategy and are documented in retained records.

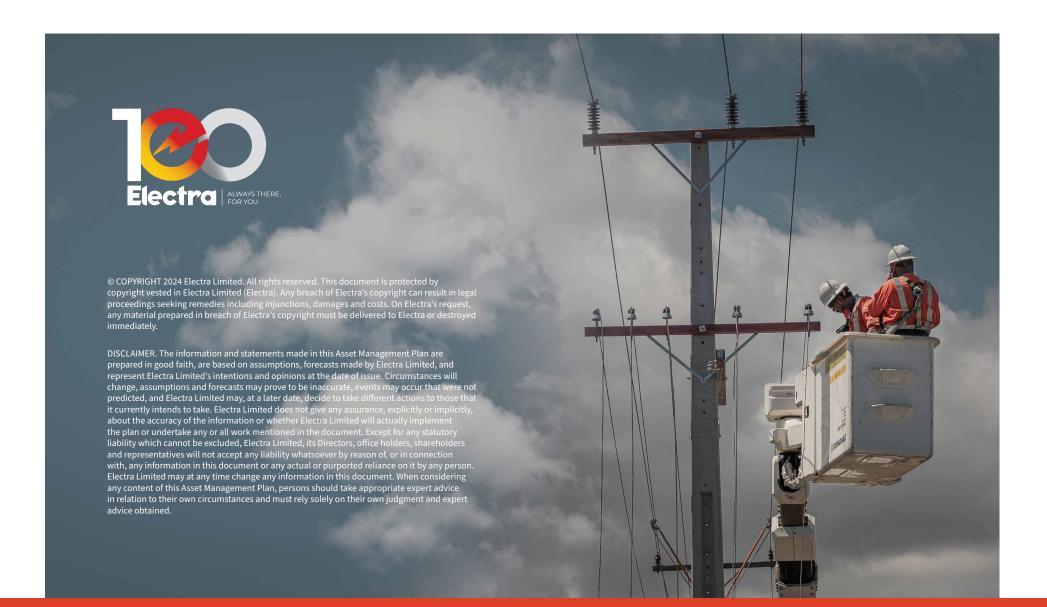
Director: Stephen Robert Armstrong

Date: 23 February 2024

Director: James Albert Carmichael

d Canuicha

Date: 23 February 2024



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