



This is The Lines Company's (TLC) 2024 Asset Management Plan Update (AMP).

This document provides an update on our 2023 AMP speaking to the key focus areas for TLC on our journey to maintain and invest in our electricity network, ensuring our customers keep having access to affordable and reliable power supply.

Our 2024 AMP is not a full AMP and highlights the changes from the full AMP published in March 2023 and provides a look ahead for the next 10 years.

The 2023 year presented some major challenges for our network as we recovered from the impacts of cyclone Gabrielle and other severe weather events resulting in delays to planning and project delivery in FY2024. However, despite these challenges, investment in our network has continued with delivery of twenty-eight line-renewal projects, the installation of five electric vehicle charging stations across the network to support New Zealand's decarbonisation targets, and further investment in security of supply. We are also very proud of the support we provided to local communities following the completion of several very successful community solar projects.

The investment in both our communities and our staff was acknowledged by TLC taking away the top honours at the NZ Energy Excellence Awards by winning the coveted Community Initiative of the year award. TLC also won multiple awards at the Connexis Annual Connection line competition including the overall Line Mechanic competition.

Our updated strategy has been incorporated into the AMP with specific focus areas driving key initiatives. This AMP update reflects our continuous drive to achieve our assigned quality standard thresholds with material investment changes on vegetation, security of supply, resilience, asset renewal and maintenance. Our asset management practices and improving capability ensures we focus our expenditure on the right assets at the right time. We have initiated an aerial pole-top inspection programme inspecting over 40,000 pole top assets, including photographing, and assessing their condition so we can better target our renewal. We have also started developing and growing our digital platform to support our vision to improve customer experience and continually improve efficiency. This will enable new and better channels of communication with our customers as well as enhanced project management capabilities.

Our focus on operational excellence and investing in network growth and security has been further enhanced with senior executive appointments for General Manager Future Energy, and General Manager Operational Excellence. Their appointments increase the depth of leadership within our executive team.

We are acutely aware that maintaining a safe and reliable electricity supply system is fundamental to supporting regional economic growth. This is even more important as our customers begin to rely on electricity for a larger share of their energy needs in the future. Our planning challenge is to do this in a sustainable and very importantly a cost-effective way for generations to come.

We're engaging with our stakeholders, our customers, our business partners, and the people living in our community on the way we manage our assets and on the projects that stem from the guiding principles outlined in this document. We continue to work hard to keep connected with our community and deliver our business objectives including the significant and important work outlined in this AMP.

The Lines Company

Mike Fox Chief Executive

Contents

Forew	ord.		2
Conter	nts		3
1 E	Execu	utive Summary	4
2 li	ntro	duction	6
2.1		Our network	6
2.2		Our Asset Management Objectives	7
3 C	Dur S	itrategy	
4 C	Deliv	ering our strategy	9
4.1		Four areas of focus	9
4.2		AMP Focus Area 1: Vegetation Management	9
4.3		AMP24 Focus Area 2: Resilience	
4.4		AMP Focus Area 3: Digital Utility	
4.5		AMP Focus Area 4: Security of Supply	
4	.5.1	Decarbonisation	
4	.5.2	Hangatiki GXP	
4	.5.3	Turangi Area Constraints	14
4	.5.4	Network Automation	14
4	.5.5	Zone Substation and Feeder Security of Supply	14
4.6		Significant projects in the 2024 AMP update	
Mater	ial C	hanges to our Expenditure	
5 N	Mate	rial Changes to our Expenditure	
5.1		Summary	
5.2		CAPEX - Material changes in each category	
5	.2.1	Consumer Connection	
5	.2.2	System Growth	20
5	.2.3	Asset Replacement and Renewal	21
5	.2.4	Quality of supply, reliability safety and environment	22
5	.2.5	Non-network assets	23
5.3		Summary of changes in capital expenditure	23
5.4		OPEX - Material changes in each category	26
5	.4.1	Network Opex	
5	.4.2	Non-network opex	
5.5		Summary of changes in operational expenditure	27
6 A	Appe	ndix A – AMP Disclosure Schedules	

1 Executive Summary

TLC's new strategy is now incorporated into AMP24 together with the corresponding five pillars of the framework driving the major initiatives. Our ability to deliver the strategy is crucial to achieve the outcomes expected for our customers. Four focus areas have been identified as critical enablers in AMP24. They are Vegetation Management, Resilience, Digital Utility and Security of Supply. Each of these have specific initiatives identified in the planning period.

TLC has also considered the implications of its contraventions of the quality standards in prior periods. Over the coming year we will complete an external review of our asset management practices as agreed with the Commerce Commission. This will assist us in further improving our asset management practices minimising the likelihood of future contraventions of our quality standards such as those that occurred in the 2017-2020 period.

This AMP also builds on the work over the past seven years, taking a targeted long term, prudent approach to addressing SAIDI and SAIFI performance. The majority of these initiatives will provide long term SAIDI and SAIFI benefits and will be implemented over a number of years.

Security of Supply (more detail in Section 4.5)

TLC has an extensive network, with many radial feeders and zone substations that don't have alternative back feed options. Currently any fault on these circuits results in SAIDI, that is entirely dependent on the total repair time for the fault, for customers beyond the fault. In some situations, where the fault location is difficult to access or repair, these customers can experience extended outages.

With the initiatives proposed, only a smaller section of the circuit directly impacted by the fault will be exposed to the total repair time. The supply to the remaining circuit can be restored reasonably quickly (isolation time) thereby improving customer experience and reducing SAIDI. Twelve initiatives have been forecast to address "n-1" security in AMP24, at a total cost of around \$16.6M.

Asset Renewal (more detail in Section 5.2.3)

AMP24 has refined the long-term renewal plans for most asset classes with an uplift of \$5.8m over the AMP24 planning period. For Overhead Assets, this extends more than 20 years. These longer-term plans will allow for more certainty and the ability to establish longer term contracts, improving delivery. Overall, this structured focus on renewal of assets posing a higher risk will improve reliability and reduce the risk of inherent asset failure and associated SAIDI.

Resilience (more detail in Section 4.3)

AMP24 has assigned specific capex investment of \$2.2M pa from RY26 to improve resilience associated with High Impact Low Probability (HILP) type environmental events by hardening the network to mitigate the impacts of climate change. These initiatives will include the relocation of overhead assets in forestry blocks (in partnership with forestry owners), undergrounding and others mitigating the impact of coastal erosion, flooding, earthquake, fire etc.

In addition, a further \$60k pa of OPEX has been allocated to work through the process of identifying the key risks and finalising the resilience roadmap. Armed with the learnings from the quality contraventions over the 2017-2020 period, a strong focus for this AMP is on finding solutions to address vegetation risk specifically associated with out of zone trees.

Maintenance (more detail in Section 5.2 and 5.4)

Initiatives have been forecast to improve TLC's ability to detect emerging risks that may lead to failure. These include the aerial pole top survey that is now underway, acoustic testing to identify incipient defects and Thor Hammer pole testing to identify wooden poles impacted by rot. In addition, improvements are also proposed to some maintenance activities to reduce the likelihood of unplanned outages. AMP24 has an overall uplift of \$5M opex and \$5.7M capex to support these initiatives.

Vegetation (more detail in Section 4.2)

Improvements to the management of vegetation have also been included in AMP24. In addition to the traditional opex related activity, a capex allocation has also been included to support the management of vegetation as part of capital renewal works. AMP24 has \$16M of opex and a further \$6M of capex allocated to vegetation initiatives in addition to the resilience expenditure mentioned earlier. TLC has also worked with a supplier to develop/ trial an innovative technique to manage in-zone vegetation using a Heli-Saw. This initiative will improve overall efficiency and help reduce the risk of impact from vegetation.

Digital Utility (more detail in Section 4.4)

The investment in the Digital Utility Program aims to provide greater focus on customers, to enable seamless operations (by using advanced and integrated systems), to create smarter tools for managing assets and to enable new technologies, such as artificial intelligence that will become integral in future asset management. AMP24 has allocated \$4.8M of non-network capex for the digital utility programme, and a further \$1.25M p.a. in opex to support the new systems that will be put in place.

2 Introduction

This AMP update provides a summary of the key changes we have made to our asset management plan since its last publication. It explains the key themes and initiatives which underpin those changes and outlines the impacts on expenditure we expect over the ten-year planning period.

2.1 Our network

The TLC Network provides an electricity distribution service to over 18,000 customers with around 24,000 connection points (or ICPs) covering 13,700 km². It is one of the largest network areas in New Zealand but has a low population density and doesn't supply a major urban centre. Consequently, much of the network is committed to providing electrical distribution services to rural and sparsely populated areas.

Relative to other distributors in New Zealand, the TLC network is also electrically complex. It has one of the most diverse customer populations, a long circuit length, multiple and varied points of supply (from both Transpower and large generators), and significant electricity generation embedded within the network.

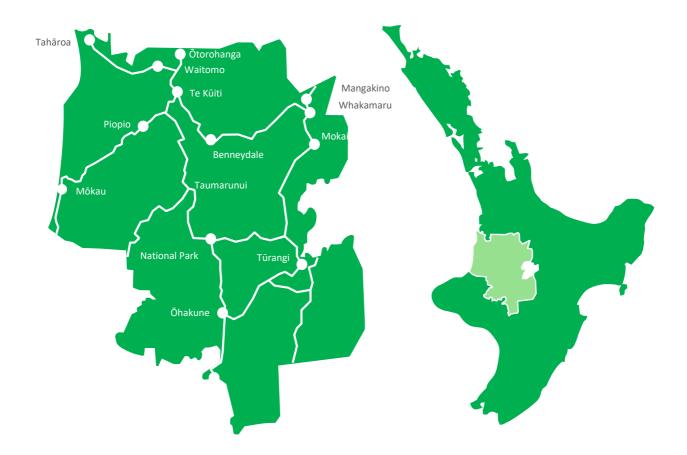


Figure 2 : The TLC Network Region

2.2 Our Asset Management Objectives

It is important that our Asset Management Plan and associated investment reflects the needs of the community. Investment in the network is intergenerational and our asset management plan seeks to ensure the best outcomes for customers over both short and long-term horizons. As such, when analysing investment in growth and security of supply, our goal is not to invest too early or too late but find a balance of both cost and performance that fits the needs of our community. Consequently, continuous engagement with our community is at the heart of balancing the energy trilemma of reliability, affordability and sustainability.

For this 2024 AMP, we have refined our objectives, focusing on the areas that we believe will have the most positive impact on our network and add value to our communities and customers across both the short and long term. Overall, these objectives remain consistent with previous years and are targeted at the underlying drivers of safety, reliability, compliance and risk.

•	Safety and environment	Maintains a focus on staff and public safety
•	Customer and community	Recognises that we exist to serve the needs of our customers and community
•	Networks for today and tomorrow	Ensures that we invest to meet both short and long-term energy delivery needs of our customers and NZ inc.
•	Asset stewardship	Ensures that we invest to maintain the health of our asset fleet.
•	Operational excellence	Provides ongoing pressure to improve our asset management capabilities

Table 2: Our Asset Management Objectives

We are continuing to seek a balance between affordability, reliability, and sustainability in our decisions. We recognise that we are operating in a complex environment and the decisions we make and how we interact with our communities has a direct impact on our customers now and into the future. Not only do we need to balance the energy trilemma of affordability, reliability, and sustainability but we also need to make sure that we make it easy for our customers to engage and work with us.

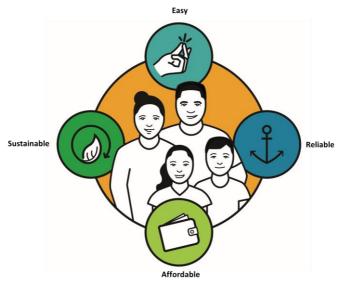


Figure 2: Our network planning is guided by the outcomes our customers value most

This 2024 AMP investment plan furthermore reflects TLC's commitment to standards set by the Commerce Commission. The plan focuses on identified areas that have caused contraventions in the past such as vegetation and climate change risks together with a continuous focus on overhead lines, security of supply and public safety.

3 Our Strategy

Over the last twelve months we have revised our strategy, and this is now reflected in our prioritisation and investment decisions. The core of our network strategy is that we aspire to be exceptional Asset Managers recognising that we drive investment returns, network efficiency and resilience with deployment of well-placed capital. In doing this we meet the current and future needs of our customers and comply with all our regulatory requirements.

Our new network strategy is designed to deliver on our purpose of 'Growing Communities with Energy' with the following five pillars forming the network strategy framework:

The Core: At its core, our network is safe for the public and our people, it meets or exceeds customer expectations in both value and reliability, is able to withstand the impact of increasingly volatile weather patterns, and it has the lowest practicable impact on the environment over its life cycle.

Decarbonisation. Our network is constructed and renewed to a standard that enables it to grow with the needs of our customers who wish to decarbonise through electrification. See section 4.5 for more detail.

Decentralisation. We are future ready and are enablers for our customers who wish to generate, consume, gift and sell their own energy. Our customers receive the benefits of a reliable, stable network connection while being able to generate their own renewable energy.

Digitisation. We use data to inform our investment and operational decisions, with a strong focus on the future. Our technology enables an awesome customer experience and drives efficiency through our business.

Value for our Shareholders. Our capital structure reflects the intergenerational nature of our assets ensuring an equitable distribution of cost over the life of our assets and an appropriate return to our shareholders.

The 2024 AMP focus areas are represented in table 2 below with the medium-term initiatives (FY24 to FY26) supporting TLC's long-term targets.

Focus Area	Strategy Pillar	FY24 – 26 Planned Initiatives
• Vegetation Management	The Core	 Commence re-route planning around forestry blocks to improve resilience where this is deemed viable. Commence trials of a new technology (Heli Saw) to improve efficiency of rural tree cutting.
Resilience	The Core	Complete Asset Resilience Risk Assessment and formalise resilience framework.
• Security of Supply	The Core	• Delivery of projects identified according to the AMP24 investment plan.
Digital Utility	Digitisation	 CRM system integrated with our business processes. ADMS system implemented.

The following table provides a summary of the four AMP24 focus areas as they are represented in our Network strategy:

Table 2: Our Focus Areas

4 Delivering our strategy

Each year TLC matures in its asset management capabilities and continuously adjusts its expenditure profile to improve quality performance standards as set by the Commerce Commission. Sections 4.1 and 4.6 summarize the material asset expenditure changes. Significant changes to our asset management approach and investment have occurred over the past seven years and we will continue to develop and improve these processes addressing issues following the quality performance standards contraventions in RY2017 to RY2019. We have made the following changes in our planning process for the 2024 AMP opex and capex expenditure forecasts.

• Our CAPEX allocation has been more defined over full 10-year program

The CAPEX plan has been built using a bottom-up approach for all the asset types for the next 10 years based on current condition data, known issues and basic end of life analysis.

In regulatory year 2025 we will complete a full network helicopter and drone-based inspection of our line assets, which will be conducted on a five yearly basis moving forward. This will materially improve our asset data quality and allow improved condition assessment and renewal planning for our major asset groups.



Figure 3: Expenditure plans were developed for each asset class for the 2024 AMP

The overhead line renewal program has undergone a major programme of works review to ensure that at-risk poles from a certain material and/or construction are pro-actively replaced over the next two decades, based on known risks and criticality.

Our OPEX forecast has been reviewed to support future asset management activities

Our Network opex expenditure has been re-evaluated with a focus on pro-active condition monitoring and maintenance practices plus the addition of non-network opex for climate change resilience analysis. This review and investment in pro-active maintenance and resilience has led to an increase in opex forecast.

4.1 Four areas of focus

Four focus areas have been identified for the 2024 AMP update. Each are critical enablers to support the AMP objectives, and each represents a significant change in the 10-year AMP expenditure profile or has a material impact on our business.

Each focus area is outlined in further detail in the following sections.

4.2 AMP Focus Area 1: Vegetation Management

The TLC network crosses through dense vegetative and forested areas, with 269 km of our overhead circuit running through forestry blocks and a further 106km through dense DOC land, requiring intensive vegetation management. Accordingly, TLC has a high exposure to faults resulting from out of zone tree fall, particularly during and after storm events.

In our 2023 AMP we documented the significant investment TLC is making on vegetation management (tree-trimming and removal) to maintain a reliable supply with operational expenditure of \$1.6m opex for vegetation control (not including vegetation faults). Out of zone trees are the most significant contributor to unplanned vegetation outages, making up over 90% of all vegetation outages (by count) and are especially prevalent where the lines run through managed forestry blocks. Consequently, we have allocated additional capex of between \$217k to \$615k per annum to assist with re-routing and

undergrounding in line with our vegetation management strategy. This capex allowance varies in accordance with the amount of line renewal projects planned for each year. In regulatory year 2024, we allocated \$150k to trial a heli-saw for trimming trees in forestry blocks to test the effectiveness and economic viability of this new tool. We are currently analysing the value of this operation and will decide whether a future increase in the vegetation management budget is justifiable. For now, the intention is to execute further heli-saw work within the current \$1.6m opex vegetation budget but substituting existing expenditure of traditional tree trimming.

