

Asset Management Plan Update 1 April 2024 to 31 March 2034

Submitted in accordance with Information Disclosure 2012



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1. Introduction

1.1. Purpose of the AMP Update

The purpose of this Asset Management Plan (AMP) Update is to reflect any material changes in Marlborough Lines Limited's (MLL's) asset management for the planning period from that outlined in the 2023 AMP¹. Recent full AMPs were disclosed on 31 March 2020, 2021, and 2023. This AMP Update covers the period of 1 April 2024 to 31 March 2034. MLL last provided an AMP update on 31 March 2022.

For the purposes of this AMP Update, the interpretation of material change² is any significant deviation from the full AMP published 31 March 2023 (2023 AMP). Rescheduling projects, recategorisation of expenditure types, minor adjustments to forecast amounts and values for example, are not deemed by MLL to be material changes.

MLL's AMPs are disclosed in accordance with regulatory requirements, but more importantly, they underpin MLL's strategy for managing its assets to meet consumer demands.

1.2. Information disclosure requirements

Section 2.6 of the Commerce Commission's Information Disclosure Determination 2012 (ID 2012) requires that Electricity Distribution Businesses (EDBs) disclose a full Asset Management Plan (AMP) one year after the start of the Default Price Path (DPP) and two years before the start of the next DPP period. The next DPP period starts 1 April 2025. In the other years EDBs may elect to complete and publicly disclose an AMP update which presents less information than a full AMP, to reduce compliance costs.

MLL produced a full AMP for 31 March 2023; this allows for the disclosure of an AMP Update for 31 March 2024, based on the aforementioned provision. As such, we have elected to prepare an AMP Update. We consider this approach appropriate considering the lack of material changes from the 2023 AMP.

Clause 2.6.3 in ID 2012 requires MLL to complete and publicly disclose an AMP Update before 1 April 2024. Clause 2.6.5 states that the AMP Update must:

- Relate to the electricity distribution services supplied by the EDB;
- Identify any material changes to the network development plans disclosed in the last AMP;
- Identify any material changes to the lifecycle asset management (maintenance and renewal) plans disclosed in the last AMP;
- Provide the reasons for any material changes to the previous disclosures in the Report on Forecast Capital Expenditure set out in Schedule 11a and Report on Forecast Operational Expenditure set out in Schedule 11b; and

¹ MLL's Asset Management Plan 1 April 2023 to 31 March 2033, available from

https://www.marlboroughlines.co.nz/About-us/Disclosures/Asset-Management.aspx

² A material project and programme by definition "means projects or programmes with actual forecast total expenditure greater than the materiality threshold that is developed by the EDB" (Information Disclosure, 2012).

• Identify any changes to the asset management practices of the EDB that would affect a Schedule 13 Report on Asset Management Maturity disclosure.

In addition, clause 2.6.6 requires MLL to publicly disclose:

- a) The Report on Forecast Capital Expenditure in Schedule 11a;
- b) the Report on Forecast Operational Expenditure in Schedule 11b;
- c) the Report on Asset Condition in Schedule 12a;
- d) the Report on Forecast Capacity in Schedule 12b;
- e) the Report on Forecast Network Demand in Schedule 12c; and
- f) the Report on Forecast Interruptions and Duration in Schedule 12d.

A number of additional information disclosures have been required following the publishing of the 2023 AMP. These are listed and addressed in Section 5.

1.3. Structure

This AMP Update has been prepared in accordance with Section 2.6 of ID 2012. This AMP Update is much more concise than the 2023 AMP. Where further detail is sought, the reader is encouraged to view the 2023 AMP.

This AMP Update reports on the following:

- Section 2 A commentary on developments in MLL's asset management approach that highlights future challenges, in particular, due to technology and de-carbonisation developments.
- Section 3 Material changes from the 2023 AMP, including:
 - Network development plans;
 - o Lifecycle asset management; and
 - Asset management practices.

Where applicable, Section 3 also provides the reasons for any material changes presented in the Report on Forecast Capital Expenditure (Schedule 11a) and Forecast Operational Expenditure (Schedule 11b) from the 2023 AMP.

- Section 4 An overview of any changes between the schedules accompanying this AMP Update to those disclosed with the 2023 AMP. The schedules include:
 - Schedule 11a Forecast Capital Expenditure;
 - Schedule 11b Forecast Operational Expenditure;
 - Schedule 12a Asset Condition;
 - Schedule 12b Forecast Capacity;
 - Schedule 12c Forecast Network Demand; and
 - Schedule 12d Forecast Interruptions and Duration.

The completed schedules are appended to this AMP Update.

 Section 5 – New information disclosure requirements following the publishing of the 2023 AMP. MLL has not identified any material changes to its asset management practices that would affect its Schedule 13 Report on Asset Management Maturity disclosure, therefore it has not been updated and included with this AMP Update.

Marlborough Lines Limited Asset Management Plan Update - 1 April 2024 to 31 March 2034

2. High Level Strategy

This section provides commentary on developments in MLL's objectives that will impact on MLL's asset management approach in the future and highlights future challenges including those related to technology and de-carbonisation developments.

2.1. 2023/2024 Statement of Corporate Intent

The 2023/24 Statement of Corporate Intent (SC)I sets out the MLL directors' overall intentions and objectives for MLL and its subsidiaries for the financial year ended 30 June 2024 and the two succeeding financial years. The SCI and MLL's mission and vision were referred to in section 5.3 of the 2023 AMP. Aspects of the SCI impact upon MLL's Asset Management Strategy.

MLL's Mission is to:

Deliver sustainable regional growth and equity through people, technology, and environmental leadership

The electricity industry is at a point where substantial change is occurring largely due to technological progress and concerns about the climate combining to alter the way in which MLL's network is being used such as:

- Increased uptake of electric vehicles;
- Residential consumers becoming electricity generators through installation of solar (PV) arrays on their homes;
- industrial consumers looking to decarbonise their processes and move away from the likes of burning coal/woodchips, to using electricity;
- major transport moving to electricity e.g. Marlborough's proposed hybrid electric ferries, and possible electric planes;
- Increased medium scale (>0.5 MW) embedded generation network connections; and
- Consumers wanting to be able to store energy in batteries and trade electricity across MLL's network.

In a decarbonised world, for Marlborough to grow, MLL needs to provide a **resilient, reliable**, and future-proofed electricity network.

To achieve MLL's mission and vision of the future, in 2021 MLL developed the following six **Strategic Objectives** that are at the core of MLL's business:



Assets

Optimise our assets to provide a flexible, dynamic, and resilient network to accommodate future technologies and promote regional growth.



Technology and Innovation

Empower our consumers and region by deploying technology and commercial innovation to accelerate electrification and provide for future load growth.



Financial Objectives

Deliver value to all of our consumers through efficient operations and investment success.



Our People

Provide a workplace where our people are valued, engaged, and inspired to deliver positive personal and Company outcomes for the benefit of all consumers.



Community

Improve energy equity and support regional growth through education, employment, sponsorship and investments.



Environment

Minimise our environmental footprint through operational efficiencies, reducing net carbon emissions, and supporting regional environmental initiatives.

To measure MLL's performance against these Strategic Objectives MLL developed the following **Performance Targets**. These strategic objectives and performance targets will impact on MLL's Asset Management Planning. MLL's Group performance targets that may impact upon the Asset Management Plan for the next three financial years assuming a normalised operating environment are:

	Performance Targets	2024 Target	2025 Target	2026 Target
Ť	Assets Asset Maturity rating Total SAIDI 	2.9 165 min	2.92 165 min	2.94 157 min
	 Technology and Innovation Cumulative number of deployed non-network solutions MLL Owned Renewable generation 	2 4 MW	4 8 MW	8 12 MW
	Our People Number of serious harm incidents	0	0	0
	Community Overall consumer satisfaction score	> 85%	> 85%	> 85%
•	Environment MLL net GHG tonnes (negative = removals > emissions)	(750)	(750)	(750)

2.2. Planning for Change

In MLL's 2023 AMP, the section on Decarbonisation of Energy discussed various anticipated load changes. Much of this growth area is still difficult to forecast and significant changes since the last AMP include:

- Cancellation of the KiwiRail iReX project in Picton. Previously an approximately 9MVA step load increase was anticipated due to ferry electrification and charging;
- 770 kWac Taylor Pass solar PV project completed and operational. In good weather this has occasionally reduced the Hospital Rd West 11kV feeder load to zero;
- Park Terrace EV Charging Hub completed in Blenheim (3 x 150kW and 1 x 250kW chargers); and
- Seaview approximately 4MW solar PV plant under construction in 2024.

As previously reported, MLL is actively working with EDBs across New Zealand, and other industry participants to consider the likely impacts from the rise of Distributed Energy Resources (DERs) and options for its management. MLL will embrace and adopt new technologies when it believes there will be benefit to the network and/or consumers.