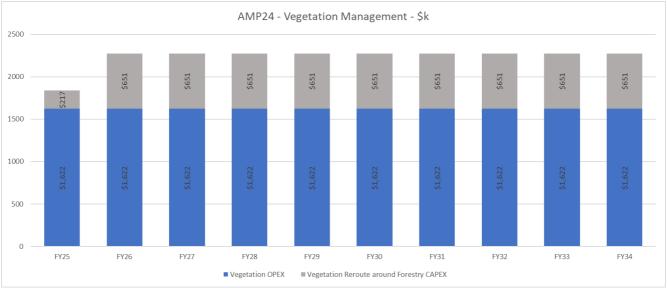


Figure 4: Vegetation Management (Capex and Opex) - excl CPI

TLC is engaging with forestry companies in the region to assess opportunities to relocate TLC network assets where appropriate. Most companies were receptive of this as an option and further discussions will be held for specific blocks at the right time. Other activities identified in our vegetation management strategy (such as spraying, re-routing, looking at alternative design options etc.) are in progress and being actioned as appropriate.

4.3 AMP24 Focus Area 2: Resilience

Our network is exposed to a wide range of natural hazards due to its proximity to active volcanoes and exposure to inundation risk from coastal storm surge and significant weather events (e.g., Cyclones Hale and Gabrielle). Along with weather-related risk, climate change is increasingly impacting our network. We are seeing more regular and more severe storm events and increased vegetation as farmland is converted to carbon sequestration forests.

The risks imposed depends on the type of hazard, our exposure to it and the vulnerability of our assets to each hazard. For example, assets near coastal areas are more greatly exposed to the risk of sea level rise.

We will link this back into the Electricity Engineers Association (EEA) resilience framework and the work Electricity Networks Aotearoa (ENA) is undertaking to develop a common resilience standard for electricity distributors (EDBs). This will also link in with the work we are doing with NiWA and an external consultancy we are engaging to support our resilience planning. In combination we will make use of both forecasted weather prediction information and historical climatology data to inform our decisions and actions in line with the resilience framework.

In July 2023 we completed a self-assessment using the EEA RMMAT resilience framework and submitted to the ENA who combined all the responses into an EDB view. Figure 4 shows the outcome of our assessment, which we will use to cross reference the ENA combined assessment outcome to develop a resilience improvement roadmap for TLC.

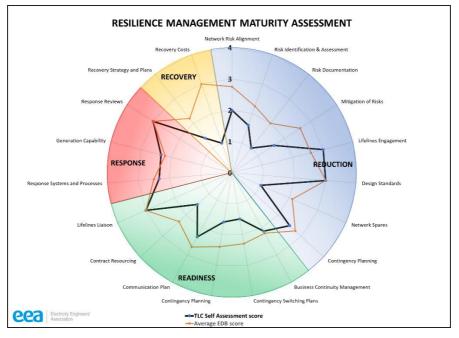


Figure 5: Resilience Self-Assessment – TLC and EDB average July 2023

In the coming year we will define the specific areas that will add most value to our business to address resilience maturity improvement. The key areas for the TLC Resilience framework strategy in the short term will include:

- 1. Reduction Risk Identification & Assessment
- 2. Reduction Network Spares
- 3. Recovery Recovery Strategy & Plans

This programme of work will span the next few years and follow a route of discovery, exposure and vulnerability assessment, utilising weather and other climatology data. The outcome of this will be used to identify the risks and finalise the resilience roadmap. An opex budget allowance for this resilience work of \$60k per annum over the next 4 years has been included in the 2024 AMP investment plan. To strengthen the recovery actions TLC will be working with Marae, local community and councils and civil defence to identify locations on the network to install generator inlets at key community facilities, which will allow the local community to easily connect mobile generators in the event of extended outages.

In addition to the foregoing, the 2024 AMP signals a renewed focus on resilience, especially relating to environmental risk, with Capex investments of \$1M p.a. covering all assets, \$0.6M p.a. specifically targeted at overhead lines and \$0.6M p.a. targeting zone substations, forecast from RY26.

The investment on resilience will focus on environmental impacts and considering exposure to climate change risk. The overhead element will look to address specific segments of the network at risk (e.g. areas impacted by coastal erosion, severe weather etc.) by considering a range of potential mitigation activities including relocation, undergrounding, reconductoring with aerial bundle conductor or the installation of covered conductors.

The zone substation element will pro-actively address risks associated with flooding, earthquake etc.

The investment for all assets will aim to address the increasing environmental risks driven by climate change. Examples of these are risks associated with fire, severe weather, lightening, landslides etc.

An extended program of work will be developed, and the associated projects details identified.

4.4 AMP Focus Area 3: Digital Utility

Electricity supply, distribution and management is becoming increasingly complex. This is being driven by the introduction of greater volumes of network information (digitisation), the increasing use of electricity in transport and industry to reduce carbon emissions (decarbonisation) and greater access to new technologies that allow customers to generate electricity on their homes (decentralisation). To manage this growing operational and asset investment complexity, TLC will undertake a programme to upgrade its key operational technologies, known as the Digital Utility Programme.

The primary objectives of the programme are to provide greater focus on customers, to enable seamless operations (by using advanced and integrated systems), to create smarter tools for managing assets and to enable new technologies, such as artificial intelligence that will become integral in future asset management.

A key part of the Digital Utility Programme is building the capabilities that can either reduce they quantity of outages on the network or their impact on customers. This will be delivered by more efficient fault tracking tools, advanced fault location capabilities via the Advanced Distribution Management System (ADMS), and optimised field resource management i.e. optimising how we mobilise field teams to respond to multiple outages across geographic locations on high fault days.

Figure 7 below summarises the key objectives of the programme.

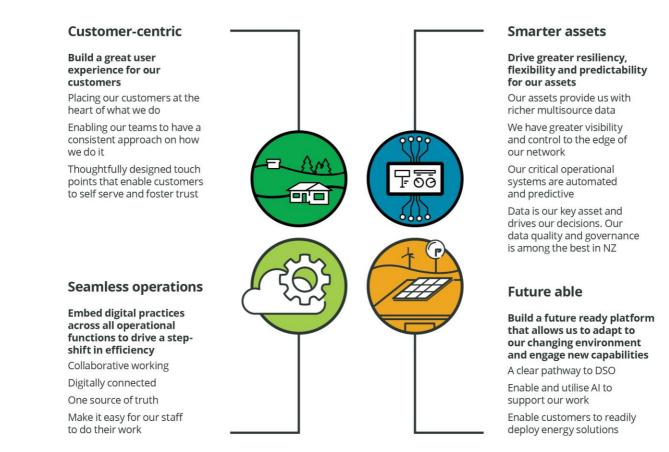


Figure 7: Key objectives of our digital utility strategy

The 2024 AMP will deliver these objectives in four phases over a five-year period, with the first delivery in regulatory year 2025. The programme will initially focus on improving customer experience and will then broaden to enable the full integration and enhancement our underlying databases and operational systems.

Phase	Core system(s) upgraded	Core capabilities that will be delivered
Phase 1	 CRM (Customer Relationship Management) 	Track customer information, systemise management and tracking of outages, systemise workflow and create initial capability for customers to self-serve via the TLC website.
Phase 2	 GIS (Geographic Information System) ADMS (Advanced Distribution Management System) 	Accurate and digital twin of the network, single source of truth for network connectivity modelling, advanced outage management including fault location and field response, advanced and automated network control capabilities, low voltage visibility and service monitoring.
Phase 3	 AMS (Asset Management System) 	Accurate single source of truth for our asset information, fully integrated with our financial systems.
Phase 4	 SCADA (System Control and Data Acquisition system) 	Modern field and back-office infrastructure that enables a future support pathway, including enhanced cyber protection and multi-site disaster recovery capability.

Table 3: Digital Utility Implementation Phases

The 2024 AMP has allocated \$4.8M of non-network capital expenditure for the digital utility programme, and a further \$1.25M p.a. in operational expenditure to support the new systems that will be put in place.

Developing and extending the capability of these critical systems will enable TLC to continue improvement in customer experience, improve safety outcomes for staff and public, improve operational efficiency and be more targeted in its investment planning.

4.5 AMP Focus Area 4: Security of Supply

We are continuing our security of supply programme to strengthen key supply points on our network. The key driver is that the quality of supply and reliability of our network is becoming increasingly important as electricity becomes a bigger portion of our customer's energy needs.

4.5.1 Decarbonisation

We are beginning to see initial impacts of decarbonisation occurring on our network, and we expect these to increase over the planning period. These initial impacts are primarily driven by our larger industrial and generation customers currently, and we expect impacts felt from changes in behaviour from mass market customers to follow in time. Investment in the security of supply on the network are taking this decarbonisation growth in mind and building capacity into parts of the network where amongst others the demand for EV charging points is increasing.

4.5.2 Hangatiki GXP

Changes to the demand profile for the Hangatiki GXP since the 2023 AMP have been made to take into account changes on future demand from three areas:

- 1. The proposed new milk processing plant at Otorohanga is now not expected to emerge, as the investing company was placed into administration and subsequently delisted from the ASX. It is therefore unlikely to proceed as previously forecast. This has resulted in a net reduction in forecast demand of between 8MVA and 12MVA.
- 2. There is currently approximately 11MVA of installed embedded small scale hydro generation capacity connected to this GXP which typically contributes from 1MVA to 9MVA to the net profile seen by Transpower. We have added back the metered generation profile to establish a contingent base profile for the 2024 AMP model.
- 3. The overall increase in demand at the Hangatiki GXP for the 2024 AMP is now primarily from iron ore mining together with some organic growth and forecast step increases.
 - a. Iron ore mining activity is increasing requiring an increase of installed capacity. However, firm capacity to the iron ore operations remains capped, and will be managed by a dedicated "Run Back" control system. This control can be initiated by Transpower or TLC under GXP or 110kV Transmission constraint conditions.
 - Forecast growth in the 2024 AMP period has been modelled with compounding organic growth rates of 1% (low) and 2% (high). Step load increases of circa 3.5MVA for new EV chargers and decarbonisation are also included in the forecast.

c. The resulting model indicates that the Hangatiki GXP should not become capacity constrained until around regulatory year 2030 with the runback scheme noted above in place.

As a result, with the milk processing plant not going ahead, there is no immediate need to increase capacity at Hangatiki GXP. TLC will engage with Transpower and agree a pragmatic solution to address the longer-term constraints associated with both the Hangatiki GXP and the regional transmission networks.

As a result of less load growth than expected deferral to align with the Transpower forecast transformer end of life renewals at circa 2031 are proposed and should be mutually beneficial. TLC will engage with Transpower to explore Hangatiki GXP options to improve their interim contingent available capacity until they are replaced.

Consequently, the previously forecast of \$12M investment in the 2023 AMP during regulatory year 2027 for an additional transformer, has been removed from our investment plan and a new allocation will be considered in the 2026 AMP planning cycle once there is more clarity on a longer-term solution.

4.5.3 Turangi Area Constraints

Through the development of the investment forecasts for the 2024 AMP, we have reviewed the growth forecast and constraints for Turangi, with a specific focus on the load growth forecasted due to EV charging stations. Through this exercise, we have considered Turangi, Awamate and Waiotaka Zone Substations as a group, given their proximity and interconnection. The 11kV Turangi and Awamate interconnection already exists and with existing planned work to install additional underground 33kV cable to the Turangi substation, only small-scale changes are required in the short term to accommodate the predicted load growth.

Therefore, noting that the existing transformers at Turangi are in an aged, but serviceable condition, fans will be retrofitted to the transformers at Turangi to increase their capacity in FY25. This delays the requirement for a more immediate investment to upgrade Turangi and allows TLC to better plan a transition away from the current site to a new site in the FY31 to FY34 period.

4.5.4 Network Automation

We are continuing our investment in sectionalising and automating switches on the network, which enables faults to be isolated to the affected areas and supports our ability to meet the targets of our security of supply standard. We see this as an important reliability management tool given TLC's network characteristics (large geographic coverage with limited back-feed options) and our observation is that this investment over the last few years is now providing benefits.

4.5.5 Zone Substation and Feeder Security of Supply

Our objective has been to identify and address expected capacity constraints on the network as well as improve the ability to recover from and restore supply to our customers in the event of a fault. These are critical to ensure the network can meet our customers primary expectations on quality of supply (SAIDI and SAIFI). Both the timing and the nature of the improvements proposed are crucial in balancing these customer service and cost.

For this 2024 AMP we have conducted a more detailed review of security of supply across all TLC zone substations using the published TLC security of supply standard as our reference point. This review has identified that 8 of the 28 zone substations currently meet the standard.

Initially we have focused on the five substations that are likely to encounter capacity constraints ("N" Security) due to growth during the 2024 AMP period and forecast the required improvements just prior to when the constraint is expected. Some constraints have been reviewed and proposed investments deferred e.g., Turangi and Hangatiki GXP. A secondary focus has been to address substations where we have difficulty in restoring supply in the event of a single fault ("N-1" Security).

Feeders that are known to cause difficulties due to inadequate back-feed capability have been identified as well as those that would help improve the "N-1" security at some zone substations. We have used SAIDI, the number of incidents and customer criticality to prioritise the feeders to reinforce. Investments addressing these will provide a more immediate benefit to TLC customers whenever they are affected by typical distribution faults.

The security of supply standard also has requirements associated with recovery from two concurrent events ("N-2" security). At this stage, we have not focused any investment on improvements to this element. Investment initiatives to address these are typically disproportionately more expensive, impacting on customer affordability.

We are aiming to continually improve network performance while maintaining an investment profile that is aligned with our regulatory limits. At the end of the 2024 AMP period, we expect to have addressed all forecast capacity constraints ("N"

security). Investments of \$21M on system growth and \$23M on quality of supply are forecast in the 2024 AMP period. Both investment categories have elements that make up our security of supply related initiatives.

This review has also highlighted that our current self-developed security of supply standard has set a high bar for TLC resulting in a value versus cost trade-off that may be inappropriate for our customers.

TLC has a total of 28 zone substations and within the 2024 AMP plan, only 11 won't meet the current published "N-1" standard at the end of the planning period. We will undertake a review of our security of supply standard in regulatory year 2025 to better understand the implications to future investment and network performance and ensure that our customers' expectations of balancing both service quality and affordability can be met.

Through this 2024 AMP planning cycle, the following are a subset of the investments proposed. Note that smaller projects under \$300k have been removed from the tables but their cost is still included in budget.

Feeder / ZSS	Project Description	Cost
Kiko Road ZSS FY25-FY27	Risk: N-1 (ZSS and Feeder) Kiko Road is a Z2 sub with ~890 customers fed by single 33 kV line. FY23 had 3 events where this could have saved total 81.2 raw SAIDI minutes. Customers off until faults are repaired or until generation is deployed. Feeder reinforcement to improve both feeder and ZSS security of supply constraint.	\$ 1,500,000
Wairere Falls ZSS	Risk: N-1 (ZSS and Feeder)	\$ 3,850,000
FY25-FY27	The Wairere line supplies 1925 customers, but only 324 of these can be backed up during normal conditions via the 11 kV network. Feeder reinforcement to improve both feeder and ZSS security of supply.	
Mahoenui (Mokau)	Risk: N-1 (Feeder - Permanent Generator Site)	\$ 1,000,000
FY25-FY27	The Mokau feeder is F1 security class with 589 customers on a radial feeder with no viable network backfeed options. Identify a site and develop a permanent generator site	
Waiotaka RMU	Risk: N-1 (Feeder and RMU)	\$ 400,000
FY27-FY28	The Waiotaka substation 11 kV feeder heads in 3 directions as it leaves the sub. To use this as either a Kiko back feed or to use the 33/11 intertie arrangement presents difficulties and time delay in rearranging feeders to manage loads.	
	Reinforce / reconfigure feeder to improve security of supply	
McDonalds Feeder reroute <i>FY27-FY30</i>	Risk: N-1 (Feeder) The McDonalds and Gravel Scoop are on shared structures with the Te Waireka 33 kV line through Progress drive. This poses a common fault risk to this part of the network. Reroute feeder to improve security of supply	\$ 500,000
Northern Feeder - Reinforcement <i>FY28-FY29</i>	Risk: N-1 (Feeder or ZSS) Northern Feeder is F1 security class with 1156 customers on essentially a radial feeder including Taumarunui Highschool. Develop solution to address security of supply.	\$ 1,000,000
TK West New Feeder	Risk: N-1 (Feeder)	\$ 500,000
FY28-FY30	The urban section of the Oparure feeder is currently supplied from Gadsby sub, operating at N security. This includes the Te Kuiti hospital and high school. Reinforce feeder to improve security of supply.	
Waitete ZSS	Risk: N-1 (Sub Trans)	\$ 1,200,000
FY29-FY31	Upgrade Waitete Sub-Transmission Line conductor.	