MLL has concerns about some potential impacts of recent load management technologies. At times, MLL currently reduces its network's peak load by up to 15% through the use of its hot water ripple control systems in order to reduce capital expenditure in the transmission and distribution networks. It appears that the ability to reduce distribution network peak load may gradually be eroded by others using remote demand management. As retailers and demand response aggregators enter into hot water and management of other customer loads it is unclear what the impact might be on network and transmission peaks. It is hoped that peak energy prices would occur at the same time as peak network loading, and therefore retailer and aggregator demand management might act in a similar way as MLL's load management, resulting in similar peak load reduction outcomes. MLL is concerned about the potential level of "snap-back" that occurs when load management is turned off after a peak. Careful management of the return to load is required after an off-load period to avoid causing a larger peak than would have occurred without demand management. There is potential for customers whose load is managed by aggregators to have extended off-load periods due to MLL's ripple control extending the aggregators load control periods in order to manage network peaks. This could result in unsatisfactory service levels to some customers.

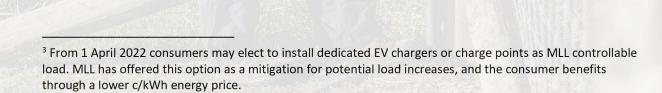
Load factor is the ratio of average load in relation to the peak load and is a measure of efficiency of asset utilisation. It is anticipated that as hot water load control by others increases, that the network load factor will reduce. Without certainty and with reducing ability to manage distribution network loading it seems likely that to ensure the transmission and distribution networks are sufficient for customer needs, that MLL will need to invest more heavily than it would otherwise invest in distribution infrastructure. MLL anticipates less than 10% loss of hot water flex by the end of the next AMP period. It is unclear how this might accelerate investment in MLL's assets.

MLL is running a number of pilot projects investigating the ability to improve the visibility and understanding of loading on 400V assets and transformers that may be impacted by more customer PV installations and EV chargers.

As per the 2021 to 2023 AMPs, whilst the installation of distributed generation within the network is increasing (solar in particular), the levels are still small in total and a concerning rate of increase is not yet evident. The current level of secure network capacity is also allowing MLL time to assess the effects of electric vehicle (EV) load as it arises. It is not expected that EV numbers in Marlborough will increase at such a rate that MLL will not be able to respond to meet the demand. MLL will consider alternative line delivery price structures, if deemed appropriate³, to manage potential significant increased demand from EVs. A close watch will be maintained on these new technologies to continuously assess their effects through monitoring and modelling.

Enquiries for large scale solar plant connections have similarly not raised any concern about network capacity. Potential solar plant generation developers appear to be focused on limiting the scale of their plants to the ability of the existing network to distribute their power without significant network enhancement.

MLL is aware of potential wind farm sites where landowners have signed agreements for investigations and potential progression by wind generation developers. These developers have not formally approached MLL. In the cases where MLL is aware of potential developments, MLL's existing network is unlikely to support the potential wind generation without large investment by the developers. MLL plans to develop its network to satisfy generation needs as they become evident, appropriate and equitable.



3. Material Changes

This section provides a summary of material changes from the 2023 AMP to the network development plans, lifecycle asset management and asset management practices at MLL. The schedules relating to this are summarised in Section 4 (with the schedules themselves disclosed separately with this AMP Update).

MLL considers that the forecasts set out in the schedules provide an accurate summary of the expected required investment and network performance for this planning period.

3.1. Network development plans

Relative to MLL's 2023 AMP, there are few material changes to MLL's forecast load growth and network development plans.

As discussed in section 2.2, there is an increasing number of solar and wind generators in the region and MLL is maintaining a close watch on generation growth in order to determine constraints as they arise. However, it is difficult to forecast with any certainty, as in MLL's experience, applications to connect medium scale distributed generation to the network can come with little warning, and it is difficult to forecast whether they will build even after the completion of an application.

Embedded or distributed generation with solar and/or wind as the primary energy source is not considered to be sufficiently diverse or reliable enough to reduce or defer capital expenditure for meeting peak demand. Solar has limited production during the winter months where MLL's peak loads and highest energy flows often occur, while the production from wind is highly variable. As indicated in the 2023 AMP, Energy Marlborough Limited (EML) has applications for connections of solar generation at Seaview (near Seddon) and Ward which will likely use all of the remaining capacity for large-scale generation of the existing network in the East Coast area.

MLL is not anticipating any significant network capital expenditure will be needed to accommodate these particular large-scale solar plants other than at the connection of the plants to the network. These point of connection upgrades are similar to other commercial customer connections and will be funded by the generation applicant.

Material changes are described below.

3.1.1. Marlborough Sounds "Gateway" Planning Area

Section 8.3 of the 2023 AMP anticipated a probable 9MVA load increase within Picton due to electrification of KiwiRail ferries. This would have necessitated a new zone substation (Waitohi Substation) and some upgrades of 33kV lines between Blenheim and Picton. There is no longer any certainty that this load increase will occur in the planning timeframes and therefore the upgrades required to meet the load increase are no longer in MLL's plans.

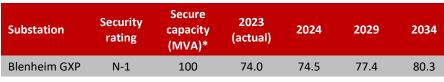
MLL is dealing with a number of enquiries for larger scale load connections in the Picton marine areas (in the order of up to 3MVA of potential total load increase), but these are at the enquiry stage and without any certainty of connections progressing. They have not been

included in this year's forecasts. Due to the nature of these enquiries, this may result in significant load and capex forecast changes year on year.

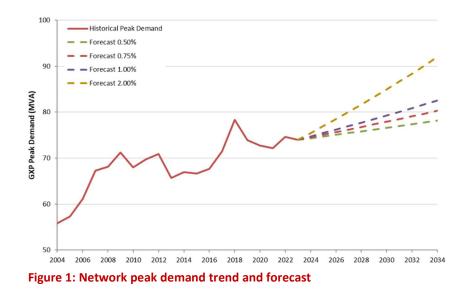
Substation	Security rating	Secure capacity (MVA)	2023 (actual)	2024	2029	2034
Havelock	N-1	5.0	2.5	2.5	2.6	2.6
Linkwater	Ν	5.0	3.5	3.5	3.5	3.5
Picton	N-1	15.0	7.0	7.0	7.1	7.2
Rai Valley	Ν	3.0	2.0	2.0	2.0	2.1
Waitohi	-	-	-	-	-	-

Table 1: Marlborough Sounds gateway area zone substation maximum demand forecasts

A step increase at the Blenheim GXP of less than 9MVA (due to diversity) was also anticipated in the 2023 AMP (section 8.2) due to the electrification of the KiwiRail ferries. This step change is no longer anticipated. This has no impact on GXP planned investments in the planning period.



*Maximum continuous summer daytime capacity Table 2: Blenheim maximum demand forecast



3.1.2. Wairau Plains Planning Area

The 2023 AMP section 8.3 planned projects for the Wairau Plains planning area are unchanged however there is now increased clarity on the Wairau Valley Capacity Upgrade where a 33kV feeder and substation is required in the area to relieve constraints. It is anticipated that the substation would be completed before 2026 and that some Tapp substation 11kV feeder load would then shift to the new substation, and that due to lifted constraints the load would pick up more rapidly with approximately 5MVA peak load anticipated on the new substation within ten years.

Substation	Security rating	Secure capacity (MVA)	2023 (actual)	2024	2029	2034
Leefield	Ν	5.0	1.9	2.0	2.2	2.5
Spring Creek	N-1	5.0	3.5	3.5	3.8	4.1
Тарр	N-1	16.5	9.7	9.9	9.3	10.3
Woodbourne	<mark>N-1</mark>	<mark>10.</mark> 0	8.1	8.3	9.1	10.1
Wairau Valley	-	-	-	-	4.0	5.0

Table 3: Wairau Plains area zone substation maximum demand forecasts

3.2. Lifecycle asset management

For the planning period covered in this AMP update, there are no material changes for lifecycle asset management.

3.3. Asset management practices

For the planning period covered in this AMP update, there are no material changes for asset management practices.



4. ID schedules

This section provides details on the ID Schedules which are disclosed with this AMP Update. Where there are material changes from the 2023 AMP, or where there are significant variations between the 2023 AMP forecast costs vs the actual costs for the current disclosure year, these have been identified and are accompanied by explanatory notes.

4.1. Schedule 11a – Forecast Capital Expenditure

4.1.1. Current year 2024

The high-profile cancellation of the KiwiRail iReX project has significantly altered MLL's capital expenditure in Disclosure Year 2024 (DY24). Major upgrades to the subtransmission network between Blenheim and Picton and the construction of a new zone substation near Port Marlborough had originally been planned - however with the iReX project no longer proceeding, the associated MLL projects were not progressed and have now been removed from the forecast.

Construction delays at the new 33kV switchroom at Woodbourne Zone Substation and the rescheduling of a new 33kV switchroom at Spring Creek Substation have also impacted the forecast. Additionally, contracting for MLL's planned new Advanced Distribution Management System (ADMS) has been slower than anticipated which has again negatively impacted expenditure in DY24. Although delayed, these projects are still proceeding and the expenditure has now been reforecast through DY25, DY26 and DY27.

With no firm commitment regarding a customer driven project to construct a new zone substation in the Kaituna area – MLL has also opted to reallocate the planned expenditure to another system growth project in the Wairau Valley area.