Feeder / ZSS	Project Description	Cost
Tangiwai Feeder	Risk: N-1 (Feeder)	\$ 450,000
FY30-FY32	Multiple circuits & line clash risk.	
	Convert section to underground	
Waikato River System -	Risk N-1 (Sub Trans, Feeders and Power Transformers)	\$ 3,950,000
Reinforcement of Maraetai, Marotiri and	Assessment of existing 33kV feeder from Atiamuri to Kahu Tee and Whakamaru - verify conductor capacity	
Kahu Tee ZSS	Assessment for upgrade of Mercury 11kV feeder to 33kV for a second supply to	
	Maraetai	
FY30 - FY33	Implement proposed solution that is informed by the prior assessment activities	
	to address security of supply constraints.	
Te Waireka ZSS	Risk: N-1 (Sub Trans)	\$ 1,391,000
FY32-FY34	Upgrade Te Kawa Sub-Transmission Line conductor.	
Te Waireka ZSS	Risk: N-1 (Sub Trans)	\$ 910,000
FY32-FY34	Upgrade Te Waireka Sub-Transmission Line conductor.	
Marotiri ZSS	Risk: N (Power Transformer)	\$ 600,000
FY27-FY29	Replace 3 MVA Transformer with 5 MVA TX.	1,
Manunui ZSS	Risk: N (Power Transformer and switchgear)	\$ 1,150,000
FY30-FY32	Replace Existing 5MVA TX with 10MVA and replace 11 kV pole mount switchgear	1 ,,
	with ground mount switches. Provision for an 11 kV incomer and a 3rd feeder to the Petpal site.	
Turangi ZSS	Risk: N (Power Transformer)	\$ 1,500,000
FY31 - FY33	Install 2 new 10MVA Transformers	
Gadsby Rd	Risk N (Switchgear and Transformer)	\$ 1,250,000
FY29-FY30	Replace switchgear and replace 5MVA Tx with 10/12 MVA	
Tangiwai	Risk N (11kV Feeder)	\$ 500,000
FY29-FY30	Take 11 kV supply from Transpower Tangiwai as backup supply to Ohakune area. Unload Tangiwai feeder	
National Park	Risk: N (Power Transformer)	\$ 600,000
FY32-FY33	Replace 3 MVA Fixed tap 33/11 kV transformer with 5 MVA	

Table 4: Significant Security of Supply Projects

4.6 Significant projects in the 2024 AMP update

Some of the key changes to projects forecast from the 2023 AMP are detailed below.

Iron Mine upgrade	This project has now been split into a growth component and an asset renewal component. TLC can now progress on some components of the asset renewal project without waiting on decisions from the customer on the growth component.
Hangatiki GXP	Now that the 2023 AMP forecast demand for the milk processing plant is no longer required, we have been able to develop a solution to support the proposed iron ore mining increase without an immediate upgrade of the Hangatiki GXP.
	As a result, the previously forecast investments have been removed. TLC is now working with Transpower and other regional networks to establish a pragmatic longer term regional solution which will be required around 2030/31. Once these are finalised, the required investment forecasts will be included in a future AMP.
Overhead Renewal Programs	A 20 plus year program has been established to address large populations of overhead assets that are nearing end of life and as a result likely to pose an increasing level of risk. The intent is to manage the risk associated with these and mitigate a potential bow wave of required renewal that will not be practically achievable. The program extends well beyond the AMP24 period with consolidated packages of work grouped geographically and electrically by Asset Group to improve delivery efficiency.
	This program addresses Steel Rail, "L" Shaped Concrete, Larch poles, existing lines not meeting current standards and known condition related issues in a cohesive manner. The condition related portions will be refined with the improved information gathered from the Aerial Pole Top Survey. This type of program will allow TLC to establish a longer-term base-line volume of work which will enable more efficient and longer-term contracts with field service providers.
Mobile substation	The 2023 AMP proposed that TLC procured a 5MVA mobile substation which could be deployed across TLC's network to support substation or distribution line faults and routine maintenance activities.
	The total cost of a 5MVA mobile substation including the establishment of connection points was estimated at \$2m and forecast accordingly in AMP23.
	The preparation of the business case has highlighted that lower cost options might exist to address the issues. The size of the unit, accessibility, and practicality to install across the range of TLC substations will undergo further analysis to determine if this is the most cost-effective way to address the issue. As a result, the potential procurement of the mobile sub-station has been removed from the AMP24 forecast.
New wind farm	A wind farm investor is currently working with TLC on the Connection Agreement leading to an expected final connection application involving a 33kV 6 way switching substation into the Taharoa A and B Lines and a STATCOM. The installed capacity is expected to be 32.4MW operating at 30MW.

Material changes to our expenditure

5 Material Changes to our Expenditure

5.1 Summary

The major changes in AMP24 are the result of volatility associated with customer-initiated projects as well as TLC improvements to its asset management practice with a strong focus on network resilience.

We have continued to build on the work started in 2017 ensuring appropriate levels of investment are targeted at areas of the network to address current or emerging network performance issues. Quality contraventions in 2017-2020 period have driven increased focus in the areas impacting most on reliability performance.

From 2017 our vegetation budget has increased from \$0.9M to \$1.2M in 2020, \$1.4M in 2022 and then to \$1.6M in 2024 which made a difference addressing vegetation issues within the Growth Limit Zones (GLZ). Currently circa 90% of vegetation related issues are caused by trees outside the of GLZ. In an attempt to address these out of GLZ tree issues material capex budget changes are forecasted in the resilience and security of supply budgets where the focus will be on either re-routing lines out of commercial forestry blocks (in partnership with forestry companies) or other resilience measures such as undergrounding or design changes in an attempt to make the lines more resilient to tree fall damage.

To address pole top defects, a pole top Failure Mode and Effect Analysis (FMEA) was conducted which led to the investment reflected in this AMP to conduct aerial pole top condition inspections five yearly starting RY24. This will provide a full pole top condition snapshot and ensure targeted investment in areas of the network that are at risk of unplanned outages.

Additional capex spend to improve security of supply following outages, by creating back feed options and automation to assist with faster restoration times has also been forecasted. These and other expenditure changes to address reliability performance are reflected in section 4.6.

The new investment profile is well aligned with the key focus areas highlighted in Section 3 and these are discussed in more detail for each category below.

5.2 CAPEX - Material changes in each category

In the following section we have outlined the material changes in each expenditure category.

All figures are in 000s and in constant values (i.e. they have not been adjusted for CPI).

5.2.1 Consumer Connection

Driver

The primary drivers for step change continues to be larger industrial customers (new and changing demand) and utility scale generation. Initiatives in both these elements have varying degrees of certainty driven by their commercial viability. Since AMP23, a significant contributor to forecast growth at Hangatiki GXP has become insolvent, resulting in the need to change forecast investments as discussed in section 4.5.

Regionally, other organic growth and decarbonisation initiatives also continue, but at a steady pace.

Material changes in our AMP expenditure forecasts

RY25

- Industrial growth initiatives for an iron ore mining company (\$3.8M) continue as planned, but the milk processing plant (\$1M) will not.
- Organic and other decarbonisation growth remains.

RY26-30

- Generation Utility scale embedded generation of 45.8MVA is forecast for this period, with an associated cost of around \$6M.
- A \$1m reduction in 2028 due to the milk processing plant as above not proceeding.
- Organic and other decarbonisation growth remains.

RY31-34

• Organic and other decarbonisation growth remains.

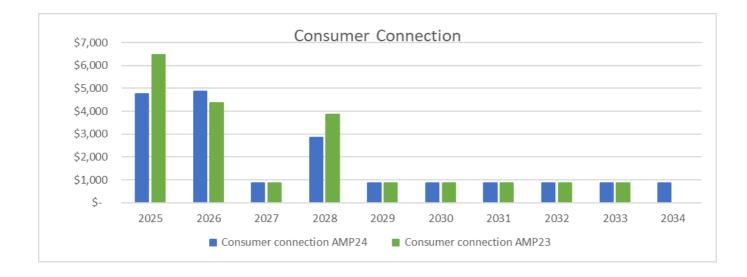


Figure 8: Consumer connection expenditure

5.2.2 System Growth

Drivers

As with consumer connections on the TLC network, System Growth is primarily influenced by large industrial customers and utility scale generation. TLC has also taken an improved approach to assess security of supply constraints as discussed in Section 3.5 and forecast in Section 4.2.4 below.

TLC continues to work closely with its customers to balance affordability and reliability to ensure they are not unduly burdened.

Material changes in our AMP expenditure forecasts

RY26-30

• TLC has taken a pragmatic approach to defer the impact of the growth forecast at Hangatiki GXP. Now that the new milk processing plant is not going ahead, the growth for the iron ore mining company will be accommodated by developing commercial terms and the associated system controls to restrict available capacity under constrained conditions. We will also explore options to increase the contingent capacity of the existing transformers with Transpower. This has allowed TLC to defer the need for immediate investment at Hangatiki GXP (\$12M).

RY31-34

• It is now clear the Hangatiki GXP will exceed its firm capacity in normal operating conditions within the AMP24 planning period, but not as soon as expected in AMP23. These changes will have regional implications and TLC has begun engagement with both Transpower and other regional networks to develop an appropriate solution. Once these forecasts are established, they will then be presented in a future AMP.

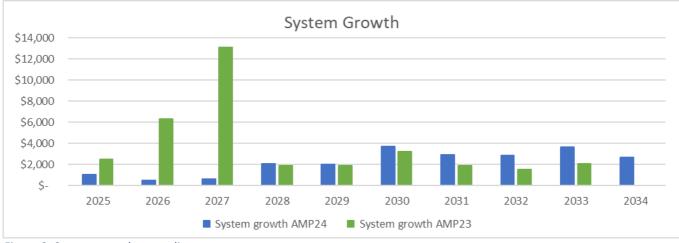


Figure 9: System growth expenditure

5.2.3 Asset Replacement and Renewal

Drivers

The forecast for asset replacement and renewals has been built bottom-up taking a whole of life view of the assets. These forecasts were designed to be able to manage known risks and criticality.

The forecast program has also been designed to allow TLC to establish longer term planning horizons to support the ability to contract accordingly. These renewal programs include Steel Rail, L Shaped Concrete and Larch poles. This will help maintain the balance between reliability, affordability, and deliverability for TLC.

Material changes in our AMP expenditure forecasts

Despite the changes in approach and planning mentioned above, the forecast investment profile aligns closely with that from AMP23.



Figure 10: Asset renewal expenditure

5.2.4 Quality of supply, reliability safety and environment

Drivers

The key drivers here are resilience, security of supply, reliability, and automation. These initiatives are critical to manage our customers' expectations as well as ensure compliance with SAIDI and SAIFI thresholds.

A program of work has been developed to focus specifically on security of supply and this is described in more detail in section 4.5 with the objective being to address all know constraints at "N" security as well making a material impact on improving the ability to restore supply in the event of a single event ("N-1"). Initiatives addressing "N-1" constraints are at both feeder and zone substations.

Resilience also has a specific focus with increased investment forecast in the period from RY26 to RY34.

The pragmatic drive to install new automation also continues to improve reliability.

Material changes in our AMP expenditure forecasts

RY25

• From the graph below, it is clear that there is a step change of investment in this category across the AMP24 planning period. RY25 includes some carryover projects from RY24 which include projects that could not be delivered due to delays in Iwi negotiations and delays caused by third parties. The increase also includes multi-year project seed funding for a number of initiatives planned in the periods after.

RY26-30

- A strong focus on resilience initiatives with investment of \$2.2M pa across the TLC network. This will include initiatives like increased undergrounding, aerial bundle conductor, covered conductors, elevation of infrastructure prone to flooding etc.
- A non-network solution to providing "N-1" security is being proposed for the Mokau feeder, by most likely permanently installing end of feeder generation.
- A number of security of supply projects are forecast to commence in this period and further details are provided in Section 4.5.

RY31-34

- Continued focus on resilience from the RY26 to 30 period. (\$2.2M pa)
- Continued focus on security of supply initiatives covered in Section 4.5

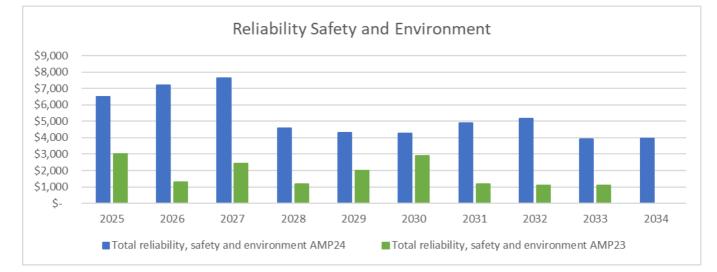


Figure 11: Quality of supply plus reliability, safety and environment expenditure

5.2.5 Non-network assets

Drivers

Non-Network investments support the primary networks business, improve efficiency and enable business improvements.

The key drivers for AMP24 are identified below. There have been increases or changes in timing from AMP23.

- 1. The Digital Utility Project (section 4.4) to upgrade TLC asset systems to streamline and digitise our asset management processes.
- 2. The improvements to renew and improve TLC offices.
- 3. Development and implementation of improved Overhead inspections
 - a. Aerial pole top inspections
 - b. Aerial acoustic surveys
 - c. Aerial LiDAR survey

Material changes in our AMP expenditure forecasts

RY25

- The Digital Utility Project and the improvement to TLC corporate offices get underway with an investment of \$1.7M in RY25.
- RY25 includes carryover \$1.4M made up primarily of pole top inspection and digital utility expenditure.

RY26-30

- The Digital Utility Project continues with further investment of \$2.5M.
- Additional investment of \$3.5M on development of capability including the capture and management of aerial inspection data.

RY31-34

• Ongoing investment of \$2.26M for the development of capability together with capture and management of aerial inspection data.

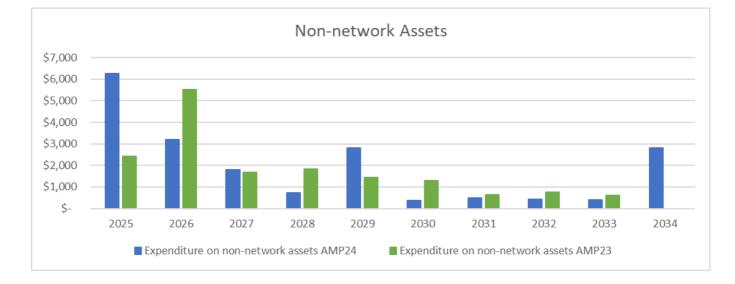
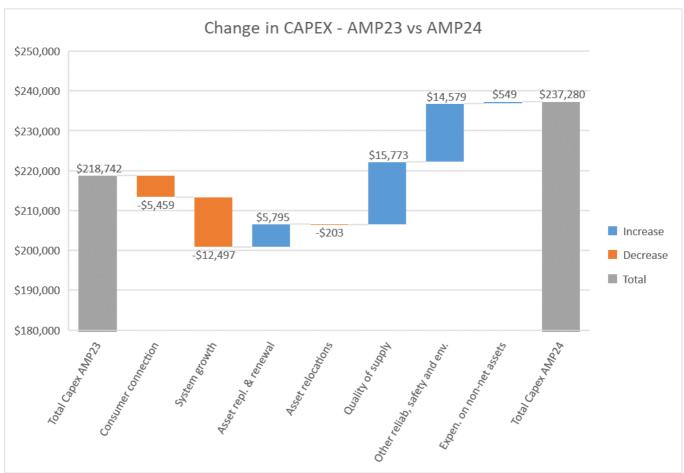


Figure 12: Non network asset expenditure

5.3 Summary of changes in capital expenditure

With the changes in customer demand since AMP23, we have been able to defer the need for a more immediate investment. This will allow TLC to work more closely with the regionally impacted parties to develop a pragmatic solution, which will now likely be implemented in the latter AMP24 period. This investment will be forecast in a future AMP.



The major AMP24 capex changes are discussed in Section 4.6 and the overall category movements are shown in the graph below.

Figure 13: Changes in capital expenditure from the AMP23 vs AMP24

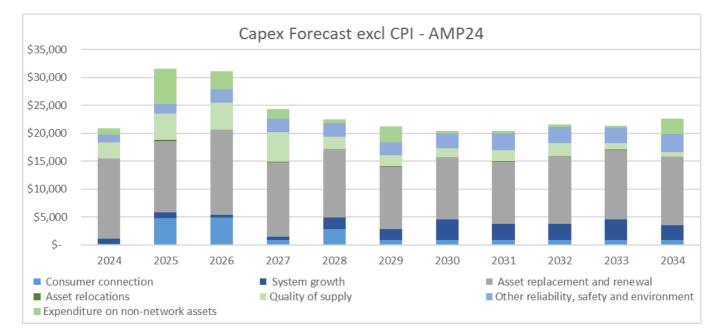


Figure 14: Summary of Total Capital Expenditure

AMP24	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	
Consumer connection	227	4,765	4,865	865	2,865	865	865	865	865	865	865	
System growth	870	1,072	500	600	2,100	2,020	3,705	2,900	2,885	3,670	2,651	
Asset replacement and renewal	14,416	12,816	15,327	13,324	12,260	11,070	11,194	11,151	12,219	12,409	12,357	
Asset relocations	0	150	0	150	0	150	0	150	0	150	0	
Quality of supply Other reliability, safety and	2,866	4,765	4,751	5,256	2,186	1,921	1,521	1,936	2,241	1,216	746	
environment	1,325	1,743	2,450	2,390	2,390	2,400	2,745	2,950	2,925	2,700	3,200	
Expenditure on non-network assets	1,140	6,255	3,187	1,804	722	2,800	379	501	447	396	2,827	
Total Expenditure on Assets	20,844	31,566	31,080	24,389	22,524	21,226	20,409	20,453	21,582	21,406	22,645	
Less Capital Contributions	0	-3,800	-4,000	0	-2,000	0	0	0	0	0	0	
Expenditure on Assets - excl Capital Contributions	20,844	27,766	27,080	24,389	20,524	21,226	20,409	20,453	21,582	21,406	22,645	

Table 5: Total Capital Expenditure

5.4 OPEX - Material changes in each category

In the following section we have outlined the material changes in Network and Non-Network Opex.

All figures are in 000s and in constant values (i.e. they have not been adjusted for CPI).

5.4.1 Network Opex

Network Opex expenditure has been re-evaluated with a focus on pro-active condition monitoring and maintenance practices. As a result, there has been an uplift of around \$500k pa in routine and corrective maintenance and inspections across the entire AMP24 period.

The key areas with changes are RMU inspections, Protection testing, Zone Substation Maintenance, and wooden pole testing.

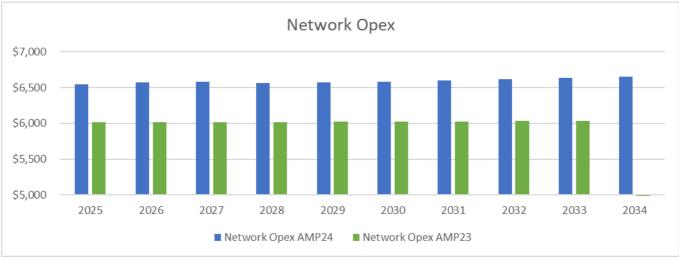


Figure 15: Network Opex

5.4.2 Non-network opex

Non-network opex has had material changes in System operations & network support, and Business Support. The forecast movements are relatively consistent across the AMP24 period and are made up as follows:

- 1. System operations and network support
 - a. Increase in SaaS licenses with Digital Utility Project (+\$1.2M pa).
 - b. Reallocation of meter data acquisition costs from Business Support (+\$800k pa).
 - c. Increases in Engineering and Project Management (+\$1M pa).
- 2. Business Support
 - a. Reallocation of meter data acquisition costs to System operations and network support (-\$800k pa).

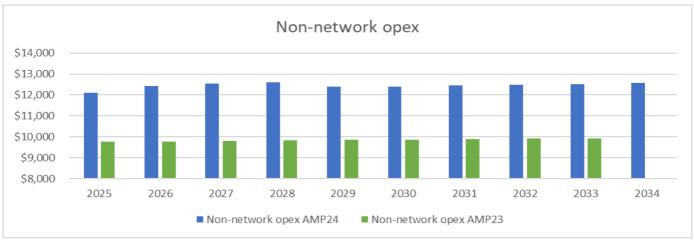


Figure 16: Non-Network Opex

5.5 Summary of changes in operational expenditure

The major AMP24 opex changes are discussed in Section 5.4 and the overall category movements are shown in the graph below.

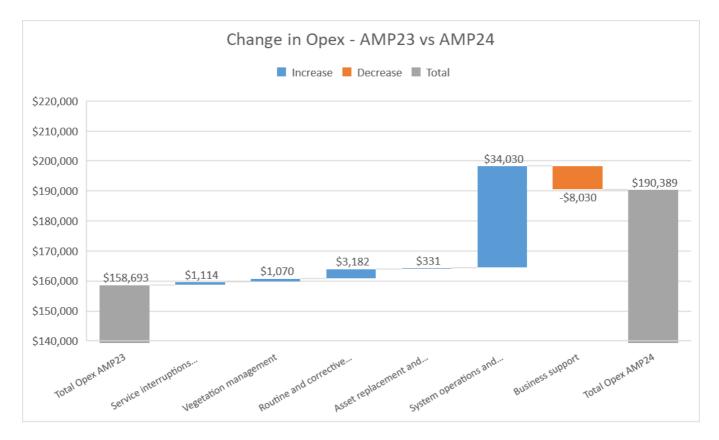


Figure 17: Changes in Opex

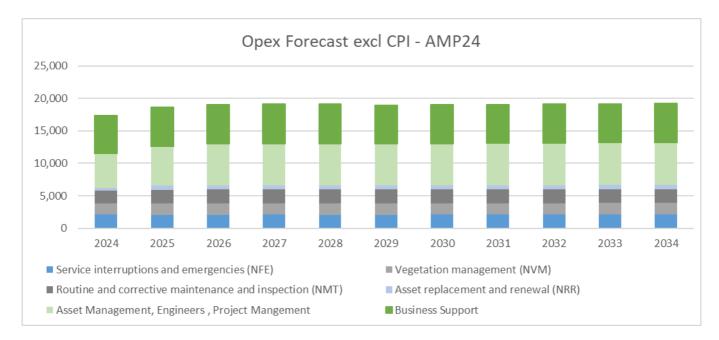


Figure 18: Total operational expenditure

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	
Service interruptions and emergencies (NFE)	2,109	2,067	2,077	2,079	2,072	2,075	2,079	2,084	2,089	2,095	2,102	
Vegetation management (NVM)	1,711	1,747	1,755	1,757	1,751	1,754	1,757	1,761	1,766	1,771	1,776	
Routine and corrective maintenance and inspection (NMT)	1,941	2,118	2,128	2,130	2,123	2,127	2,131	2,135	2,141	2,147	2,154	
Asset replacement and renewal (NRR)	373	613	616	617	615	616	617	618	620	622	624	
Total Network OPEX	6,134	6,544	6,576	6,583	6,560	6,571	6,584	6,599	6,615	6,634	6,655	6
System operations and network support	5,369	6,018	6,393	6,425	6,414	6,437	6,462	6,490	6,521	6,554	6,589	
Business Support	5,890	6,075	6,045	6,127	6,184	5,947	5,947	5,951	5,956	5,963	5,972	6
Total Non Network OPEX	11,259	12,094	12,438	12,552	12,597	12,383	12,410	12,441	12,476	12,516	12,561	
AMP24 Total Opex	17,393	18,638	19,014	19,134	19,158	18,954	18,993	19,039	19,092	19,151	19,216	19

Table 6: Total Operational Expenditure



6 Appendix A – AMP Disclosure Schedules

Number	Report Name
11a	Forecast Capital Expenditure
11b	Forecast Operational Expenditure
12a	Asset Condition
12b	Forecast Capacity
12c	Forecast Network Demand
12d	Interruptions and Duration
14a	Mandatory Explanatory Notes on Forecast Information
17	Directors Certification for Year-Beginning Disclosure

								Co	mpany Name	The	Lines Company	,
									nning Period		024 – 31 March	
S	CHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE											
-	is schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and	a 10 year planning perio	od. The forecasts sho	uld be consistent wi	th the supporting in	formation set out in	the AMP. The forec	ast is to be expressed	in both constant pri	ice and nominal doll	ar terms. Also requir	ed is a forecast
	the value of commissioned assets (i.e., the value of RAB additions)	a 10 year planning peri			the supporting in	formation set out in		ist is to be expressed	in both constant pri		ar terms / uso requi	
	Bs must provide explanatory comment on the difference between constant price and nominal dollar f	precasts of expenditure	on assets in Schedule	14a (Mandatory Ex	planatory Notes). E	OBs must express the	e information in this	schedule (11a) as a sp	ecific value rather t	han ranges. Any sup	porting information	about these
	lues may be disclosed in Schedule 15 (Voluntary Explanatory Notes).											
	is information is not part of audited disclosure information.											
sch re	f											
7		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
		current rear cr	01+1	01+2	C1+3	01+4	01+5	01+0	01+7	C7+8	C1+9	07+10
8												
9	11a(i): Expenditure on Assets Forecast	\$000 (in nominal dol	lars)									
10	Consumer connection	227	4,765	5,035	922	3,131	964	983	1,003	1,023	1,044	1,064
11	System growth	870	1,072	518	640	2,295	2,251	4,212	3,363	3,412	4,428	3,262
12	Asset replacement and renewal	14,416	12,816	15,863	14,204	13,397	12,339	12,726	12,930	14,452	14,970	15,205
13 14	Asset relocations	-	150	-	160	-	167	-	174	-	181	-
14 15	Reliability, safety and environment: Quality of supply	2,866	4,765	4,917	5,603	2,389	2,141	1,729	2,245	2,651	1,467	918
15	Legislative and regulatory	2,000	4,703	4,517	5,005	2,365	2,141	1,729	2,245	2,031	1,407	- 510
17	Other reliability, safety and environment	1,325	1,743	2,536	2,548	2,612	2,675	3,121	3,421	3,460	3,257	3,938
18	Total reliability, safety and environment	4,191	6,508	7,453	8,151	5,000	4,816	4,850	5,666	6,110	4,724	4,856
19	Expenditure on network assets	19,704	25,311	28,869	24,077	23,822	20,537	22,771	23,136	24,998	25,347	24,387
20	Expenditure on non-network assets	1,140	6,255	3,299	1,923	789	3,121	431	581	529	477	3,479
21	Expenditure on assets	20,844	31,566	32,167	26,000	24,612	23,658	23,202	23,717	25,527	25,825	27,866
22					100	174						
23 24	plus Cost of financing less Value of capital contributions	394	506 3,800	577 4,140	482	476 2,185	411	455	463	500	507	488
24 25	plus Value of vested assets	1,800	5,800	4,140	-	2,105		-		-		-
26	plus value of vested assets		-	-1			-			-		
27	Capital expenditure forecast	19,438	28,272	28,605	26,482	22,903	24,069	23,657	24,180	26,027	26,332	28,354
28												
28 29	Assets commissioned	19,385	34,062	25,755	27,708	26,036	24,804	23,142	22,780	25,822	27,762	29,555
29	Assets commissioned											
29 30	Assets commissioned	19,385 Current Year CY	34,062 CY+1	25,755 CY+2	27,708 CY+3	26,036 CY+4	24,804 CY+5	23,142 CY+6	22,780 CY+7	25,822 CY+8	27,762 CY+9	29,555 CY+10
29	Assets commissioned											
29 30	Assets commissioned		CY+1									
29 30 31 32 33	Assets commissioned Consumer connection	Current Year CY \$000 (in constant pri	CY+1 ices) 4,765	CY+2 4,865	CY+3 865	CY+4 2,865	CY+5 865	CY+6 865	CY+7 865	CY+8 865	СҮ+9 865	CY+10 865
29 30 31 32 33 34	Consumer connection System growth	Current Year CY \$000 (in constant pri 227 870	CY+1 ices) 4,765 1,072	CY+2 4,865 500	CY+3 865 600	CY+4 2,865 2,100	CY+5 865 2,020	CY+6 865 3,705	CY+7 865 2,900	CY+8 865 2,885	CY+9 865 3,670	CY+10 865 2,651
29 30 31 32 33 34 35	Consumer connection System growth Asset replacement and renewal	Current Year CY \$000 (in constant pri	CY+1 ices) 4,765 1,072 12,816	CY+2 4,865	CY+3 865 600 13,324	CY+4 2,865	CY+5 865 2,020 11,070	CY+6 865	CY+7 865 2,900 11,151	СҮ+8 865	CY+9 865 3,670 12,409	CY+10 865
29 30 31 32 33 34 35 36	Consumer connection System growth Asset replacement and renewal Asset relocations	Current Year CY \$000 (in constant pri 227 870	CY+1 ices) 4,765 1,072	CY+2 4,865 500	CY+3 865 600	CY+4 2,865 2,100	CY+5 865 2,020	CY+6 865 3,705	CY+7 865 2,900	CY+8 865 2,885	CY+9 865 3,670	CY+10 865 2,651
29 30 31 32 33 34 35 36 37	Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment:	Current Year CY \$000 (in constant pri 227 870 14,416 -	CY+1 ices) 4,765 1,072 12,816 150	CY+2 4,865 500 15,327 -	CY+3 865 600 13,324 150	CY+4 2,865 2,100 12,260 -	CY+5 865 2,020 11,070 150	CY+6 865 3,705 11,194	CY+7 865 2,900 11,151 150	CY+8 865 2,885 12,219 -	CY+9 865 3,670 12,409 150	CY+10 865 2,651 12,357 -
29 30 31 32 33 34 35 36	Consumer connection System growth Asset replacement and renewal Asset relocations	Current Year CY \$000 (in constant pri 227 870	CY+1 ices) 4,765 1,072 12,816	CY+2 4,865 500	CY+3 865 600 13,324	CY+4 2,865 2,100	CY+5 865 2,020 11,070	CY+6 865 3,705	CY+7 865 2,900 11,151	CY+8 865 2,885	CY+9 865 3,670 12,409	CY+10 865 2,651
29 30 31 32 33 34 35 36 37 38 39 40	Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment	Current Year CY \$000 (in constant pri 227 870 14,416 2,866 1,325	CY+1 ices) 4,765 1,072 12,816 150 4,765 - 1,743	CY+2 4,865 500 15,327 - - - - - 2,450	CY+3 865 600 13,324 150 - - 2,390	CY+4 2,865 2,100 12,260 - - - - 2,186 - - 2,390	CY+5 865 2,020 11,070 150 1,921 - 2,400	CY+6 865 3,705 11,194 - 1,521 - 2,745	CY+7 865 2,900 11,151 150 - - 2,955	CY+8 865 2,885 12,219 - - - 2,241 - 2,925	CY+9 865 3,670 12,409 150 1,216 2,700	CY+10 865 2,651 12,357 - - - - - - - - - - - 3,200
29 30 31 32 33 34 35 36 37 38 39 40 41	Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment	Current Year CY \$000 (in constant pri 227 870 14,416 2,866 - 1,325 4,191	CY+1 ices) 4,765 1,072 12,816 150 4,765 - 1,774 6,508	CY+2 4,865 500 15,327 - 4,751 - 2,450 7,201	CY+3 865 600 13,324 150 - 5,256 - 2,390 7,646	CY+4 2,865 2,100 12,260 - 2,186 - 2,390 4,576	CY+5 865 2,020 11,070 150 1,921 - 2,400 4,321	CY+6 865 3,705 11,194 - 1,521 - 2,745 4,266	CY+7 865 2,900 11,151 1,936 - 2,950 4,886	CY+8 865 2,885 12,219	CY+9 865 3,670 12,409 150 1,216 - 2,700 3,916	CY+10 865 2,651 12,357 - 746 - - 3,200 3,946
29 30 31 32 33 34 35 36 37 38 39 40 41 42	Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets	Current Year CY \$000 (in constant pri 227 870 14,416 2,866 1,325 4,191 19,704	CY+1 ices) 4,765 1,072 12,816 150 4,765 - 1,743 6,508 25,311	CY+2 4,865 500 15,327 - 4,751 - 2,450 7,201 27,893	CY+3 865 600 13,324 150 5,256 2,390 7,646 22,585	CY+4 2,865 2,100 12,260 - 2,186 - 2,390 4,576 21,801	CY+5 865 2,020 11,070 150 1,921 - 2,400 4,321 18,426	CY+6 865 3,705 11,194 - 1,521 - 2,745 4,266 20,030	CY+7 865 2,900 11,151 1,936 - 2,950 4,886 19,952	CY+8 865 2,885 12,219 2,241 2,242 2,245 2,135	CY+9 865 3,670 12,409 150 1,216 2,700 3,916 21,010	CY+10 865 2,651 12,357 - 746 - 3,200 3,920 3,946 19,818
29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Expenditure on non-network assets	Current Year CY \$000 (in constant pri 227 870 14,416 - - 1,325 4,191 19,704 1,140	CY+1 ices) 4,765 1,072 12,816 150 4,765 - 1,743 6,508 25,311 6,255	CY+2 4,865 500 15,327 - - - - 2,450 7,201 2,7,893 3,187	CY+3 865 600 13,324 150 - 2,390 7,646 22,585 1,804	CY+4 2,865 2,100 12,260 - 2,186 - 2,390 4,576 21,801 722	CY+5 865 2,020 11,070 150 - 2,400 4,321 18,426 2,800	CY+6 865 3,705 11,194	CY+7 865 2,900 11,151 150 - 1,936 - 2,950 4,886 19,952 5,01	CY+8 865 2,885 12,219 2,241 2,925 5,166 21,135 447	CY+9 865 3,670 12,409 150 1,216 2,700 3,916 21,010 386	CY+10 865 2,651 12,357 746 746 3,200 3,946 19,818 2,827
29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44	Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets	Current Year CY \$000 (in constant pri 227 870 14,416 2,866 1,325 4,191 19,704	CY+1 ices) 4,765 1,072 12,816 150 4,765 - 1,743 6,508 25,311	CY+2 4,865 500 15,327 - 4,751 - 2,450 7,201 27,893	CY+3 865 600 13,324 150 5,256 2,390 7,646 22,585	CY+4 2,865 2,100 12,260 - 2,186 - 2,390 4,576 21,801	CY+5 865 2,020 11,070 150 1,921 - 2,400 4,321 18,426	CY+6 865 3,705 11,194 - 1,521 - 2,745 4,266 20,030	CY+7 865 2,900 11,151 1,936 - 2,950 4,886 19,952	CY+8 865 2,885 12,219 2,241 2,242 2,245 2,135	CY+9 865 3,670 12,409 150 1,216 2,700 3,916 21,010	CY+10 865 2,651 12,357 - 746 - 3,200 3,946 19,818
29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45	Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Expenditure on non-network assets Expenditure on assets	Current Year CY \$000 (in constant pri 227 870 14,416 - - 1,325 4,191 19,704 1,140	CY+1 ices) 4,765 1,072 12,816 150 4,765 - 1,743 6,508 25,311 6,255	CY+2 4,865 500 15,327 - - - - 2,450 7,201 2,7,893 3,187	CY+3 865 600 13,324 150 - 2,390 7,646 22,585 1,804	CY+4 2,865 2,100 12,260 - 2,186 - 2,390 4,576 21,801 722	CY+5 865 2,020 11,070 150 - 2,400 4,321 18,426 2,800	CY+6 865 3,705 11,194	CY+7 865 2,900 11,151 150 - 1,936 - 2,950 4,886 19,952 5,01	CY+8 865 2,885 12,219 2,241 2,925 5,166 21,135 447	CY+9 865 3,670 12,409 150 1,216 2,700 3,916 21,010 386	CY+10 865 2,651 12,357 746 746 3,200 3,946 19,818 2,827
29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44	Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Expenditure on non-network assets	Current Year CY \$000 (in constant pri 227 870 14,416 - - 2,866 - 1,325 4,191 19,704 1,140 20,844	CY+1 ices) 4,765 1,072 12,816 150 	CY+2 4,865 500 15,327 - 4,751 - 2,450 7,201 7,201 7,203 3,187 3,1080	CY+3 865 600 13,324 150 5,256 2,390 7,646 22,585 1,804 24,389	CY+4 2,865 2,100 12,260 - 2,186 - 2,390 4,576 21,801 722	CY+5 865 2,020 11,070 150 - 2,400 4,321 18,426 2,800	CY+6 865 3,705 11,194	CY+7 865 2,900 11,151 150 - 1,936 - 2,950 4,886 19,952 5,01	CY+8 865 2,885 12,219 2,241 2,925 5,166 21,135 447	CY+9 865 3,670 12,409 150 1,216 2,700 3,916 21,010 386	CY+10 865 2,651 12,357 746 746 3,200 3,946 19,818 2,827
29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45	Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on non-network assets Expenditure on non-network assets Expenditure on assets	Current Year CY \$000 (in constant pri 227 870 14,416 - - 2,866 - 1,325 4,191 19,704 1,140 20,844	CY+1 ices) 4,765 1,072 12,816 150 	CY+2 4,865 500 15,327 - 4,751 - 2,450 7,201 7,201 7,203 3,187 3,1080	CY+3 865 600 13,324 150 5,256 2,390 7,646 22,585 1,804 24,389	CY+4 2,865 2,100 12,260 - 2,186 - 2,390 4,576 21,801 722	CY+5 865 2,020 11,070 150 - 2,400 4,321 18,426 2,800	CY+6 865 3,705 11,194	CY+7 865 2,900 11,151 150 - 1,936 - 2,950 4,886 19,952 5,01	CY+8 865 2,885 12,219 2,241 2,925 5,166 21,135 447	CY+9 865 3,670 12,409 150 1,216 2,700 3,916 21,010 386	CY+10 865 2,651 12,357 - - - 3,200 3,946 19,818 2,827
29 30 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 5 46 45 46 47 48	Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Expenditure on network assets Expenditure on nastes Expenditure on assets	Current Year CY \$000 (in constant pri 227 870 14,416 - - 2,866 - 1,325 4,191 19,704 1,140 20,844	CY+1 ices) 4,765 1,072 12,816 150 	CY+2 4,865 500 15,327 - 4,751 - 2,450 7,201 7,201 7,203 3,187 3,1080	CY+3 865 600 13,324 150 5,256 2,390 7,646 22,585 1,804 24,389	CY+4 2,865 2,100 12,260 - 2,186 - 2,390 4,576 21,801 722	CY+5 865 2,020 11,070 150 - 2,400 4,321 18,426 2,800	CY+6 865 3,705 11,194	CY+7 865 2,900 11,151 150 - 1,936 - 2,950 4,886 19,952 5,01	CY+8 865 2,885 12,219 2,241 2,925 5,166 21,135 447	CY+9 865 3,670 12,409 150 1,216 2,700 3,916 21,010 386	CY+10 865 2,651 12,357 - - 3,200 3,946 19,818 2,827
29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 45 46 47 48 49	Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Expenditure on network assets Expenditure on non-network assets Expenditure on nassets Subcomponents of expenditure on assets (where known) *EDBs' must disclose both a public version of this Schedule (excluding cybersecurity cost date Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion Research and development	Current Year CY \$000 (in constant pri 227 870 14,416 - - 2,866 - 1,325 4,191 19,704 1,140 20,844	CY+1 ices) 4,765 1,072 12,816 150 	CY+2 4,865 500 15,327 - 4,751 - 2,450 7,201 7,201 7,203 3,187 3,1080	CY+3 865 600 13,324 150 5,256 2,390 7,646 22,585 1,804 24,389	CY+4 2,865 2,100 12,260 - 2,186 - 2,390 4,576 21,801 722	CY+5 865 2,020 11,070 150 - 2,400 4,321 18,426 2,800	CY+6 865 3,705 11,194	CY+7 865 2,900 11,151 150 - 1,936 - 2,950 4,886 19,952 5,01	CY+8 865 2,885 12,219 2,241 2,925 5,166 21,135 447	CY+9 865 3,670 12,409 150 1,216 2,700 3,916 21,010 386	CY+10 865 2,651 12,357 - - 3,200 3,946 19,818 2,827
29 30 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 5 46 45 46 47 48	Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Expenditure on non-network assets Expenditure on non-network assets Expenditure on assets Subcomponents of expenditure on assets (where known) *EDBs' must disclose both a public version of this Schedule (excluding cybersecurity cost date Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion	Current Year CY \$000 (in constant pri 227 870 14,416 - - 2,866 - 1,325 4,191 19,704 1,140 20,844	CY+1 ices) 4,765 1,072 12,816 150 	CY+2 4,865 500 15,327 - 4,751 - 2,450 7,201 7,201 7,203 3,187 3,1080	CY+3 865 600 13,324 150 5,256 2,390 7,646 22,585 1,804 24,389	CY+4 2,865 2,100 12,260 - 2,186 - 2,390 4,576 21,801 722	CY+5 865 2,020 11,070 150 - 2,400 4,321 18,426 2,800	CY+6 865 3,705 11,194	CY+7 865 2,900 11,151 150 - 1,936 - 2,950 4,886 19,952 5,01	CY+8 865 2,885 12,219 2,241 2,925 5,166 21,135 447	CY+9 865 3,670 12,409 150 1,216 2,700 3,916 21,010 386	CY+10 865 2,651 12,357 - - 3,200 3,946 19,818 2,827