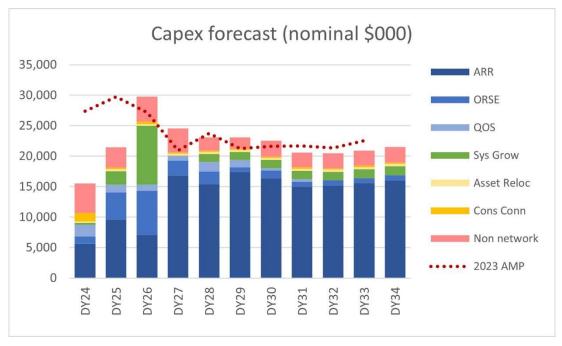


Figure 2: 2024 AMP Update Capex Forecasts (nominal dollars)

4.1.2. Forecast years – regulatory years 2025 to 2034

Installation of new 33kV infrastructure in Marlborough's Wairau Valley is a major component of the forecast expenditure in DY25 and DY26. This programme of work was referenced in the 2023 AMP but with uncertainty around funding and the ability to deliver concurrently with the iReX work, expenditure for the programme was not included in the forecast.

However, this situation has now changed and with MLL continuing to receive enquiries for additional load to support vineyard development, MLL has opted to proceed with the installation of new overhead and underground assets and the construction of a new 33kV/11kV zone substation.

The delivery of this programme across DY25 and DY26 and the ongoing work on the ADMS project has elevated the planned expenditure in DY26 in particular. The technical diversity between these major projects (field resources for Wairau Valley versus IT resources for the ADMS), combined with the use of externally contracted resources on these projects, is planned to provide capacity to ensure timely delivery. Expenditure from DY27 to DY34 remains consistent with that previously forecast in the 2023 AMP.

4.2. Schedule 11b – Forecast Operational Expenditure

For the planning period covered in this AMP update, there are no material changes to forecast operational expenditure. MLL is considering undertaking a Lidar survey of its network, however this expenditure has not been included in the forecast as no firm commitment to the project has been made.

4.3. Schedule 12a – Asset Condition

There are only minor changes to the asset condition values from those presented in the 2023 AMP.

4.4. Schedule 12b – Forecast Capacity

There have been three material changes to MLL's forecast capacity values between this AMP Update and the values previously presented in the 2023 AMP.

The cancellation of KiwiRail's iReX project has removed the need for a new zone substation at Waitohi Wharf in Picton. This has been removed from Schedule 12b.

The Wairau Valley Capacity Upgrade project has improved MLL's understanding of the future electricity requirements in the outer Wairau Valley area. This has prompted MLL to plan for a new zone substation near the Wairau Valley township, expected to be completed 2026-27. This has been added to Schedule 12b.

A previously planned load transfer from Riverlands substation to Cloudy Bay substation has been deferred due to stalled negotiations with an affected landowner. This project would have

transferred 3MVA permanently via a new 11kV cable. MLL will retain this as a future option, however, it is currently beyond the 5-year forecast period.

Due to the deferred load transfer project, MLL has identified a + 5-year firm capacity constraint at Riverlands substation due to its transformer. MLL believes this constraint can be effectively managed by using the transfer capacity that already exists between Riverlands and Cloudy Bay substations, providing security to Riverlands substation and enabling it to operate above its firm capacity during peak periods. This explanation has been added to Schedule 12b.

4.5. Schedule 12c – Forecast Network Demand

There are only minor changes to the forecast network demand values in this AMP update from the 2023 AMP. Demand for electricity is increasing, but so too is the amount available from distribution generation (DG). MLL believes that the rate of demand growth will exceed DG growth and therefore anticipates incremental increases of system demand and energy through the GXP over the planning period.

MLL has previously forecast relatively static increases in the number of new irrigation connections per year. While this has been based on historic trends, it does not reflect the number of connection applications which have been declined due to capacity constraints in the typically rural or remote areas. As MLL now plans to construct a Wairau Valley zone substation around 2026-27, it is expected that there will be an increased number of new irrigation connections in the following years due to pent-up demand in the area.

4.6. Schedule 12d – Forecast Interruptions and Duration

Forecast interruptions and durations are included in Schedule 12d for the reporting period.

Section 6 of the 2023 AMP described MLL's Network performance and service levels. The average duration of non-supply per consumer per annum (SAIDI)⁴ is the key measure of the "average" consumer's experience of supply reliability. In the 2023 AMP, unplanned SAIDI targets were 93 minutes for the DY24 to DY25 years, reducing to 85 minutes thereafter. The planned SAIDI was increased from 65 to 72 minutes for the period out to DY28. There are no changes to either of these targets in this AMP update.

For the current year, unplanned SAIDI is forecast at 88 SAIDI minutes. After major weather events in DY2 and DY23, no further major events have been experienced to date in DY24.

In the current year, planned SAIDI is forecast at 94 against a target of 72 minutes. The increase in planned SAIDI from previous years is a reflection of the both the increase of work on the network where in many cases no alternative supply is available, and MLL's decision to use its fleet of generators more sparingly for planned shutdowns. This was discussed in section 6.1.1.2 of the 2023 AMP.

⁴ SAIDI = System Averaged Interruption Duration Index expressed in minutes per consumer.

5. New Information Disclosure Requirements

This section describes information disclosure requirements that have been required subsequent to the 2023 AMP, and MLL's responses to those requirements.

In June 2023 MLL published on its website <u>https://www.marlboroughlines.co.nz/corporate-information</u> a document "Information Disclosure Determination 2012 Additional Requirements (Attachment A 17.1 to 17.6) for 30 June 2023". This document was prepared to meet new requirements introduced to the Electricity Distribution Information Disclosure Determination 2012 (consolidated May 2023) which must be publicly disclosed by 30 June 2023.

These new Information Disclosure requirements prescribe that MLL's AMP "must include qualitative information in narrative form, as prescribed in clauses 17.1-17.7". However, the requirements may be disclosed in a standalone document published on MLL's website, by 30 June 2023.

Some of the information required by clauses 17.1 to 17.6 was included in MLL's 2023 AMP. Section 12.3 of the MLL 2023 AMP provides a table of regulatory requirements and those that were addressed in that AMP. Those that were not included in the AMP were included in the standalone document referred to above.

There are no material changes to requirements 17.1 to 17.6 for this AMP update.

Further new disclosures clauses 12.5 to 12.6 were required to be published by 1 April 2024. These are discussed below.

12.5 Identification of the approach used for developing capital expenditure projections for lifecycle asset management. This must include an explanation of: 12.5.1 the approach that the EDB uses to inform its capital expenditure projections for lifecycle asset management; and 12.5.2 the rationale for using the approach for each asset category.

There are no material changes to MLL's approach to developing capital expenditure projections for lifecycle asset management from the approach described in section 7.0 and 10 of the 2023 AMP. Section 7.1.1 explains that MLL seeks to continuously improve its asset management practices. This remains the case with the collection of asset health data being increasingly supplemented with the application of criticality factors to determine overall risk for any particular asset class.

12.6 Identification of vegetation management related maintenance. This must include an explanation of the approach and assumptions that the EDB uses to inform its vegetation management related maintenance.

This information is discussed extensively in the 2023 AMP particularly in sections 7.6 and 10.13 but also in sections 4.1.1.4, 6, 6.3, and 7.4.2.7.

12.7 The EDB's consideration of non-network solutions to inform its capital and operational expenditure projections for lifecycle asset management. This must include an explanation of the approach and assumptions the EDB used to inform these expenditure projections;

As discussed above and in the 2023 AMP, MLL has a strong desire for non-network solutions and has set SCI performance targets in this regard, however largely due to the good performance of MLL's network, customers have been reluctant to accept non-network solutions and MLL has struggled to meet this target. Non-network solutions are discussed in section 7.9, 8.3.4.4 and 8.4.2 and referred to in section 7.1.3 of the 2023 AMP.

MLL strongly relies on hot water ripple control for minimisation of capital expenditure by reducing the network's peak demand. The peak is currently reduced by approximately 15% during high load periods through the use of ripple controls.

Remote fixed diesel generators are also relied upon to avoid upgrading remote parts of MLL's Marlborough Sound network as discussed in section 10.6 and 7.8 of the 2023 AMP.

There are no material changes to requirements 12.6 and 12.7 for this AMP update.