									mpany Name		Lines Company	
								AMP Pla	nning Period	1 April 20	024 – 31 March	2034
This of t EDE	HEDULE 11a: REPORT ON FORECAST CAPITAL EXI schedule requires a breakdown of forecast expenditure on assets for the currer te value of commissioned assets (i.e., the value of RAB additions) s must provide explanatory comment on the difference between constant price es may be disclosed in Schedule 15 (Voluntary Explanatory Notes).	nt disclosure year and a 10 year planning pe										
	information is not part of audited disclosure information.											
sch ref												
Í												
52 53		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	СҮ+6	CY+7	CY+8	CY+9	CY+10
54	Difference between nominal and constant price forecasts	\$000										
55	Consumer connection		-	170	57	266	99	118	138	158	179	199
56 57	System growth		-	18 536	40 880	195 1,137	231	507	463	527	758 2,562	611
57 58	Asset replacement and renewal Asset relocations			536	880	1,137	1,268	1,532	1,779	2,233	2,562	2,849
59	Reliability, safety and environment:			II	10		1/		24		51	
60	Quality of supply	-	-	166	347	203	220	208	309	410	251	172
61	Legislative and regulatory	-	-	-	-	-	-	-	-	-	-	
62	Other reliability, safety and environment	· · · · ·	-	86	158	222	275	376	471	535	557	738
63	Total reliability, safety and environment		-	252	505	424	495	584	780	944	808	910
64 65	Expenditure on network assets Expenditure on non-network assets		-	976 112	1,492 119	2,021 67	2,111 321	2,741 52	3,184 80	3,863 82	4,337 82	4,569 652
03			-	112			521	52	00 J	02		
66	Expenditure on assets	-		1.088		2.088	2 4 3 2	2 793	3 264	3 945	4 4 1 9	5 221
66 67 68 69	Expenditure on assets Commentary on options and considerations made in the as EDBs may provide explanatory comment on the options they have	-	- sessing forecast expe	1,088 enditure on assets for ti	1,611	2,088 e year and a 10 year	2,432 planning period in S	2,793 Schedule 15	3,264	3,945	4,419	5,221
67 68 69 70 71	Commentary on options and considerations made in the a	e considered (including scenarios used) in as		enditure on assets for ti	1,611	e year and a 10 year	planning period in S		3,264	3,945	4,419	5,221
67 68 69 70 71 72	Commentary on options and considerations made in the as EDBs may provide explanatory comment on the options they have	-	- sessing forecast expe CY+1	<u> </u>	1,611				3,264	3,945	4,419	5,221
67 68 69 70 71 72 73	Commentary on options and considerations made in the as EDBs may provide explanatory comment on the options they have 11a(ii): Consumer Connection	e considered (including scenarios used) in as: Current Year CY	CY+1	enditure on assets for ti	1,611	e year and a 10 year	planning period in S		3,264	3,945	4,419	5,221
67 68 69 70 71 72 73 73 74	Commentary on options and considerations made in the as EDBs may provide explanatory comment on the options they have 11a(ii): Consumer Connection	e considered (including scenarios used) in as Current Year CY \$000 (in constant p	CY+1	enditure on assets for th CY+2	1,611 he current disclosur CY+3	e year and a 10 year CY+4	planning period in S CY+5		3,264	3,945	4,419	5,221
67 68 69 70 71 72 73 74 75	Commentary on options and considerations made in the as EDBs may provide explanatory comment on the options they have 11a(ii): Consumer Connection Consumer types defined by EDB* NXC: 1 - Standard Connection - High Density	e considered (including scenarios used) in as: Current Year CY	CY+1 rrices) 692	enditure on assets for ti CY+2 692	1,611 he current disclosur CY+3 692	e year and a 10 year CY+4 692	planning period in S CY+5 692		3,264	3,945	4,419	5,221
67 68 69 70 71 72 73 74 75 76	Commentary on options and considerations made in the as EDBs may provide explanatory comment on the options they have 11a(ii): Consumer Connection Consumer types defined by EDB* NXC: 1 - Standard Connection - High Density NXC: 2 - Standard Connection - Low Density	e considered (including scenarios used) in as Current Year CY \$000 (in constant p	CY+1 rices) 692 173	CY+2 692 173	1,611 he current disclosur CY+3	e year and a 10 year CY+4 692 173	planning period in S CY+5		3,264	3,945	4,419	5,221
67 68 69 70 71 72 73 73 74 75	Commentary on options and considerations made in the as EDBs may provide explanatory comment on the options they have 11a(ii): Consumer Connection Consumer types defined by EDB* NXC: 1 - Standard Connection - High Density	e considered (including scenarios used) in as Current Year CY \$000 (in constant p	CY+1 rrices) 692	enditure on assets for ti CY+2 692	1,611 he current disclosur CY+3 692	e year and a 10 year CY+4 692	planning period in S CY+5 692		3,264	3,945	4,419	5,221
67 68 69 70 71 72 73 73 74 75 76 77 78 79	Commentary on options and considerations made in the as EDBs may provide explanatory comment on the options they have 11a(ii): Consumer Connection Consumer types defined by EDB* NXC: 1 - Standard Connection - High Density NXC: 2 - Standard Connection - Low Density	e considered (including scenarios used) in as Current Year CY \$000 (in constant p	CY+1 rices) 692 173	CY+2 692 173	1,611 he current disclosur CY+3 692	e year and a 10 year CY+4 692 173	planning period in S CY+5 692		3,264	3,945	4,419	5,221
67 68 69 70 71 72 73 74 75 76 77 78 79 80	Commentary on options and considerations made in the as EDBs may provide explanatory comment on the options they have 111a(ii): Consumer Connection Consumer types defined by EDB* NXC: 1 - Standard Connection - High Density NXC: 2 - Standard Connection - Low Density NXC: 3 - Non-standard connection 	considered (including scenarios used) in as Current Year CY \$000 (in constant p 227 - - - - - - - -	CY+1 rices) 692 173 3,900 - -	enditure on assets for tr CY+2 692 173 4,000 - -	1,611 he current disclosur CY+3 692 173	e year and a 10 year CY+4 692 173 2,000 - - -	planning period in S CY+5 692 173 - - - - - -		3,264	3,945	4,419	5,221
67 68 69 70 71 72 73 74 75 76 77 78 79 80 81	Commentary on options and considerations made in the as EDBs may provide explanatory comment on the options they have 11a(ii): Consumer Connection Consumer types defined by EDB* NXC: 1 - Standard Connection - High Density NXC: 2 - Standard Connection - High Density NXC: 3 - Non-standard connection *include additional rows if needed Consumer connection expenditure	e considered (including scenarios used) in as Current Year CY \$000 (in constant p	CY+1 rices) 692 173 3,900 - - - - 4,765	enditure on assets for tr CY+2 173 4,000 - - - - - - - - - - -	1,611 he current disclosur CY+3 692	e year and a 10 year CY+4 692 173 2,000 - - - - 2,865	planning period in S CY+5 692		3,264	3,945	4,419	5,221
67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82	Consumer types defined by EDB* NXC: 1 - Standard Connection - High Density NXC: 2 - Standard Connection - High Density NXC: 3 - Non-standard connection - Low Density NXC: 3 - Non-standard connection *include additional rows if needed Consumer connection expenditure Less Capital contributions funding consumer connection	considered (including scenarios used) in as Current Year CY Sooo (in constant p 227	CY+1 rices) 692 173 3,900 - - - - - - - - - - - - - - - - - -	enditure on assets for th CY+2 692 173 4,000 - - - - - - - - - - - - - - - - - -	1,611 he current disclosur CY+3 692 173 865	e year and a 10 year CY+4 692 173 2,000 - - - - - - - - - - - - - - - - - -	CY+5 CY+5 692 173 - - - - - - - - - - - - -		3,264	3,945	4,419	5,221
67 68 70 71 72 73 74 75 76 77 78 79 80 81	Commentary on options and considerations made in the as EDBs may provide explanatory comment on the options they have 11a(ii): Consumer Connection Consumer types defined by EDB* NXC: 1 - Standard Connection - High Density NXC: 2 - Standard Connection - High Density NXC: 3 - Non-standard connection *include additional rows if needed Consumer connection expenditure	considered (including scenarios used) in as Current Year CY \$000 (in constant p 227 - - - - - - - -	CY+1 rices) 692 173 3,900 - - - - 4,765	enditure on assets for tr CY+2 173 4,000 - - - - - - - - - - -	1,611 he current disclosur CY+3 692 173	e year and a 10 year CY+4 692 173 2,000 - - - - 2,865	planning period in S CY+5 692 173 - - - - - -		3,264	3,945	4,419	5,221
67 68 69 70 71 72 73 74 75 76 77 78 80 81 81 82 83 83	Consumer types defined by EDB* NXC: 1 - Standard Connection - High Density NXC: 2 - Standard Connection - High Density NXC: 3 - Non-standard connection - Low Density NXC: 3 - Non-standard connection *include additional rows if needed Consumer connection expenditure Less Capital contributions funding consumer connection	considered (including scenarios used) in as Current Year CY Sooo (in constant p 227	CY+1 rices) 692 173 3,900 - - - - - - - - - - - - - - - - - -	enditure on assets for th CY+2 692 173 4,000 - - - - - - - - - - - - - - - - - -	1,611 he current disclosur CY+3 692 173 865	e year and a 10 year CY+4 692 173 2,000 - - - - - - - - - - - - - - - - - -	CY+5 CY+5 692 173 - - - - - - - - - - - - -		3,264	3,945	4,419	5,221
67 68 69 70 71 72 73 74 75 76 77 78 80 81 82 83 84 82 83	Commentary on options and considerations made in the as EDBs may provide explanatory comment on the options they have 11a(ii): Consumer Connection Consumer types defined by EDB* NXC: 1 - Standard Connection - High Density NXC: 2 - Standard Connection - Low Density NXC: 3 - Non-standard connection NXC: 3 - Non-standard connection *include additional rows if needed Consumer connection expenditure less Capital contributions funding consumer connection Consumer connection less capital contributions 11a(iii): System Growth Subtransmission	considered (including scenarios used) in as Current Year CY \$000 (in constant p 227 - - 227 - 227 - 227 - 227 - 227 - 227 - - 227 - - - - - - - - - - - - -	CY+1 rices) 692 173 3,900 - - - 4,765 3,800 965	enditure on assets for tr CY+2 692 173 4,000 4,865 4,000 865	1,611 he current disclosur CY+3 692 173 - - - 865 - 865 - - - -	e year and a 10 year CY+4 692 173 2,000 - 2,865 2,000 865	elanning period in S CY+5 (CY+5 (173) - - - - - 865 - 865 - 865 - 120		3,264	3,945	4,419	5,221
67 68 69 70 71 72 73 74 75 75 76 77 78 80 81 82 83 84 85 88	Commentary on options and considerations made in the as EDBs may provide explanatory comment on the options they have 111a(ii): Consumer Connection Consumer types defined by EDB* NXC: 1 - Standard Connection - High Density NXC: 2 - Standard Connection - Low Density NXC: 3 - Non-standard Connection NXC: 3 - Non-standard Connection *include additional rows if needed Consumer connection less capital contributions 111a(ii): System Growth Subtransmission Zone substations	e considered (including scenarios used) in as Current Year CY S000 (in constant p 227 227 227 227 227 20 227 20 227 20 227 20 227 20 227 20 20	CY+1 rices) 692 173 3,900 - - - - - - - - - - - - - - - - - -	enditure on assets for th CY+2 692 173 4,000 - - - - - - - - - - - - - - - - - -	1,611 he current disclosur CY+3 692 173 865	e year and a 10 year CY+4 692 173 2,000 - - - - - - - - - - - - - - - - - -	eplanning period in 5 CY+5 692 173 - - - - - 865 - 865		3,264	3,945	4,419	5,221
67 68 69 70 71 72 73 74 75 76 77 78 80 81 82 83 84 85 86 87	Commentary on options and considerations made in the as EDBs may provide explanatory comment on the options they have Summer types defined by EDB* NXC: 1 - Standard Connection - High Density NXC: 2 - Standard Connection - Hop Density NXC: 2 - Standard Connection NXC: 3 - Non-standard connection Consumer connection expenditure Less Capital contributions funding consumer connection Consumer connection less capital contributions Subtransmission Zone substations Distribution and LV lines	considered (including scenarios used) in as Current Year CY \$000 (in constant p 227 - - 227 - 227 - 227 - 227 - 227 - 227 - - 227 - - - - - - - - - - - - -	CY+1 rices) 692 173 3,900 - - - 4,765 3,800 965	enditure on assets for tr CY+2 692 173 4,000 4,865 4,000 865	1,611 he current disclosur CY+3 692 173 - - - 865 - 865 - - - -	e year and a 10 year CY+4 692 173 2,000 - 2,865 2,000 865	elanning period in S CY+5 (CY+5 (173) - - - - - 865 - 865 - 865 - 120		3,264	3,945	4,419	5,221
67 68 69 70 71 72 73 73 73 73 75 76 77 78 80 81 82 83 83 84 85 86 87 88	Commentary on options and considerations made in the as EDBs may provide explanatory comment on the options they have 11a(ii): Consumer Connection Consumer types defined by EDB* NXC: 1 - Standard Connection - High Density NXC: 2 - Standard Connection - Low Density NXC: 3 - Non-standard connection 	e considered (including scenarios used) in as Current Year CY S000 (in constant p 227 227 227 227 227 20 227 20 227 20 227 20 227 20 227 20 20	CY+1 rices) 692 173 3,900 - - - 4,765 3,800 965	enditure on assets for tr CY+2 692 173 4,000 4,865 4,000 865	1,611 he current disclosur CY+3 692 173 - - - 865 - 865 - - - -	e year and a 10 year CY+4 692 173 2,000 - 2,865 2,000 865	elanning period in S CY+5 (CY+5 (173) - - - - - 865 - 865 - 865 - 120		3,264	3,945	4,419	5,221
67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 83 84 85 86 87 88 88 89	Commentary on options and considerations made in the as EDBs may provide explanatory comment on the options they have 11a(ii): Consumer Connection Consumer types defined by EDB* NXC: 1 - Standard Connection - High Density NXC: 2 - Standard Connection - Low Density NXC: 3 - Non-standard connection - Low Density NXC: 3 - Non-standard connection - Low Density NXC: 3 - Non-standard connection 	e considered (including scenarios used) in as Current Year CY S000 (in constant p 227 227 227 227 227 20 227 20 227 20 227 20 227 20 227 20 20	CY+1 rices) 692 173 3,900 - - - 4,765 3,800 965	enditure on assets for tr CY+2 692 173 4,000 4,865 4,000 865	1,611 he current disclosur CY+3 CY+3 CY+3 865 865 - 865	e year and a 10 year CY+4 692 173 2,000 - - 2,865 2,000 865 - 1,740 - 1,740 - 1,740 - -	elanning period in S CY+5 (CY+5 (173) - - - - - 865 - 865 - 865 - 120		3,264	3,945	4,419	5,221
67 68 69 70 71 72 73 73 73 74 75 76 77 78 80 81 82 83 84 85 86 87 88	Commentary on options and considerations made in the as EDBs may provide explanatory comment on the options they have 11a(ii): Consumer Connection Consumer types defined by EDB* NXC: 1 - Standard Connection - High Density NXC: 2 - Standard Connection - Low Density NXC: 3 - Non-standard connection 	e considered (including scenarios used) in as Current Year CY S000 (in constant p 227 227 227 227 227 20 227 20 227 20 227 20 227 20 227 20 20	CY+1 rices) 692 173 3,900 - - - 4,765 3,800 965	enditure on assets for tr CY+2 692 173 4,000 4,865 4,000 865	1,611 he current disclosur CY+3 692 173 - - - 865 - 865 - - - -	e year and a 10 year CY+4 692 173 2,000 - 2,865 2,000 865	elanning period in S CY+5 (CY+5 (173) - - - - - 865 - 865 - 865 - 120		3,264	3,945	4,419	5,221
67 68 69 70 71 72 73 74 75 76 77 78 80 81 82 83 84 85 86 88 88 89 90 91 92	Commentary on options and considerations made in the as EDBs may provide explanatory comment on the options they have Consumer types defined by EDB* NXC: 1 - Standard Connection - High Density NXC: 2 - Standard Connection - High Density NXC: 3 - Non-standard connection NXC: 3 - Non-standard connection *include additional rows if needed Consumer connection expenditure less Capital contributions funding consumer connection Consumer connection less capital contributions Consumer connection less capital contributions Subtransmission Zone substations Distribution and LV cables Distribution substations and transformers Distribution substations and transformers Distribution substations	e considered (including scenarios used) in as Current Year CY S000 (in constant p 227 227 227 227 227 20 227 20 227 20 227 20 227 20 227 20 20	CY+1 rices) 692 173 3,900 - - - 4,765 3,800 965	enditure on assets for tr CY+2 692 173 4,000 4,865 4,000 865	1,611 he current disclosur CY+3 CY+3 CY+3 865 865 - 865	e year and a 10 year CY+4 692 173 2,000 - - 2,865 2,000 865 - 1,740 - 1,740 - 1,740 - -	elanning period in S CY+5 (CY+5 (173) - - - - - 865 - 865 - 865 - 120		3,264	3,945	4,419	5,221
67 68 69 70 71 72 73 74 75 76 77 78 80 81 82 83 84 83 84 85 86 88 88 88 89 90 90 91	Commentary on options and considerations made in the as EDBs may provide explanatory comment on the options they have Second Second S	e considered (including scenarios used) in as Current Year CY S000 (in constant p 227	CY+1 rices) 992 173 3,900 4,765 3,800 965 1,072	enditure on assets for tr CY+2 692 173 4,000 4,865 4,000 865 4,000 865 - - - - - - - - -	1,611 he current disclosur CY+3 CY+3 CY+3 CY+3 CY+3 CY+3 CY+3 CY+3	e year and a 10 year CY+4 692 173 2,000 - - 2,865 2,000 865 - 1,740 - 1,740 - - - - - - - - - - - - -	2000 crv+5 c		3,264	3,945	4,419	5,221

							Company Name	The Lines Company 1 April 2024 – 31 March 2034
							AMP Planning Period	1 April 2024 – 31 March 2034
SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDI [®] This schedule requires a breakdown of forecast expenditure on assets for the current disclosu 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 nomil values may be disclosed in Schedule 15 (Voluntary Explanatory Notes).	re year and a 10 year planning period							
This information is not part of audited disclosure information.								
ef								
	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5		
11a(iv): Asset Replacement and Renewal	\$000 (in constant pric	ecl						
Subtransmission	935	296	241	-	-	-		
Zone substations	723	1,270	3,413	1,462	1,149	190		
Distribution and LV lines	11,128	7,033	9,172	9,257	8,806	8,743		
Distribution and LV cables	946	831	145	348	348	400		
Distribution substations and transformers	206	2,765 525	1,886 375	1,786	1,786	1,566		
Distribution switchgear Other network assets	2/5	96	375	375 96	75 96	75 96		
Asset replacement and renewal expenditure	14,416	12,816	15,327	13,324	12,260	11,070		
less Capital contributions funding asset replacement and renewal	-	-	-	-	-	-		
Asset replacement and renewal less capital contributions	14,416	12,816	15,327	13,324	12,260	11,070		
	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5		
11a(v): Asset Relocations								
Project or programme*	\$000 (in constant pric							
NXL: 1 - Miscellaneous	-	150	-	150	-	150		
		-	-	-	-			
			-	-				
	-	-	-	-	-	-		
*include additional rows if needed								
All other project or programmes - asset relocations	-	-	-	-	-	-		
Asset relocations expenditure	-	150	-	150	-	150		
less Capital contributions funding asset relocations Asset relocations less capital contributions	-	150	-	150	-	150		
	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5		
11a(vi): Quality of Supply								
Project or programme*	\$000 (in constant pric	ecl						
	1,162	100	100	100	100	100		
NXEQ: 1 - 11kV Fdr Development - Feeders	1,102		1,145	915	700	300		
	919	1,720	1,145	515	700			
NXEQ: 1 - 11kV Fdr Development - Feeders NXEQ: 2 - Network sectionalisation and automation NXEQ: 3 - Security of supply improvement	919	425	2,050	4,050	870	1,455		
NXEQ: 1 - 11kV Fdr Development - Feeders NXEQ: 2 - Network sectionalisation and automation NXEQ: 3 - Security of supply improvement NXEQ: 4 - Zone substation improvement		425 2,340	2,050 1,356	4,050 91	870 266	1,455 16		
NXEQ: 1 - 11kV Fdr Development - Feeders NXEQ: 2 - Network sectionalisation and automation NXEQ: 3 - Security of supply improvement NXEQ: 4 - Zone substation improvement NXEQ: 5 - Scada and Radio improvement	919	425	2,050	4,050	870	1,455		
NXEQ: 1 - 11kV Fdr Development - Feeders NXEQ: 2 - Network sectionalisation and automation NXEQ: 3 - Security of supply improvement NXEQ: 4 - Zone substation improvement NXEQ: 5 - Scada and Radio improvement *include additional rows if needed	919	425 2,340	2,050 1,356	4,050 91	870 266	1,455 16		
NXEQ: 1 - 11kV Fdr Development - Feeders NXEQ: 2 - Network sectionalisation and automation NXEQ: 3 - Security of supply improvement NXEQ: 4 - Zone substation improvement NXEQ: 5 - Scada and Radio improvement *include additional rows if needed All other projects or programmes - quality of supply	919	425 2,340	2,050 1,356	4,050 91	870 266	1,455 16		
NXEQ: 1 - 11kV Fdr Development - Feeders NXEQ: 2 - Network sectionalisation and automation NXEQ: 3 - Security of supply improvement NXEQ: 4 - Zone substation improvement NXEQ: 5 - Scada and Radio improvement *include additional rows if needed	919 - 785 - -	425 2,340 180	2,050 1,356 100	4,050 91 100	870 266 250	1,455 16 50		

Company Name The Lines Company
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 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 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.