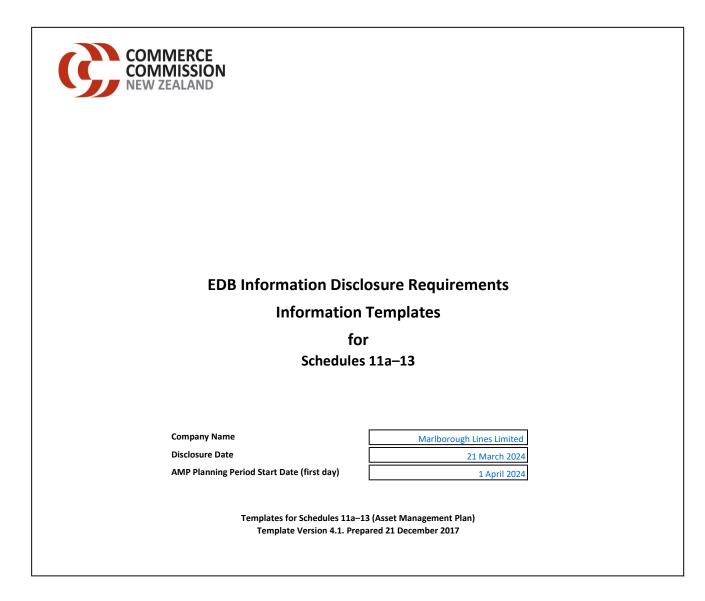


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Information disclosure asset management plan schedules

Schedule Schedule name

- 11a REPORT ON FORECAST CAPITAL EXPENDITURE
- REPORT ON FORECAST OPERATIONAL EXPENDITURE 11b
- 12a **REPORT ON ASSET CONDITION**
- 12b **REPORT ON FORECAST CAPACITY**
- REPORT ON FORECAST NETWORK DEMAND 12c
- REPORT FORECAST INTERRUPTIONS AND DURATION REPORT ON ASSET MANAGEMENT MATURITY 12d
- 13

Disclosure Template Instructions

These templates have been prepared for use by EDBs when making disclosures under subclauses 2.6.1(1)(d), 2.6.1(1)(e), 2.6.1(2), 2.6.5(6), 2.6.6(1) and 2.6.6(2) of the Electricity Distribution Information Disclosure Determination 2012. The EDB may include a completed Schedule 13: Report on Asset Management Maturity table with its disclosures made under subclause 2.6.6(1) and 2.6.6(2), but this is not required. Schedule 13 tables that are not completed should be removed from disclosures made under subclause 2.6.6(1) and 2.6.6(2).

Company Name and Dates

To prepare the templates for disclosure, the supplier's company name should be entered in cell C8, the date of the first day of the 10 year planning period should be entered in cell C12, and the date on which the information is disclosed should be entered in cell C10 of the CoverSheet worksheet.

The cell C12 entry (planning period start date) is used to calculate disclosure years in the column headings that show above some of the tables. It is also used to calculate the AMP planning period dates in the template title blocks (the title blocks are the light green shaded areas at the top of each template).

The cell C8 entry (company name) is used in the template title blocks.

Dates should be entered in day/month/year order (Example -"1 April 2013").

Data Entry Cells and Calculated Cells

Data entered into this workbook may be entered only into the data entry cells. Data entry cells are the bordered, unshaded areas (white cells) in each template. Under no circumstances should data be entered into the workbook outside a data entry cell. In some cases, where the information for disclosure is able to be ascertained from disclosures elsewhere in the workbook, such information is disclosed in a calculated cell.

Validation Settings on Data Entry Cells

To maintain a consistency of format and to guard against errors in data entry, some data entry cells test entries for validity and accept only a limited range of values. For example, entries may be limited to a list of category names or to values between 0% and 100%. Where this occurs, a validation message will appear when data is being entered.

Conditional Formatting Settings on Data Entry Cells

Schedule 12a columns G to K contains conditional formatting. The cells will change colour if the row totals do not add to 100%.

Inserting Additional Rows

The templates for schedules 11a, 12b and 12c may require additional rows to be inserted in tables marked 'include additional rows if needed'.

Additional rows must not be inserted directly above the first row or below the last row of a table. This is to ensure that entries made in the new row are included in the totals.

For schedule 12b the formula for column J (Utilisation of Installed Firm Capacity %) will need to be copied into the inserted row(s). Column A schedule references should not be entered in additional rows.

Schedule References

The references labelled 'sch ref' in the leftmost column of each template are consistent with the row references in the Electricity Distribution ID Determination 2012 (as issued on 21 December 2017). They provide a common reference between the rows in the determination and the template.

Description of Calculation References

Calculation cell formulas contain links to other cells within the same template or elsewhere in the workbook. Key cell references are described in a column to the right of each template. These descriptions are provided to assist data entry. Cell references refer to the row of the template and not the schedule reference.

	Company Name Marlborough Lines Limited													
	AMP Planning Period 1 April 2024 – 31 March 2034													
sc	HEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE								I					
	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.													
This	Inis information is not part of audited disclosure information.													
	af .													
sch ref														
7		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10		
8		31 Mar 24	31 Mar 25	31 Mar 26	31 Mar 27	31 Mar 28	31 Mar 29	31 Mar 30	31 Mar 31	31 Mar 32	31 Mar 33	31 Mar 34		
9	11a/i): Expandituro on Accets Earocast	ćooo (in anaminal d	- !!											
-	11a(i): Expenditure on Assets Forecast	\$000 (in nominal d		201		247		225		225		2.45		
10 11	Consumer connection	1,389	236	391 9,633	213	217	222	226 1.348	231 1,375	235 1,402	240 1,430	245		
11 12	System growth Asset replacement and renewal	5,657	9,600	7,115	16,825	1,329	1,321	1,348	1,375	1,402	1,430	1,459		
13	Asset relocations	243	342	313	320	326	333	339	346	353	360	367		
14	Reliability, safety and environment:	243	342	515	520	520	555	555	540	555	500	507		
15	Quality of supply	1,884	1,256	1,027	794	1,555	1,189	404	412	-	-	-		
16	Legislative and regulatory	-		-	-	-	-	-	-	-	-	-		
17	Other reliability, safety and environment	1,195	4,446	7,200	2,440	2,063	781	1,258	813	829	846	863		
18	Total reliability, safety and environment	3,079	5,701	8,228	3,234	3,617	1,971	1,662	1,225	829	846	863		
19	Expenditure on network assets	10,673	18,135	25,680	20,660	20,918	21,272	19,956	18,186	18,044	18,457	18,966		
20	Expenditure on non-network assets	4,865	3,319	4,086	3,916	2,159	1,821	2,572	2,393	2,441	2,490	2,539		
21	Expenditure on assets	15,538	21,454	29,766	24,577	23,077	23,094	22,528	20,578	20,485	20,946	21,505		
22 23	plus Cost of financing													
24	less Value of capital contributions													
25	plus Value of vested assets					-		-	-	-	-			
26														
20														
27	Capital expenditure forecast	15,538	21,454	29,766	24,577	23,077	23,094	22,528	20,578	20,485	20,946	21,505		
27 28	Capital expenditure forecast													
27	Capital expenditure forecast Assets commissioned	15,538	21,454	29,766 31,786	24,577	23,077	23,094 23,033	22,528	20,578	20,485	20,946	21,505 21,439		
27 28 29		15,538	19,290	31,786	25,009	23,018	23,033	22,467	20,516	20,421	20,881	21,439		
27 28 29 30		15,538 Current Year CY	19,290 CY+1	31,786 CY+2	25,009 CY+3	23,018 CY+4	23,033 CY+5	22,467 CY+6	20,516 CY+7	20,421 CY+8	20,881 CY+9	21,439 CY+10		
27 28 29		15,538	19,290	31,786	25,009	23,018	23,033	22,467	20,516	20,421	20,881	21,439		
27 28 29 30		15,538 Current Year CY	19,290 CY+1 31 Mar 25	31,786 CY+2	25,009 CY+3	23,018 CY+4	23,033 CY+5	22,467 CY+6	20,516 CY+7	20,421 CY+8	20,881 CY+9	21,439 CY+10		
27 28 29 30 31		15,538 Current Year CY 31 Mar 24	19,290 CY+1 31 Mar 25	31,786 CY+2	25,009 CY+3	23,018 CY+4	23,033 CY+5	22,467 CY+6	20,516 CY+7	20,421 CY+8	20,881 CY+9	21,439 CY+10		
27 28 29 30 31 32 33 34	Assets commissioned	15,538 Current Year CY 31 Mar 24 \$000 (in constant p 1,389 305	19,290 CY+1 31 Mar 25 rrices) 231 2,203	31,786 CY+2 31 Mar 26 374 9,223	25,009 CY+3 31 Mar 27 200 64	23,018 CY+4 31 Mar 28 200 1,223	23,033 CY+5 31 Mar 29 200 1,192	22,467 CY+6 31 Mar 30 200 1,192	20,516 CY+7 31 Mar 31 200 1,192	20,421 CY+8 31 Mar 32 200 1,192	20,881 CY+9 31 Mar 33 200 1,192	21,439 CY+10 31 Mar 34 200 1,192		
27 28 29 30 31 32 33 34 35	Assets commissioned Consumer connection System growth Asset replacement and renewal	15,538 Current Year CY 31 Mar 24 \$000 (in constant p 1,389 305 5,657	19,290 CY+1 31 Mar 25 vrices) 231 2,203 9,375	31,786 CY+2 31 Mar 26 374 9,223 6,812	25,009 CY+3 31 Mar 27 200 64 15,793	23,018 CY+4 31 Mar 28 200 1,223 14,197	23,033 CY+5 31 Mar 29 200 1,192 15,722	22,467 CY+6 31 Mar 30 200 1,192 14,489	20,516 CY+7 31 Mar 31 200 1,192 13,015	20,421 CY+8 31 Mar 32 200 1,192 12,943	20,881 CY+9 31 Mar 33 200 1,192 12,986	21,439 CY+10 31 Mar 34 200 1,192 13,101		
27 28 29 30 31 32 33 34 35 36	Assets commissioned Consumer connection System growth Asset replacement and renewal Asset relocations	15,538 Current Year CY 31 Mar 24 \$000 (in constant p 1,389 305	19,290 CY+1 31 Mar 25 rrices) 231 2,203	31,786 CY+2 31 Mar 26 374 9,223	25,009 CY+3 31 Mar 27 200 64	23,018 CY+4 31 Mar 28 200 1,223	23,033 CY+5 31 Mar 29 200 1,192	22,467 CY+6 31 Mar 30 200 1,192	20,516 CY+7 31 Mar 31 200 1,192	20,421 CY+8 31 Mar 32 200 1,192	20,881 CY+9 31 Mar 33 200 1,192	21,439 CY+10 31 Mar 34 200 1,192		
27 28 29 30 31 32 33 34 35 36 37	Assets commissioned Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment:	15,538 Current Year CY 31 Mar 24 \$000 (in constant p 1,389 305 5,657 243	19,290 CY+1 31 Mar 25 rrices) 231 2,203 9,375 334	31,786 CY+2 31 Mar 26 374 9,223 6,812 300	25,009 CY+3 31 Mar 27 200 64 15,793 300	23,018 <i>CY+4</i> 31 Mar 28 2000 1,223 14,197 300	23,033 CY+5 31 Mar 29 200 1,192 15,722 300	22,467 CY+6 31 Mar 30 200 1,192 14,489 300	20,516 <i>CY+7</i> 31 Mar 31 200 1,192 13,015 300	20,421 CY+8 31 Mar 32 200 1,192 12,943	20,881 CY+9 31 Mar 33 200 1,192 12,986	21,439 CY+10 31 Mar 34 200 1,192 13,101		
27 28 29 30 31 32 33 34 35 36 37 38	Assets commissioned Consumer connection System growth Asset replacement and renewal Asset replacement and renewal Asset replacement Reliability, safety and environment: Quality of supply	15,538 Current Year CY 31 Mar 24 \$000 (in constant p 1,389 305 5,657	19,290 CY+1 31 Mar 25 vrices) 231 2,203 9,375	31,786 CY+2 31 Mar 26 374 9,223 6,812	25,009 CY+3 31 Mar 27 200 64 15,793	23,018 CY+4 31 Mar 28 200 1,223 14,197	23,033 CY+5 31 Mar 29 200 1,192 15,722	22,467 CY+6 31 Mar 30 200 1,192 14,489	20,516 CY+7 31 Mar 31 200 1,192 13,015	20,421 CY+8 31 Mar 32 200 1,192 12,943	20,881 CY+9 31 Mar 33 200 1,192 12,986	21,439 CY+10 31 Mar 34 200 1,192 13,101		
27 28 29 30 31 32 33 34 35 36 37 38 39	Assets commissioned Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory	15,538 Current Year CY 31 Mar 24 5000 (in constant p 1,389 305 5,657 243 1,884 0	19,290 CY+1 31 Mar 25 rices) 231 2,203 9,375 334 	31,786 CY+2 31 Mar 26 374 9,223 6,812 300 984 0	25,009 CY+3 31 Mar 27 200 64 15,793 300 	23,018 CY+4 31 Mar 28 2000 1,223 14,197 300 1,431 0	23,033 CY+5 31 Mar 29 200 1,192 15,722 300 1,073 0	22,467 CY+6 31 Mar 30 200 1,192 14,489 300 358	20,516 CY+7 31 Mar 31 200 1,192 13,015 300 358 -	20,421 CY+8 31 Mar 32 200 1,192 12,943 300 -	20,881 CY+9 31 Mar 33 200 1,192 12,986 300 -	21,439 CV+10 31 Mar 34 200 1,192 1,192 300 - -		
27 28 29 30 31 32 33 34 35 36 37 38 39 40	Assets commissioned 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	15,538 Current Year CY 31 Mar 24 \$000 (in constant p 1,389 305 5,657 243 1,884 0 0 1,195	19,290 CY+1 31 Mar 25 rices) 231 2,203 9,375 334 1,226 0 4,341	31,786 CY+2 31 Mar 26 374 9,223 6,812 300	25,009 CY+3 31 Mar 27 200 64 15,793 300	23,018 <i>CY+4</i> 31 Mar 28 2000 1,223 14,197 300	23,033 CY+5 31 Mar 29 200 1,192 15,722 300 1,073 0 705	22,467 CY+6 31 Mar 30 200 1,192 14,489 300	20,516 CY+7 31 Mar 31 200 1,192 13,015 300 300 358 - 705	20,421 CY+8 31 Mar 32 200 1,192 12,943	20,881 CY+9 31 Mar 33 200 1,192 12,986	21,439 CY+10 31 Mar 34 200 1,192 13,101 300 - - 705		
27 28 29 30 31 32 33 34 35 36 37 38 39	Assets commissioned Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory	15,538 Current Year CY 31 Mar 24 5000 (in constant p 1,389 305 5,657 243 1,884 0	19,290 CY+1 31 Mar 25 rices) 231 2,203 9,375 334 	31,786 CY+2 31 Mar 26 374 9,223 6,812 3300 984 0 6,894	25,009 CY+3 31 Mar 27 200 64 15,793 300 745 0 0 2,290	23,018 CY+4 31 Mar 28 200 1,223 14,197 300 1,431 0 1,431	23,033 CY+5 31 Mar 29 200 1,192 15,722 300 1,073 0	22,467 CY+6 31 Mar 30 200 1,192 14,489 300 358 358 1,113	20,516 CY+7 31 Mar 31 200 1,192 13,015 300 358 -	20,421 CY+8 31 Mar 32 200 1,192 12,943 300 705	20,881 CY+9 31 Mar 33 200 1,192 12,986 300 	21,439 CV+10 31 Mar 34 200 1,192 1,192 300 - -		
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	Assets commissioned Consumer connection System growth Asset replacement and renewal Asset replacement and renewal Asset relability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment	15,538 Current Year CY 31 Mar 24 \$000 (in constant p 305 5,657 243 1,884 0 1,195 3,079	19,290 CY+1 31 Mar 25 rrices) 2311 2,203 9,375 334 1,226 0 4,341 5,568	31,786 CY+2 31 Mar 26 9,223 6,812 300 984 0 6,894 7,877	25,009 CY+3 31 Mar 27 200 64 15,793 300 745 0 2,290 3,035	23,018 CY+4 31 Mar 28 2000 1,223 14,197 300 1,431 0 1,898 3,329 3,329	23,033 CY+5 31 Mar 29 200 1,192 15,722 300 1,073 0 705 1,778	22,467 CV+6 31 Mar 30 1,192 14,489 300 358 1,113 1,470	20,516 CY+7 31 Mar 31 200 1,192 13,015 300 300 300 358 - 705 1,063	20,421 CY+8 31 Mar 32 200 1,192 12,943 300 705 705	20,881 CY+9 31 Mar 33 200 1,192 12,986 300 	21,439 CY+10 31 Mar 34 200 1,192 13,101 300 - - - - 705 705		