140 141		Current Yes	ar CY	CY+1	CY+2	CY+3	CY+4	CY+5
141								
142	11a(vii): Legislative and Regulatory							
143	Project or programme*	\$000 (in con	stant prices)				
144	· · · · · · · · · · · · · · · · · · ·		-	-	-	-	-	-
145 146			-	-	-	-	-	-
146 147					-	-		-
148			-	-	-	-	_	
149	*include additional rows if needed							
150	All other projects or programmes - legislative and regulatory		-	-	-	-	-	-
151	Legislative and regulatory expenditure		-	-	-	-	-	-
152 153	less Capital contributions funding legislative and regulatory		-		-	-	-	-
155	Legislative and regulatory less capital contributions		-	-	-	-	-	-
155		Current Yes	ar CV	CY+1	CY+2	CY+3	CY+4	CY+5
133		current rea		0771	CITZ	01+5	01+4	01+5
156	11a(viii): Other Reliability, Safety and Environment							
157	Project or programme*	\$000 (in con	stant prices)				
158	NXEO: 1 - 11kV Fdr Dev - Switchgear, Cables		167	340	1,600	1,600	1,600	1,600
159	NXEO: 2 - Sub and 33kV Dev - Substations		11	-	850	790	790	800
160	NXEO: 3 - Sub and 33kVDev -Supply Points		39	-	-	-	-	-
161 162	NXEO: 4 - Tx & Service Boxes - GMT, 2 Pole Structures NXEO: 5 - SCADA, Radio, Data Systems, Other		1,108	1,403	-	-		-
163	*include additional rows if needed		-		-			
164	All other projects or programmes - other reliability, safety and env	vironment	-	-	-	-	-	-
165	Other reliability, safety and environment expenditure		1,325	1,743	2,450	2,390	2,390	2,400
166	less Capital contributions funding other reliability, safety and environm		-	-	-	-	-	-
167 168	Other reliability, safety and environment less capital contributions		1,325	1,743	2,450	2,390	2,390	2,400
100								· · · · ·
								· · · · ·
169		Current Yee	ar CY	CY+1	CY+2	CY+3	CY+4	CY+5
		Current Ye	ar CY	CY+1	CY+2	CY+3	CY+4	
170	11a(ix): Non-Network Assets	Current Ye	ar CY	CY+1	CY+2	СҮ+3	CY+4	
170 171	11a(ix): Non-Network Assets Routine expenditure	Current Ye	ar CY	CY+1	CY+2	СҮ+З	CY+4	
170 171 172	11a(ix): Non-Network Assets Routine expenditure Project or programme*	Current Yes \$000 (in con			CY+2	СҮ+З	CY+4	
170 171 172 173 174	Routine expenditure Project or programme* NXNR: 1 - Eng & Asset Capital - Data and Data Systems		stant prices) 439	194	180	209	CY+5 2,539
170 171 172 173 174 175	Routine expenditure Project or programme* NXNR: 1 - Eng & Asset Capital - Data and Data Systems NXNR: 2 - Eng & Asset Capital - Office Area		stant prices 53 39) 439 49	194 22	180 20		CY+5
170 171 172 173 174 175 176	Routine expenditure Project or programme* NXNR: 1 - Eng & Asset Capital - Data and Data Systems NXNR: 2 - Eng & Asset Capital - Office Area NXNR: 3 - Eng & Asset Capital - Miscellaneous Equipment		stant prices) 439 49 600	194 22 600	180 20 600	209 23	CY+5 2,539 31
170 171 172 173 174 175 176 177	Routine expenditure Project or programme* NXNR: 1 - Eng & Asset Capital - Data and Data Systems NXNR: 2 - Eng & Asset Capital - Office Area NXNR: 3 - Eng & Asset Capital - Miscellaneous Equipment NXNR: 4 - Eng & Asset Capital - Vehicles		stant prices 53 39) 439 49	194 22	180 20	209	CY+5 2,539
172 173 174 175 176 177 178	Routine expenditure Project or programme* NXNR: 1 - Eng & Asset Capital - Data and Data Systems NXNR: 2 - Eng & Asset Capital - Office Area NXNR: 3 - Eng & Asset Capital - Miscellaneous Equipment NXNR: 4 - Eng & Asset Capital - Vehicles NXNR: 5 - General business support		stant prices 53 39) 439 49 600	194 22 600	180 20 600	209 23	CY+5 2,539 31
170 171 172 173 174 175 176 177	Routine expenditure Project or programme* NXNR: 1 - Eng & Asset Capital - Data and Data Systems NXNR: 2 - Eng & Asset Capital - Office Area NXNR: 3 - Eng & Asset Capital - Miscellaneous Equipment NXNR: 4 - Eng & Asset Capital - Vehicles NXNR: 5 - General business support *include additional rows if needed		stant prices 53 39) 439 49 600	194 22 600	180 20 600	209 23	CY+5 2,539 31
170 171 172 173 174 175 176 177 178 179	Routine expenditure Project or programme* NXNR: 1 - Eng & Asset Capital - Data and Data Systems NXNR: 2 - Eng & Asset Capital - Office Area NXNR: 3 - Eng & Asset Capital - Miscellaneous Equipment NXNR: 4 - Eng & Asset Capital - Vehicles NXNR: 5 - General business support		stant prices 53 39) 439 49 600	194 22 600	180 20 600	209 23	CY+5 2,539 31
170 171 172 173 174 175 176 177 178 179 180 181 181	Nutrie expenditure Project or programme* NXNR: 1 - Eng & Asset Capital - Data and Data Systems NXNR: 2 - Eng & Asset Capital - Office Area NXNR: 3 - Eng & Asset Capital - Miscellaneous Equipment NXNR: 4 - Eng & Asset Capital - Vehicles NXNR: 5 - General business support *Include additional rows if needed All other projects or programmes - routine expenditure		stant prices 53 39 4 - - -) 439 600 120 -	194 22 600 150 -	180 20 600 100 -	209 23 - 110 -	CY+5
170 171 172 173 174 175 176 177 178 179 180 181 182 182 183	Routine expenditure Project or programme* NXNR: 1 - Eng & Asset Capital - Data and Data Systems NXNR: 2 - Eng & Asset Capital - Office Area NXNR: 3 - Eng & Asset Capital - Office Area NXNR: 3 - Eng & Asset Capital - Miscellaneous Equipment NXNR: 5 - General business support *include additional rows if needed All other projects or programmes - routine expenditure Routine expenditure Project or programme*		stant prices 53 39 4 - - -) 439 600 120 - - 1,208	194 22 600 150 - - 966	180 20 600 100 - 900	209 23 - - - - - - - - - - - - - - - - - -	CY+5 2,539 31 - 110 - 2,680
170 171 172 173 174 175 176 177 178 179 180 181 182 183 184	Routine expenditure Project or programme* NXNR: 1 - Eng & Asset Capital - Data and Data Systems NXNR: 2 - Eng & Asset Capital - Office Area NXNR: 3 - Eng & Asset Capital - Office Area NXNR: 3 - Eng & Asset Capital - Miscellaneous Equipment NXNR: 4 - Eng & Asset Capital - Vehicles NXNR: 5 - General business support *Include additional rows if needed All other projects or programmes - routine expenditure Routine expenditure Project or programme* NXNR: 3 - Eng & Asset Capital - Building Re-structure	\$000 (in con	stant prices; 53 39 4 - - - 96) 439 600 120 - 1,208 2,880	194 22 600 150 - 966 928	180 20 600 100 - 900	209 23 - 110 - - - 342 20	CY+5
170 171 172 173 174 175 176 177 178 180 181 182 182 183 184 185	Routine expenditure Project or programme* NXNR: 1 - Eng & Asset Capital - Data and Data Systems NXNR: 2 - Eng & Asset Capital - Office Area NXNR: 3 - Eng & Asset Capital - Office Area NXNR: 3 - Eng & Asset Capital - Miscellaneous Equipment NXNR: 5 - General business support *include additional rows if needed All other projects or programmes - routine expenditure Routine expenditure Project or programme*	\$000 (in con	stant prices 53 39 4 - - -) 439 600 120 - - 1,208	194 22 600 150 - - 966	180 20 600 100 - 900	209 23 - - - - - - - - - - - - - - - - - -	CY+5 2,539 31 - 110 - 2,680
170 171 172 173 174 175 176 177 178 180 181 182 183 184 185 186	Routine expenditure Project or programme* NXNR: 1 - Eng & Asset Capital - Data and Data Systems NXNR: 2 - Eng & Asset Capital - Office Area NXNR: 3 - Eng & Asset Capital - Office Area NXNR: 3 - Eng & Asset Capital - Miscellaneous Equipment NXNR: 4 - Eng & Asset Capital - Vehicles NXNR: 5 - General business support *Include additional rows if needed All other projects or programmes - routine expenditure Routine expenditure Project or programme* NXNR: 3 - Eng & Asset Capital - Building Re-structure	\$000 (in con	stant prices; 53 39 4 - - - 96) 439 600 120 - 1,208 2,880	194 22 600 150 - 966 928	180 20 600 100 - 900	209 23 - 110 - - - 342 20	CY+5
1770 1711 1722 1733 1744 1755 1766 1777 1788 1797 1800 1811 1822 1833 1844 1855 1866 1877	Routine expenditure Project or programme* NXNR: 1 - Eng & Asset Capital - Data and Data Systems NXNR: 2 - Eng & Asset Capital - Office Area NXNR: 3 - Eng & Asset Capital - Office Area NXNR: 3 - Eng & Asset Capital - Miscellaneous Equipment NXNR: 4 - Eng & Asset Capital - Vehicles NXNR: 5 - General business support *Include additional rows if needed All other projects or programmes - routine expenditure Routine expenditure Project or programme* NXNR: 3 - Eng & Asset Capital - Building Re-structure	\$000 (in con	stant prices; 53 39 4 - - - 96) 439 600 120 - 1,208 2,880	194 22 600 150 - 966 928	180 20 600 100 - 900	209 23 - 110 - - - 342 20	CY+5
1701 1712 1723 1744 1755 1766 1777 1788 1800 1810 1810 1813 1844 1855 1866 1877 1888	Routine expenditure Project or programme* NXNR: 2 - Eng & Asset Capital - Data and Data Systems NXNR: 3 - Eng & Asset Capital - Office Area NXNR: 3 - Eng & Asset Capital - Miscellaneous Equipment NXNR: 5 - General business support *Include additional rows (fineeded All other projects or programmes - routine expenditure Routine expenditure Project or programme* NXNA: 1 - Eng & Asset Capital - Building Re-structure NXNR: 2 - Eng & Asset Capital - Data and Data Systems	\$000 (in con	stant prices; 53 39 4 - - - 96) 439 600 120 - 1,208 2,880	194 22 600 150 - 966 928	180 20 600 100 - 900	209 23 - 110 - - - 342 20	CY+5
1770 1711 1722 1733 1744 1755 1766 1777 1788 1797 1800 1811 1822 1833 1844 1855 1866 1877	Routine expenditure Project or programme* NXNR: 1 - Eng & Asset Capital - Data and Data Systems NXNR: 2 - Eng & Asset Capital - Office Area NXNR: 3 - Eng & Asset Capital - Office Area NXNR: 3 - Eng & Asset Capital - Office Area NXNR: 5 - General business support *include additional rows if needed All other projects or programmes - routine expenditure Routine expenditure Project or programme* NXNA: 1 - Eng & Asset Capital - Building Re-structure NXNA: 2 - Eng & Asset Capital - Data and Data Systems - - - - *include additional rows if needed	\$000 (in con	stant prices; 53 39 4 - - - 96) 439 600 120 - 1,208 2,880	194 22 600 150 - 966 928	180 20 600 100 - 900	209 23 - 110 - - - 342 20	CY+5
170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189	Routine expenditure Project or programme* NXNR: 2 - Eng & Asset Capital - Data and Data Systems NXNR: 3 - Eng & Asset Capital - Office Area NXNR: 3 - Eng & Asset Capital - Miscellaneous Equipment NXNR: 5 - General business support *Include additional rows (fineeded All other projects or programmes - routine expenditure Routine expenditure Project or programme* NXNA: 1 - Eng & Asset Capital - Building Re-structure NXNR: 2 - Eng & Asset Capital - Data and Data Systems		stant prices; 53 39 4 - - - 96) 439 600 120 - 1,208 2,880	194 22 600 150 - 966 928	180 20 600 100 - 900	209 23 - 110 - - - 342 20	CY+5
170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 185 185 186 187 188 189 190 191	Routine expenditure Project or programme* NXNR: 1 - Eng & Asset Capital - Office Area NXNR: 3 - Eng & Asset Capital - Office Area NXNR: 3 - Eng & Asset Capital - Office Area NXNR: 3 - Eng & Asset Capital - Miscellaneous Equipment NXNR: 4 - Eng & Asset Capital - Vehicles NXNR: 5 - General business support *Include additional rows if needed All other projects or programme* Project or programme* NXNR: 2 - Eng & Asset Capital - Building Re-structure NXNR: 2 - Eng & Asset Capital - Data and Data Systems •		stant prices; 53 39 4 - - - - - - - - - - - - - - - - - -) 439 600 120 - 1,208 2,880 2,168 2,168 - - - - - - - - - - - - -	194 22 600 150 - 966 928 1,294 - - - - - - - - - - - - - - - - - - -	180 20 600 100 - 900 20 884 - - - - - - - - - - - - - - - - - -	209 23 	CY+5
170 171 172 173 174 175 176 177 178 180 181 182 183 184 185 186 187 188 188 188 189 190 191	Routine expenditure Project or programme* NXNR: 1 - Eng & Asset Capital - Data and Data Systems NXNR: 2 - Eng & Asset Capital - Office Area NXNR: 3 - Eng & Asset Capital - Office Area NXNR: 3 - Eng & Asset Capital - Miscellaneous Equipment NXNR: 4 - Eng & Asset Capital - Vehicles NXNR: 5 - General business support *Include additional rows if needed All other projects or programmes - routine expenditure Routine expenditure Project or programme* NXNA: 2 - Eng & Asset Capital - Building Re-structure NXNA: 2 - Eng & Asset Capital - Data and Data Systems *Include additional rows if needed All other projects or programme*		stant prices; 53 39 4 - - - 96 - 1,044 - 1,044 - - - - - - -) 439 600 120 - 1,208 2,880 2,168 - - - - - - - - - - - - -	194 22 600 150 - 966 928 1,294 - - - - -	180 20 600 100 - 900 20 884 - - - -	209 23 	CY+5

									ompany Name		Lines Company	
_								AMP P	lanning Period	1 April 2	2024 – 31 March	2034
	HEDULE 11b: REPORT ON FORECAST OPERATIONA											
	schedule requires a breakdown of forecast operational expenditure for the disclo s must provide explanatory comment on the difference between constant price an											
	porting information about these values, this may be disclosed in Schedule 15 (Volu		rexpenditure forecas	sta in Schedule 14a	Internation y Explana	itory Notesj. 2003 il	lust express the line		dule (115) as a spec	ine value rather tha		in to provide
	information is not part of audited disclosure information.											
ef												
		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
	Operational Expenditure Forecast	¢000 /in nominal dal	(arc)									
	Service interruptions and emergencies	\$000 (in nominal dol 2,109	2,067	2,149	2,214	2,258	2,303	2,349	2,396	2,444	2,493	2
	Vegetation management	1,711	1,747	1,817	1,871	1,908	1,947	1,986	2,025	2,066	2,107	2
	Routine and corrective maintenance and inspection	1,941	2,118	2,203	2,269	2,314	2,360	2,408	2,456	2,505	2,555	2
	Asset replacement and renewal	373	613	638	657	670	683	697	711	725	740	
	Network Opex	6,134	6,544	6,806	7,010	7,151	7,294	7,440	7,588	7,740	7,895	8
	System operations and network support	5,369	6,018	6,617	6,842	6,991	7,145	7,302	7,464	7,629	7,799	7
	Business support	5,890	6,075	6,257	6,525	6,740	6,601	6,721	6,843	6,968	7,096	7
	Non-network opex	11,259	12,094 18,638	12,874 19,680	13,367	13,731 20,882	13,745 21,039	14,023	14,307	14,597 22,337	14,895	15 23
	Operational expenditure	17,393	18,638	19,680	20,378	20,882	21,039	21,462	21,895	22,537	22,789	23
		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
		\$000 (in constant pri	ces)									
	Service interruptions and emergencies	2,109	2,067	2,077	2,079	2,072	2,075	2,079	2,084	2,089	2,095	2
	Vegetation management	1,711	1,747	1,755	1,757	1,751	1,754	1,757	1,761	1,766	1,771	1
	Routine and corrective maintenance and inspection	1,941	2,118	2,128	2,130	2,123	2,127	2,131	2,135	2,141	2,147	2
	Asset replacement and renewal	373	613	616	617	615	616	617	618	620	622	
	Network Opex	6,134	6,544	6,576	6,583	6,560	6,571	6,584	6,599	6,615	6,634	6
	System operations and network support	5,369	6,018 6,075	6,393 6,045	6,425 6,127	6,414 6.184	6,437 5,947	6,462 5,947	6,490 5,951	6,521 5,956	6,554 5,963	5
	Business support Non-network opex	11.259	12.094	12,438	12,552	12,597	12,383	12,410	12,441	12,476	12,516	12
	Operational expenditure	17,393	18,638	19,014	19,134	19,158	18,954	18,993	19,039	19,092	19,151	19
	Subcomponents of operational expenditure (where known)											
	*EDBs' must disclose both a public version of this Schedule (excluding cybersecurit	ty cost data) and a confident	ial version of this Sch	edule (including cyb	ersecurity costs)							
	Energy efficiency and demand side management, reduction of											
	energy losses				· ·	-	-	-	-	-	-	
	Direct billing*					-	-	-	-	-	-	
	Direct billing* Research and Development		-	-	-	-	-	-	-	-	-	
	Direct billing* Research and Development Insurance				- - - -	-	-	-	-	-		
* 0	Direct billing* Research and Development Insurance Cybersecurity (Commission only)			-		-	-			-	-	
* D	Direct billing* Research and Development Insurance						- - - - - -	- - - - -		-	-	
* D	Direct billing* Research and Development Insurance Cybersecurity (Commission only)	Current Year CY	- - - - -	- - - - -	- - - - -	- - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - -	CY+10
* D	Direct billing* Research and Development Insurance Cybersecurity (Commission only)			- - - - - - - - - - -		- - - - - - -		- - - - - - CY+6	- - - - - - -	- - - - - - - -	- - - - - -	CY+10
* D	Direct billing* Research and Development Insurance Cybersecurity (Commission only)			- - - - - - - - - - -		- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - -	- - - - - - - -	Сү+10
* D	Direct billing* Research and Development Insurance Cybersecurity (Commission only)		- - - - - - -									CY+10
* D	Direct billing* Research and Development Insurance Cybersecurity (Commission only) Direct billing expenditure by suppliers that direct bill the majority of their consumers Difference between nominal and real forecasts Service interruptions and emergencies	Current Year CY		73	135	186	228	270	313	355	398	CY+10
D	Direct billing* Research and Development Insurance Cybersecurity (Commission only) Direct billing expenditure by suppliers that direct bill the majority of their consumers Difference between nominal and real forecasts Service interruptions and emergencies Vegetation management	Current Year CY		73 61	135 114	186 158	228 193	270 228	313 264	355 300	398 336	CY+10
• D	Direct billing* Research and Development Insurance Cybersecurity (Commission only) Direct billing expenditure by suppliers that direct bill the majority of their consumers Difference between nominal and real forecasts Service interruptions and emergencies Vegetation management Routine and corrective maintenance and inspection	Current Year CY		73 61 74	135 114 138	186 158 191	228 193 234	270 228 277	313 264 320	355 300 364	398 336 408	CY+10
* D	Direct billing* Research and Development Insurance Cybersecurity (Commission only) Direct billing expenditure by suppliers that direct bill the majority of their consumers Difference between nominal and real forecasts Service interruptions and emergencies Vegetation management Routine and corrective maintenance and inspection Asset replacement and renewal	Current Year CY		73 61 74 22	135 114 138 40	186 158 191 55	228 193 234 68	270 228 277 80	313 264 320 93	355 300 364 105	398 336 408 118	
* D	Direct billing* Research and Development Insurance Cybersecurity (Commission only) Direct billing expenditure by suppliers that direct bill the majority of their consumers Difference between nominal and real forecasts Service interruptions and emergencies Vegetation management Routine and corrective maintenance and inspection Asset replacement and renewal Network Opex	Current Year CY		73 61 74 22 230	135 114 138 40 428	186 158 191 55 590	228 193 234 68 723	270 228 277 80 856	313 264 320 93 990	355 300 364 105 1,125	398 336 408 118 1,261	
* D	Direct billing* Research and Development Insurance Cybersecurity (Commission only) Direct billing expenditure by suppliers that direct bill the majority of their consumers Difference between nominal and real forecasts Service interruptions and emergencies Vegetation management Routine and corrective maintenance and inspection Asset replacement and renewal Network Opex System operations and network support	Current Year CY		73 61 74 22 230 224	135 114 138 40 428 418	186 158 191 55 590 577	228 193 234 68 723 708	270 228 277 80 856 840	313 264 320 93 990 974	355 300 364 105 1,125 1,109	398 336 408 118 1,261 1,245	1
* D	Direct billing* Research and Development Insurance Cybersecurity (Commission only) Direct billing expenditure by suppliers that direct bill the majority of their consumers Difference between nominal and real forecasts Service interruptions and emergencies Vegetation management Routine and corrective maintenance and inspection Asset replacement and renewal Network Opex System operations and network support Business support	Current Year CY	CY+1	73 61 74 22 230	135 114 138 40 428 418 398	186 158 191 55 590	228 193 234 68 723	270 228 277 80 856 840 773	313 264 320 93 990	355 300 364 105 1,125 1,109 1,012	398 336 408 1,261 1,245 1,133	
* D	Direct billing* Research and Development Insurance Cybersecurity (Commission only) Direct billing expenditure by suppliers that direct bill the majority of their consumers Difference between nominal and real forecasts Service interruptions and emergencies Vegetation management Routine and corrective maintenance and inspection Asset replacement and renewal Network Opex System operations and network support Business support Non-network opex	Current Year CY		73 61 74 22 230 224 212	135 114 138 40 428 418	186 158 191 55 590 577 557	228 193 234 68 723 708 654	270 228 277 80 856 840	313 264 320 93 990 974 893	355 300 364 105 1,125 1,109	398 336 408 118 1,261 1,245	1
• D	Direct billing* Research and Development Insurance Cybersecurity (Commission only) Direct billing expenditure by suppliers that direct bill the majority of their consumers Difference between nominal and real forecasts Service interruptions and emergencies Vegetation management Routine and corrective maintenance and inspection Asset replacement and renewal Network Opex System operations and network support Business support	Current Year CY		73 61 74 22 230 224 212 435	135 114 138 40 428 418 398 816	186 158 191 55 590 577 557 1,134	228 193 234 68 723 708 654 1,362	270 228 277 80 856 840 773 1,613	313 264 320 93 990 974 893 1,866	355 300 364 105 1,125 1,109 1,012 2,121	398 336 408 118 1,261 1,245 1,133 2,378	1
D	Direct billing* Research and Development Insurance Cybersecurity (Commission only) Direct billing expenditure by suppliers that direct bill the majority of their consumers Difference between nominal and real forecasts Service interruptions and emergencies Vegetation management Routine and corrective maintenance and inspection Asset replacement and renewal Network Opex System operations and network support Business support Non-network opex	Current Year CY \$000		73 61 74 22 230 224 212 435	135 114 138 40 428 418 398 816	186 158 191 55 590 577 557 1,134	228 193 234 68 723 708 654 1,362	270 228 277 80 856 840 773 1,613	313 264 320 93 990 974 893 1,866	355 300 364 105 1,125 1,109 1,012 2,121	398 336 408 118 1,261 1,245 1,133 2,378	CY+10