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44	Assets commissioned Consumer connection System growth Asset replacement and renewal Asset replacement and renewal Asset relocations Reliability, safety and environment Legislative and regulatory Other reliability, safety and environment Tarl reliability, safety and environment Expenditure on network assets	15,538 Current Year CY 31 Mar 24 5000 (in constant p 1,389 305 5,657 243 1,884 0 1,195 3,079 10,673	19,290 CY+1 31 Mar 25 rrices) 231 2,203 9,375 334 1,226 0 4,341 5,568 17,710	31,786 CY+2 31 Mar 26 331 Mar 26 3300 	25,009 CY+3 31 Mar 27 2000 644 15,793 300 745 0 2,290 3,035 19,393 19,393	23,018 CY+4 31 Mar 28 2000 1,223 14,197 300 1,233 14,197 300 1,233 14,197 300 1,233 14,197 300 1,233 14,197 300 1,233 14,197 1,233 14,197 1,233 14,197 1,233 14,197 1,233 14,197 1,233 1,433 1,233 1,433 1,433 1,433 1,433 1,433 1,233 1,433 1,233 1,434 1,534 1,524 1,544	23,033 CY+5 31 Mar 29 200 1,192 15,722 300 1,073 0 0 705 1,778 19,192	22,467 CY+6 31 Mar 30 200 1,192 14,489 300 300 1,113 1,470 1,7651	20,516 CY+7 31 Mar 31 200 1,192 13,015 300 300 308 308 308 309 1,063 1,070	20,421 CY+8 31 Mar 32 200 1,192 12,943 300 - - - - - - - - - - - - - - - - -	20,881 CY+9 31 Mar 33 200 1,192 12,986 300 - - - - - - - - - - - - -	21,439 CV+10 31 Mar 34 200 1,192 13,101 300 - - - - 705 705 15,498		
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45	Assets commissioned Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment Cuality of supply Legislative and regulatory Other reliability, safety and environment Expenditure on network assets Expenditure on non-network assets Expenditure on non-network assets	15,538 Current Year CY 31 Mar 24 5000 (in constant p 1,389 305 5,657 2,243 1,884 0 1,195 3,079 10,673 4,865	19,290 CY+1 31 Mar 25 rices) 231 2,203 9,375 334 	31,786 CY+2 31 Mar 26 31 M	25,009 CY+3 31 Mar 27 200 64 15,793 300 745 0 2,290 3,035 19,393 3,676	23,018 CY+4 31 Mar 28 200 1,223 14,197 300 1,431 0 1,898 3,329 19,249 1,987 1,987	23,033 CY+5 31 Mar 29 200 1,192 15,722 300 1,073 0 705 1,778 19,192 1,643	22,467 CY+6 31 Mar 30 200 1,192 14,489 300 358	20,516 CY+7 31 Mar 31 200 1,192 13,015 300 300 300 300 300 300 300 30	20,421 CY+8 31 Mar 32 200 1,192 12,943 300 -	20,881 CY+9 31 Mar 33 200 1,192 12,986 300 -	21,439 CY+10 31 Mar 34 200 1,122 1,122 1,121 3,101 3,00 - - - 705 705 15,488 2,075		
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44	Assets commissioned	15,538 Current Year CY 31 Mar 24 \$000 (in constant p 1,389 305 5,657 243 1,884 0 0 1,195 3,079 10,673 4,865 15,538	19,290 CY+1 31 Mar 25 vrices) 231 2,203 9,375 334 1,226 0 4,341 5,568 17,710 3,241 20,951	31,786 CY+2 31 Mar 26 374 9,223 6,812 300 984 0 0 6,894 7,877 24,587 3,912 28,499	25,009 CY+3 31 Mar 27 200 64 15,793 300 745 0 0 2,290 3,035 19,393 3,676 23,069	23,018 CY+4 31 Mar 28 200 1,223 14,197 300 1,431 0 1,898 3,329 19,249 1,987 1,987	23,033 CY+5 31 Mar 29 200 1,192 15,722 300 1,073 0 705 1,778 19,192 1,643	22,467 CY+6 31 Mar 30 200 1,192 14,489 300 358	20,516 CY+7 31 Mar 31 200 1,192 13,015 300 300 300 300 300 300 300 30	20,421 CY+8 31 Mar 32 200 1,192 12,943 300 -	20,881 CY+9 31 Mar 33 200 1,192 12,986 300 -	21,439 CY+10 31 Mar 34 200 1,122 1,122 1,121 3,101 3,00 - - - 705 705 15,488 2,075		
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 5 45	Assets commissioned Consumer connection System growth Asset replacement and renewal Callity of supply Legislative and regulatory Other reliability, safety and environment Catal reliability, safety and environment Expenditure on network assets Expenditure on network assets Expenditure on assets Subcomponents of expenditure on assets (where known) "EDBs' must disclase both a public version of this Schedule (excluding cybersecurity cost of	15,538 Current Year CY 31 Mar 24 \$000 (in constant p 1,389 305 5,657 243 1,884 0 1,195 3,079 10,673 4,865 15,538	19,290 CY+1 31 Mar 25 rrices) 231 2,203 9,375 334 1,226 0 4,341 5,568 17,710 3,241 20,951 ///	31,786 CY+2 31 Mar 26 9,223 6,812 300 984 0 6,834 7,877 24,587 3,912 28,499 xdule (including cybo	25,009 CY+3 31 Mar 27 200 64 15,793 300 745 0 2,290 3,035 19,393 3,676 23,069	23,018 CY+4 31 Mar 28 2000 1,223 14,197 300 1,431 0 1,898 3,329 19,249 1,987 21,236	23,033 CY+5 31 Mar 29 200 1,192 15,722 300 1,073 0 0 705 1,778 19,192 1,643 20,835	22,467 CY+6 31 Mar 30 200 1,192 14,489 300 358 1,113 1,470 17,651 2,275 19,926	20,516 CY+7 31 Mar 31 200 1,192 13,015 300 300 358 - 10,63 15,770 2,075 17,845	20,421 CY+8 31 Mar 32 200 1,192 12,943 300 	20,881 CY+9 31 Mar 33 200 1,192 12,986 300 	21,439 CY+10 31 Mar 34 200 1,192 13,101 300 - - - - - - - - - - - - -		
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47	Assets commissioned Consumer connection System growth Asset replacement and renewal Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Expenditure on non-network assets Expenditure on non-network assets Expenditure on assets Cubcomponents of expenditure on assets (where known) Stabis' must disclose both a public version of this Schedule (excluding ybersecurity cost of Energy efficiency and demand side management, reduction of energy losses	15,538 Current Year CY 31 Mar 24 \$000 (in constant p 1,389 305 5,657 243 1,884 0 1,195 3,079 10,673 4,865 15,538 xta) and a confidentia N/A	19,290 CY+1 31 Mar 25 rrices) 231 2,203 9,375 334 1,226 0 4,341 1,5568 17,710 3,241 20,951 Version of this Schi N/A	31,786 CY+2 31 Mar 26 31 Mar 26 31 Mar 26 31 Mar 26 31 Mar 26 32 Mar 26 32 Mar 26 33 Mar 26 34 Mar 26 34 Mar 26 34 Mar 26 34 Mar 26 34 Mar 26 35 Mar 26 36 Mar 26 36 Mar 26 37 Mar 26 37 Mar 26 38 Mar 27 38 Mar 26 38 Mar 2	25,009 CY+3 31 Mar 27 2000 644 15,793 300 745 0 2,290 3,035 19,393 3,676 23,069 xrsecurity costs) N/A	23,018 CY+4 31 Mar 28 2000 1,223 14,197 300 1,431 0 1,889 3,329 19,249 1,987 21,236 N/A	23,033 CY+5 31 Mar 29 200 1,192 15,722 300 1,073 0 705 1,778 19,192 1,643 20,835 N/A N	22,467 CY+6 31 Mar 30 200 1,192 14,489 300 358 1,113 1,470 17,651 2,275 19,926	20,516 CY+7 31 Mar 31 200 1,192 13,015 300 300 358 - - - - - - - - - - - - -	20,421 CY+8 31 Mar 32 200 1,192 12,943 300 	20,881 CY+9 31 Mar 33 200 1,192 12,986 300 - - - - - - - - - - - - -	21,439 CY+10 31 Mar 34 200 1,192 13,101 300 - - - - - - - - - - - - -		
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	Assets commissioned Consumer connection System growth Asset replacement and renewal Cuality of supply Legislative and regulatory Other reliability, safety and environment Cuality of supply Legislative and regulatory Other reliability, safety and environment Expenditure on network assets Expenditure on 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 of	15,538 Current Year CY 31 Mar 24 \$000 (in constant p 1,389 305 5,657 243 1,884 0 1,195 3,079 10,673 4,865 15,538	19,290 CY+1 31 Mar 25 rrices) 231 2,203 9,375 334 1,226 0 4,341 5,568 17,710 3,241 20,951 ///	31,786 CY+2 31 Mar 26 	25,009 CY+3 31 Mar 27 200 64 15,793 300 745 0 2,290 3,035 19,393 3,676 23,069	23,018 CY+4 31 Mar 28 2000 1,223 14,197 300 1,431 0 1,898 3,329 19,249 1,987 21,236	23,033 CY+5 31 Mar 29 200 1,192 15,722 300 1,073 0 0 705 1,778 19,192 1,643 20,835 N/A N 8	22,467 CY+6 31 Mar 30 200 1,192 14,489 300 358 - 1,113 1,470 17,651 2,275 19,926 /A ()	20,516 CY+7 31 Mar 31 200 1,192 13,015 300 300 358 - 10,63 15,770 2,075 17,845	20,421 CY+8 31 Mar 32 200 1,192 12,943 300 	20,881 CY+9 31 Mar 33 200 1,192 12,986 300 - - - - - - - - - - - - -	21,439 CY+10 31 Mar 34 200 1,192 13,101 300 - - - - - - - - - - - - -		
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47	Assets commissioned Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quilty 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 nassets Cobes' must disclose both a public version of this Schedule (excluding cybersecurity cost of Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion	15,538 Current Year CY 31 Mar 24 \$000 (in constant p 1,389 305 5,657 243 1,884 0 1,195 3,079 10,673 4,865 15,538 15,538 N/A N/A	19,290 CY+1 31 Mar 25 vrices) 2311 2,203 9,375 334 1,226 0 4,341 5,568 17,710 3,244 20,951 17,710 3,244 17,210 3,244 N/A N/A	31,786 CY+2 31 Mar 26 31 Mar 26 92,23 6,812 300 984 0 6,894 7,877 24,587 3,912 28,499 28,499 28,499 28,499 N/A N/A	25,009 CY+3 31 Mar 27 200 64 15,793 300 745 0 0 2,290 3,035 19,393 3,676 23,069 ersecurity costs) N/A N/A	23,018 CY+4 31 Mar 28 2000 1,223 14,197 300 1,431 0 1,889 3,329 19,249 19,847 21,236 N/A N/A N/A	23,033 CY+5 31 Mar 29 200 1,192 15,722 300 1,073 0 0 705 1,778 19,192 1,643 20,835 N/A N 8	22,467 CY+6 31 Mar 30 200 1,192 14,489 300 358 - 1,113 1,470 17,651 2,275 19,926 /A ()	20,516 CY+7 31 Mar 31 200 1,192 13,015 300 358 - 705 1,063 15,770 2,075 17,845 V/A V/A	20,421 CY+8 31 Mar 32 200 1,192 12,943 300 - - - - - - - - - - - - -	20,881 CY+9 31 Mar 33 200 1,192 12,986 300 - - - - - - - - - - - - -	21,439 CY+10 31 Mar 34 200 1,192 13,101 300 - - - - 705 705 15,498 2,075 15,498 2,075 17,573 N/A N/A		

Marlborough Lines Limited Company Name 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.

68

s	icn ref												
	52		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	Сү+9	CY+10
	53		31 Mar 24	31 Mar 25	31 Mar 26	31 Mar 27	31 Mar 28	31 Mar 29	31 Mar 30	31 Mar 31	31 Mar 32	31 Mar 33	31 Mar 34
	54	Difference between nominal and constant price forecasts	\$000										
	55	Consumer connection	0	6	17	13	17	22	26	31	35	40	45
	56	System growth	0	53	410	4	106	129	156	183	210	238	267
	57	Asset replacement and renewal	0	225	303	1,032	1,231	1,704	1,892	1,994	2,281	2,594	2,932
	58	Asset relocations	0	8	13	20	26	33	39	46	53	60	67
	59	Reliability, safety and environment:											
	60	Quality of supply	0	29	44	49	124	116	47	55	0	0	0
	61	Legislative and regulatory	0	0	0	0	0	0	0	0	0	0	0
	62	Other reliability, safety and environment	0	104	307	150	165	76	145	108	124	141	158
	63	Total reliability, safety and environment	0	134	350	198	289	193	192	163	124	141	158
	64	Expenditure on network assets	0	425	1,094	1,268	1,668	2,081	2,305	2,416	2,704	3,073	3,468
	65	Expenditure on non-network assets	0	78	174	240	172	178	297	318	366	415	464
	66	Expenditure on assets	0	503	1,268	1,508	1,841	2,259	2,602	2,734	3,070	3,488	3,932
	67												

Commentary on options and considerations made in the assessment of forecast expenditure

69 EDBs may provide explanatory comment on the options they have considered (including scenarios used) in assessing forecast expenditure on assets for the current disclosure year and a 10 year planet disclosure year and a 10 year planet disclosure yea	ning perio
71	
72 Current Year CY CY+1 CY+2 CY+3 CY+4 CY+2	
31 Mar 24 31 Mar 25 31 Mar 26 31 Mar 27 31 Mar 28 31 Mar	29
73 11a(ii): Consumer Connection	
74 Consumer types defined by EDB* \$000 (in constant prices)	
75 Residential 128 92 150 80 80	80
76 General 854 92 150 80 80	80
77 Commercial and Industrial 379 46 75 40 40	40
78 Irrigation 27	-
79	
80 *include additional rows if needed	
81 Consumer connection expenditure 1,389 231 374 200 200	200
82 less Capital contributions funding consumer connection	
83 Consumer connection less capital contributions 1,389 231 374 200 200	200
84 11a(iii): System Growth	
85 Subtransmission 132 1,367 5,599	-
86 Zone substations 63 780 3,309 - -	-
87 Distribution and LV lines - - 64 1,223	-
88 Distribution and LV cables 7 56 315 - -	1,192
89 Distribution substations and transformers 103	-
90 Distribution switchgear	
91 Other network assets a	
92 System growth expenditure 305 2,203 9,223 64 1,223	1,192
93 less Capital contributions funding system growth and the second secon	
94 System growth less capital contributions 305 2,203 9,223 64 1,223	1,192
95	

Company Name **Marlborough Lines Limited** AMP Planning Period 1 April 2024 – 31 March 2034 SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE This schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and a 10 year planning period. The 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. sch ref Current Year CY CY+1 CY+2 CY+3 CY+4 CY+5 96 31 Mar 25 31 Mar 27 31 Mar 28 31 Mar 29 97 31 Mar 24 31 Mar 26 98 11a(iv): Asset Replacement and Renewal \$000 (in constant prices) 99 Subtransmission 893 1,702 804 300 100 Zone substations 1.627 3,682 1.449 2.77 986 103 101 Distribution and LV lines 2,410 2,308 2,611 10,899 10,439 10,873 102 Distribution and LV cables 140 206 300 56 56 562 103 Distribution substations and transformers 210 815 88 951 951 439 2,286 104 Distribution switchgear 1.637 672 958 1.531 105 Other network assets 27 106 5.657 Asset replacement and renewal expenditure 9,375 6.812 15,79 14,197 15,722 107 less Capital contributions funding asset replacement and renewal 9.375 14,197 15.722 108 5.657 6.812 15.793 Asset replacement and renewal less capital contributions 109 110 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 29 111 11a(v): Asset Relocations 112 113 Project or programme* \$000 (in constant prices) 114 **Roading Authority** 300 115 Transpower 34 116 117 118 119 *include additional rows if needed 120 All other project or programmes - asset relocations 121 243 300 Asset relocations expenditure 334 30 30 300 122 less Capital contributions funding asset relocations 123 Asset relocations less capital contributions 243 334 300 300 124 125 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 29 126 11a(vi): Quality of Supply 127 128 Project or programme* \$000 (in constant prices) 129 33kV network development and enhancement 1 5 2 2 556 130 Network Automation 315 533 35 35 131 Digitial Radio Network 47 132 133 134 *include additional rows if needed 135 All other projects or programmes - quality of supply 295 451 387 1.073 1.073 136 Quality of supply expenditure 1,884 1,226 984 745 1,431 1,073

1,226

1.884

984

1,073

1.43

137

138

139

less Capital contributions funding quality of supply

Quality of supply less capital contributions

								Company Name	Marlborough Lines Limited
								AMP Planning Period	1 April 2024 – 31 March 2034
50	HEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE							· · · · · · · · · · · · · · · · · · ·	
	s schedule requires a breakdown of forecast expenditure on assets for the current disclosure year ar	ad a 10 year planning or	rind The forecasts	should be consisten	t with the support	ng information set o	ut in the AMP. The	forecast is to be expressed in both constant	price and nominal dollar terms. Also required is a
	ecast of the value of commissioned assets (i.e., the value of RAB additions)	nd a 10 year planning pe	eriod. The forecasts	snould be consisten	it with the support	ng information set o	out in the AMP. The	forecast is to be expressed in both constant	price and nominal dollar terms. Also required is a
	Is must provide explanatory comment on the difference between constant price and nominal dollar	forecasts of expenditur	e on assets in Scheo	dule 14a (Mandator	Explanatory Notes). EDBs must expres	ss the information i	n this schedule (11a) as a specific value rath	er than ranges. Any supporting information about
	se values may be disclosed in Schedule 15 (Voluntary Explanatory Notes).								
This	information is not part of audited disclosure information.								
sch ref									
Í									
140		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5		
141		31 Mar 24	31 Mar 25	31 Mar 26	31 Mar 27	31 Mar 28	31 Mar 29		
142	11a(vii): Legislative and Regulatory								
143	Project or programme*	\$000 (in constant pr	ices)						
144									
145									
146		+							
147 148		+							
148 149	*include additional rows if needed								
149	All other projects or programmes - legislative and regulatory	Г		1		1			
151	Legislative and regulatory expenditure	0	0	0	0	0	0		
152	less Capital contributions funding legislative and regulatory								
153	Legislative and regulatory less capital contributions	0	0	0	0	0	0		
154									
155		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		
156	11a(viii): Other Reliability, Safety and Environment								
157	Project or programme*	\$000 (in constant pr	ices)						
158	Advanced Distribution Management System (ADMS)	124	1,966	1,966	621	621	-		
159	Spring Creek Upgrade	22	485	2,425	323	-	-		
	SCADA	68	-	-	-	-	-		
	Network Automation	50	-	-	-	-	-		
160	Distribution Pillar Replacements	3	200 547	200 665	200	200	200 405		
161 162	Distribution TX Replacements (OH to UG) Tee-joint Removals	286	547	100	405 100	405 100	405		
162	*include additional rows if needed	/3	100	100	100	100	100		
164	All other projects or programmes - other reliability, safety and environment	569	1,043	1,538	641	572	0		
165	Other reliability, safety and environment expenditure	1,195	4,341	6,894	2,290	1,898	705		
166	less Capital contributions funding other reliability, safety and environment								
167	Other reliability, safety and environment less capital contributions	1,195	4,341	6,894	2,290	1,898	705		
168									
			614 A	<i></i>	614 B	C ()	2 4.5		
169		Current Year CY 31 Mar 24	CY+1 31 Mar 25	CY+2 31 Mar 26	CY+3 31 Mar 27	CY+4 31 Mar 28	CY+5 31 Mar 29		
170		31 War 24	51 War 25	51 War 26	ST IMIAL 21	51 War 28	ST IVIAL 29		
171	11a(ix): Non-Network Assets								
172	Routine expenditure								
173	Project or programme*	\$000 (in constant pr							
174	Test Equipment	78	50	50	50	50	50		
175	Plant and Tools	374	350	350	350	350	350		
	Vehicles	2,487	1,742	1,029	793	1,062	768		
	Radio Equipment	71	25	25	5	5	25		
176	Office Furniture & Equipment	1,284	125	125	125	125	125		
176 177	Land and buildings IT Hardware	492	500	400	300	300	300		
177	Software	80	20	20	20	20	20		
179	*include additional rows if needed		20	20	20	20	20		
180	All other projects or programmes - routine expenditure								
181	Routine expenditure	4,865	2,817	2,004	1,768	1,987	1,643		
182	Atypical expenditure								
183	Project or programme*								
184	NOC Building	-	424	1,908	1,908	-	-		
189	*include additional rows if needed								
190	All other projects or programmes - atypical expenditure								
191	Atypical expenditure	0	424	1,908	1,908	0	0		