Company Name The Lines Company AMP Planning

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.

s	ch ref												
	7						Asset	t condition at sta	art of planning p	eriod (percenta	ge of units by g	ade)	
	8												% of asset forecast to be
	9	Voltage	Asset category	Asset class	Units	H1	H2	НЗ	Н4	Н5	Grade unknown	Data accuracy (1–4)	replaced in next 5 years
	10	All	Overhead Line	Concrete poles / steel structure	No.	0.92%	4.19%	15.77%	40.40%	36.20%	2.51%	3	5.11%
	11	All	Overhead Line	Wood poles	No.	9.35%	5.45%	14.47%	45.36%	20.46%	4.90%	2	14.81%
	12	All	Overhead Line	Other pole types	No.	-	-	-	-	-		N/A	-
	13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	-	-	31.17%	60.98%	7.85%	-	2	-
	14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	-	-	-	N/A	-
	15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	-	1.75%	1.75%	12.28%	84.21%	-	3	1.75%
	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	-	-	-	-	-	-	N/A	-
	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.	-	-	-	56.00%	44.00%	-	4	-
	25	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	-	-	-	N/A	-
	26	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	-	-	-	-	-	-	N/A	-
	27	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	1.64%	-	-	16.39%	80.33%	1.64%	3	1.64%
	28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	-	-	-	N/A	-
	29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	18.23%	-	7.88%	21.18%	52.71%	-	3	18.23%
	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.	36.07%	-	-	27.87%	34.43%	1.64%	3	36.07%
	34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	12.24%	8.16%	65.31%	14.29%	-	3	12.24%
	35												

Company Name The AMP Planning 1 April 2

The Lines Company 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 re	f											
36 37						Asset	t condition at sta	art of planning p	eriod (percenta	ge of units by g	rade)	
38	Voltage	Asset category	Asset class	Units	H1	H2	НЗ	Н4	H5	Grade unknown	Data accuracy (1–4)	% of asset forecast to be replaced in next 5 years
39	HV	Zone Substation Transformer	Zone Substation Transformers	No.	-	2.56%	25.64%	51.28%	20.51%		4	2.56%
40	HV	Distribution Line	Distribution OH Open Wire Conductor	km	0.23%	1.20%	9.84%	74.27%	14.47%	-	2	1.42%
41	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km		1 -	-	-	-		N/A	
42	HV	Distribution Line	SWER conductor	km	0.31%	0.04%	24.54%	66.97%	8.14%	-	2	0.35%
43	HV	Distribution Cable	Distribution UG XLPE or PVC	km	0.58%	0.29%	14.40%	33.85%	50.88%		2	0.88%
44	HV	Distribution Cable	Distribution UG PILC	km	-		-	-	-	-	N/A	-
45	HV	Distribution Cable	Distribution Submarine Cable	km	-		-	-	-		N/A	-
46	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	18.91%	-	3.36%	9.66%	67.23%	0.84%	3	18.91%
47	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	-	-	-	-	100.00%	-	3	-
48	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	6.71%	2.33%	11.29%	39.11%	40.55%	-	2	9.04%
49	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	-	1.27%	1.27%	22.78%	74.68%		3	1.27%
50	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	4.89%	7.34%	-	13.59%	73.64%	0.54%	3	12.23%
51	HV	Distribution Transformer	Pole Mounted Transformer	No.	1.00%	1.34%	10.86%	59.89%	26.91%	-	2	2.34%
52	HV	Distribution Transformer	Ground Mounted Transformer	No.	1.29%	3.31%	3.31%	63.17%	28.91%	-	3	4.60%
53	HV	Distribution Transformer	Voltage regulators	No.	3.67%	4.59%	3.67%	33.03%	55.05%	-	3	8.26%
54	HV	Distribution Substations	Ground Mounted Substation Housing	No.		1 -	-	-	-		N/A	-
55	LV	LV Line	LV OH Conductor	km	0.35%	0.74%	13.19%	73.23%	12.48%	-	2	1.09%
56	LV	LV Cable	LV UG Cable	km	1.61%	0.05%	1.51%	85.13%	11.70%		2	1.66%
57	LV	LV Streetlighting	LV OH/UG Streetlight circuit	km		-	11.32%	86.49%	2.18%	-	2	-
58	LV	Connections	OH/UG consumer service connections	No.	0.75%	1.79%	11.34%	28.61%	15.34%	42.18%	2	2.54%
59	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	3.70%	11.11%	-	63.27%	21.60%	0.31%	3	14.81%
60	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	7.97%	7.44%	0.09%	43.26%	40.28%	0.96%	3	15.41%
61	All	Capacitor Banks	Capacitors including controls	No.	-	-	-	18.18%	81.82%		4	-
62	All	Load Control	Centralised plant	Lot	-	30.77%	-	53.85%	15.38%	-	3	30.77%
63	All	Load Control	Relays	No.	-	-	-	62.41%	11.38%	26.21%	3	-
64	All	Civils	Cable Tunnels	km	-	- 1	-	-	-		N/A	-

										Company Name	The Lines Company
										AMP Planning Period	1 April 2024 – 31 March
so	HEDUL	E 12b: REPORT ON FORECAST CAPACIT	Υ								
		equires a breakdown of current and forecast capacity and utili	-	ubstation and curren	t distribution transfor	mer capacity. The da	ta provided should	be consistent with t	he information pro	vided in the AMP. Information	
		table should relate to the operation of the network in its norr									
n ref											
_	126/	i). Sustan Crowth Zone Substations									
7	120(i): System Growth - Zone Substations					utilisation of		utilisation of		
			Current Peak	Installed Firm	Security of Supply		Installed Firm	Installed Firm	Installed Firm	Installed Firm Capacity	
8			Load	Capacity	Classification	Transfer Capacity	Capacity	Capacity +5 years		Constraint +5 years	
		Existing Zone Substations	(MVA)	(MVA)	(type)	(MVA)	%	(MVA)	%	(cause)	Explanation
9		Arohena	3.2		N	1	-	-	-	Transformer	Transformer upgrade FY24.
0		Atiamuri	11.4	-	N	10	-	-	-	Transformer	Scheduled upgrade to Atiamuri planned in next 5 yrs
1		Awamate	0.7	-	N	1	-	-	-	No constraint within +5 years	
2		Borough	7.1	8.1		2	87%	8.1	91%	No constraint within +5 years	
3		Gadsby Rd	3.9		N	5		-	-	Transformer	Terreformer de DOZ
4		Hangatiki Kaahu Tee	4.0		N	3		-	-	Transformer	Transformer upgrade FY27. Retrofit fans on to existing TXs and rerate FY32.
6		Kianu Tee Kiko Road	1.8		N	1				Transformer	
7		Kuratau	2.1	3.0		-	- 68%	3.0		No constraint within +5 years No constraint within +5 years	11kV backup supply reinforcement FY25-27.
8		Mahoenui	1.6	5.0	N-1	0	0070	5.0	0370	No constraint within +5 years	
9		Manunui	2.7		N	2				No constraint within +5 years	TX upgrade from 3MVA to 5MVA, FY30-32.
0		Maraetai	4.9		N					No constraint within +5 years	TX upgrade from SWVA to SWVA, 1150-52.
1		Marotiri	2.4		N	1				No constraint within +5 years	TX upgrade from 3MVA to 5MVA, FY27-29.
22		Mokaj	5.0		N	1				No constraint within +5 years	
3		National Park	1.6		N	3				No constraint within +5 years	
4		Nihoniho	0.6	-	N	1	-	-	-	No constraint within +5 years	
5		Oparure	1.7	-	N	1	-		-	No constraint within +5 years	
6		Otukou	0.1	-	N	-	-	-	-	No constraint within +5 years	
7		Piripiri	0.6	-	N	2	-	-	-	No constraint within +5 years	
8		Tahāroa	13.7	10.0	N-1	-	137%	20.0	137%	Transformer	Constraint managed through agreement with major customer
9		Tahāroa Village	0.4	-	N	-	-	-	-	No constraint within +5 years	
0		Tawhai	3.6	-	N	2	-	-	-	No constraint within +5 years	
11		Te Anga	2.5	-	N	2		-	-	No constraint within +5 years	
2		Te Waireka	10.8	9.4	N-1	1	115%	9.4	137%	Subtransmission circuit	Subtransmission upgrade FY32-34.
13		Tokaanu Village	0.2	-	N	-	-	-	-	No constraint within +5 years	
4		Tuhua	0.6		N	1	-	-	-	No constraint within +5 years	
15		Tūrangi	4.4	5.0		3	89%	5.0	152%	No constraint within +5 years	Retrofit fans on to existing TXs and rerate FY25.
6		Waiotaka	0.5		N	1	-	-	-	No constraint within +5 years	
7		Wairere Falls	3.0		N	1	-	-	-	No constraint within +5 years	11kV backup supply reinforcement FY25-27.
8		Waitete	8.4	12.7	N-1	3	66%	15.0	80%	Subtransmission circuit	Subtransmission upgrade FY29-31.
9		¹ Extend forecast capacity table as necessary to disclose all co	apacity by each zone su	ubstation							

			С	ompany Name	The	Lines Compan	/
			AMP P	Planning	1 April 2	024 – 31 March	2034
nis sc	EDULE 12C: REPORT ON FORECAST NETWORK DEMAND hedule requires a forecast of new connections (by consumer type), peak demand and energy volumes for the disclosure the assumptions used in developing the expenditure forecasts in Schedule 11a and Schedule 11b and the capacity and th			should be consisten	t with the supporting	information set out	in the AMP as
7	12c(i): Consumer Connections						
8	Number of ICPs connected during year by consumer type	6 1 1 1 1 1 1 1	6 14 - 4	Number of c		<i></i>	6 14 - E
9 0		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
		31 Mar 24	31 Mar 25	31 Mar 26	31 Mar 27	31 Mar 28	31 Mar 29
1	Consumer types defined by EDB*						
2	Standard: Service Level Urban	121	121	122	122	123	12
3	Standard: Service Level Rural	151	152	152	153	154	15
4	Standard: Service Level Remote	13	13	13	13	13	1
5	Non standard connection	-	-	-	-	-	
	0						
	Connections total	284	286	287	289	290	2
	*include additional rows if needed						
	Distributed generation	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
3	Number of connections made in year	19	23	29	37	46	
1	Capacity of distributed generation installed in year (MVA)	0.14	0.18	0.22	0.27	0.34	0.
	12c(ii) System Demand	Current Year CY	CY+1	CY+2	СҮ+3	CY+4	СҮ+5
6	Manifestion and a state of the state of (SAMA)						31 Mar 29
7	Maximum coincident system demand (MW)	31 Mar 24	31 Mar 25	31 Mar 26	31 Mar 27	31 Mar 28	
8	GXP demand	66	82	85	70	71	
2	plus Distributed generation output at HV and above	12	12	12	30	30	
2	Maximum coincident system demand	79	94	97	100	102	1
	less Net transfers to (from) other EDBs at HV and above	-	-	-	-	-	
	Demand on system for supply to consumers' connection points	79	94	97	100	102	1
3	Electricity volumes carried (GWh)						
	Electricity supplied from GXPs	325	404	413	343	343	3
1		6	6	6	6	6	
	less Electricity exports to GXPs				150	150	1
	less Electricity exports to GXPs plus Electricity supplied from distributed generation	68	68	68	150		
5		68 (16)	68 (16)	68 (17)	(17)	(17)	(
	plus Electricity supplied from distributed generation						
	plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to ICPs	(16)	(16)	(17)	(17)	(17)	
	plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to ICPs less Total energy delivered to ICPs	(16) 403 375	(16) 482 443	(17) 492 452	(17) 503 461	(17) 504 462	
	plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to ICPs	(16) 403	(16) 482	(17) 492	(17) 503	(17) 504	
	plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to ICPs less Total energy delivered to ICPs	(16) 403 375	(16) 482 443	(17) 492 452	(17) 503 461	(17) 504 462	(5 4 5(

				r					
				Company Name		e Lines Compar	-		
		Planning Period	1 April 2024 – 31 March 2034						
	Network / Sub-network								
S	SCHEDULE 12d: REPORT FORECAST INTERRUPTIONS AND DURATION								
Т	his schedule requires a forecast of SAIFI and SAIDI for disclosure and a 5 year planning period. The forecast	s should be consister	nt with the supportion	ng information set o	ut in the AMP as we	ell as the assumed im	pact of planned		
a	nd unplanned SAIFI and SAIDI on the expenditures forecast provided in Schedule 11a and Schedule 11b.								
sch	ref								
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)	88.0	113.6	113.6	113.6	113.6	113.6		
12	Class C (unplanned interruptions on the network)	150.9	158.0	156.0	154.0	152.0	150.0		
13	SAIFI								
14	Class B (planned interruptions on the network)	0.70	0.70	0.70	0.70	0.70	0.70		
15	Class C (unplanned interruptions on the network)	2.10	2.59	2.57	2.55	2.52	2.50		

SCHEDULE 14A: MANDATORY EXPLANATORY NOTES ON FORECAST INFORMATION

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).

 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: Forecasts for current year (CY) and CY+1 in Schedule 11a are based on actual forecast spend, and therefore have no CPI increase.

The following increases have been applied to nominal forecasts for other years.

-	
CY+2	3.5%
CY+3	3.0%
CY+4	2.5%
CY+5 onwards	2.0%

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

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 Schedule 11b.

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

Forecasts for current year (CY) and CY+1 in Schedule 11b are based on actual forecast spend, and therefore have no CPI increase.

The following increases have been applied to nominal forecasts for other years.

3.5%
3.0%
2.5%
2.0%

SCHEDULE 17: CERTIFICATION FOR YEAR-BEGINNING DISCLOSURE

Clause 2.9.1

We, **Mike Underhill and Todd Spencer**, being Directors of The Lines Company Limited certify that, having made all reasonable enquiry, to the best of our knowledge:

- a) the following attached information of The Lines Company Limited prepared for the purposes of clauses 2.4.1, 2.6.1, 2.6.3, 2.6.6 and 2.7.2 of the Electricity Distribution 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 both align with The Lines Company's corporate vision and strategy and are documented in retained records.

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DIRECTOR Mike Underhill Date: 28 March 2024

DIRECTOR Todd Spencer Date: 28 March 2024