	Company Name	Marlborough Lines Limited
	AMP Planning Period	1 April 2024 – 31 March 2034
SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE		
This schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and	a 10 year planning period. The forecasts should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both con-	stant price and nominal dollar terms. Also required is a
forecast of the value of commissioned assets (i.e., the value of RAB additions)	recasts 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).	ecasts of expenditure on assets in schedule 144 (Mandatory explanatory Notes). EDBs must express the information in this schedule (114) as a specific value	rather than ranges. Any supporting information about
This information is not part of audited disclosure information.		
sch ref		
192		
193 Expenditure on non-network assets	4,865 3,241 3,912 3,676 1,987 1,643	
194		

9

	Company Name Marlborough Lines Limited													
			Company Name											
		AMP	Planning Period	1 April	2024 – 31 Mar	ch 2034								
porting informatior itory Notes).														
CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	СҮ+10								
31 Mar 28	31 Mar 29	31 Mar 30	31 Mar 31	31 Mar 32	31 Mar 33	31 Mar 34								
	00 - 2 0													
1,630	1,663	1,696	1,730	1,764	1,800	1,836								
2,554	2,549	2,544	2,537	2,529	2,520	2,570								
4,836	4,877	4,918	4,959	5,058	5,159	5,262								
869	887	904	923	941	960	979								
9,889	9,976	10,062	10,148	10,292	10,438	10,647								
6,140	6,263	6,388	6,516	6,646	6,779	6,914								
6,194	6,318	6,444	6,573	6,705	6,839	6,976								
12,334	12,580	12,832	13,089	13,350	13,617	13,890								
22,223	22,556	22,894	23,237	23,643	24,056	24,537								
CY+4 31 Mar 28	CY+5 31 Mar 29	CY+6 31 Mar 30	CY+7 31 Mar 31	CY+8 31 Mar 32	CY+9 31 Mar 33	CY+10 31 Mar 34								
1,500	1,500	1,500	1,500	1,500	1,500	1,500								
2,350	2,300	2,250	2,200	2,150	2,100	2,100								
4,450	4,400	4,350	4,300	4,300	4,300	4,300								
800	800	800	800	800	800	800								
9,100	9,000	8,900	8,800	8,750	8,700	8,700								
5,650	5,650	5,650	5,650	5,650	5,650	5,650								
5,700	5,700	5,700	5,700	5,700	5,700	5,700								
11,350	11,350	11,350	11,350	11,350	11,350	11,350								
20,450	20,350	20,250	20,150	20,100	20,050	20,050								
N/A	N/A	N/A	N/A	N/A	N/A	N/A								
N/A	N/A	N/A	N/A	N/A	N/A	N/A								
N/A	N/A	N/A	N/A	N/A	N/A	N/A								
485	485	485	485	485	485	485								
485 485 CY+4 CY+5 31 Mar 28 31 Mar 29		CY+6 31 Mar 30	CY+7 31 Mar 31	CY+8 31 Mar 32	CY+9 31 Mar 33	CY+10 31 Mar 34								
130	163	196	230	264	300	336								
204	249	294	337	379	420	470								
386	477	568	659	758	859	962								
69	87	104	123	141	160	179								
789	976	1,162	1,348	1,542	1,738	1,947								
490	613	738	866	996	1,129	1,264								
494	618	744	873	1,005	1,139	1,276								
984	1,230	1,482	1,739	2,000	2,267	2,540								

									Г							
	Company Name Marlborough Lines Limited AMP Planning Period 1 April 2024 – 31 March 2034															
								AMP	Planning Period	1 April	2024 – 31 March	1 2034				
	SCHEDULE 11b: REPORT ON FORECAST OPERATIONAL EXE	CHEDULE 11b: REPORT ON FORECAST OPERATIONAL EXPENDITURE														
	his schedule requires a breakdown of forecast operational expenditure for the 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.															
	DBs must provide explanatory comment on the difference between constant price and nominal dollar operational expenditure forecasts in Schedule 14a (Mandatory Explanatory Notes). nis information is not part of audited disclosure information.															
	This information is not part of addited disclosure information.															
	n ref															
		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10				
à	8 for year ended	31 Mar 24	31 Mar 25	31 Mar 26	31 Mar 27	31 Mar 28	31 Mar 29	31 Mar 30	31 Mar 31	31 Mar 32	31 Mar 33	31 Mar 34				
	9 Operational Expenditure Forecast	\$000 (in nominal do	ollars)													
1		1,710	1,536	1,567	1,598	1,630	1,663	1,696	1,730	1,764	1,800	1,836				
1		2,250	2,560	2,559	2,557	2,554	2,549	2,544	2,537	2,529	2,520	2,570				
1		5,300	4,710	4,752	4,794	4,836	4,877	4,918	4,959	5,058	5,159	5,262				
1		1,027	819	836	852	869	887	904	923	941	960	979				
14		10,287	9,626	9,714	9,801	9,889	9,976	10,062	10,148	10,292	10,438	10,647				
1	5 System operations and network support	4,875	5,683	5,901	6,019	6,140	6,263	6,388	6,516	6,646	6,779	6,914				
1		5,950	5,837	5,954	6,073	6,194	6,318	6,444	6,573	6,705	6,839	6,976				
1	7 Non-network opex	10,825	11,520	11,855	12,092	12,334	12,580	12,832	13,089	13,350	13,617	13,890				
18	8 Operational expenditure	21,112	21,146	21,569	21,893	22,223	22,556	22,894	23,237	23,643	24,056	24,537				
1		Current Veer CV	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10				
19 20		Current Year CY 31 Mar 24	31 Mar 25	31 Mar 26	31 Mar 27	31 Mar 28	31 Mar 29	31 Mar 30	31 Mar 31	31 Mar 32	31 Mar 33	31 Mar 34				
20		51 Widi 24	51 Widi 25	51 14181 20	51 14101 27	51 14181 20	51 14101 25	51 Wiai 50	ST WIGH ST	51 Widi 52	51 10101 55	51 Widi 54				
2	1	\$000 (in constant p	rices)													
2		1,710	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500				
2		2,250	2,500	2,450	2,400	2,350	2,300	2,250	2,200	2,150	2,100	2,100				
24	4 Routine and corrective maintenance and inspection	5,300	4,600	4,550	4,500	4,450	4,400	4,350	4,300	4,300	4,300	4,300				
2	5 Asset replacement and renewal	1,027	800	800	800	800	800	800	800	800	800	800				
20	6 Network Opex	10,287	9,400	9,300	9,200	9,100	9,000	8,900	8,800	8,750	8,700	8,700				
2		4,875	5,550	5,650	5,650	5,650	5,650	5,650	5,650	5,650	5,650	5,650				
28		5,950	5,700	5,700	5,700	5,700	5,700	5,700	5,700	5,700	5,700	5,700				
2:		10,825 21,112	11,250 20,650	11,350 20,650	11,350 20,550	11,350 20,450	11,350 20,350	11,350 20,250	11,350 20,150	11,350 20,100	11,350 20,050	11,350 20,050				
30	0 Operational expenditure	21,112	20,050	20,050	20,550	20,450	20,350	20,250	20,150	20,100	20,050	20,050				
3	Subcomponents of operational expenditure (where known)															
3																
3		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A N	N/A				
34		N/A		N/A		N/A										
3	5 Research and Development	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A N	N/A				
30	6 Insurance	479	485	485	485	485	485	485	485	485	485	485				
3	7 * Direct billing expenditure by suppliers that direct bill the majority of their consumers															
38																
3		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	СҮ+6	CY+7	CY+8	CY+9	CY+10				
40	0 for year ended	31 Mar 24	31 Mar 25	31 Mar 26	31 Mar 27	31 Mar 28	31 Mar 29	31 Mar 30	31 Mar 31	31 Mar 32	31 Mar 33	31 Mar 34				
4	Difference between nominal and real forecasts	\$000														
4			36	67	98	130	163	196	230	264	300	336				
4			60	109	157	204	249	294	337	379	420	470				
4		-	110	202	294	386	477	568	659	758	859	962				
4		-	19	36	52	69	87	104	123	141	160	179				
4	6 Network Opex	-	226	414	601	789	976	1,162	1,348	1,542	1,738	1,947				
4	7 System operations and network support	-	133	251	369	490	613	738	866	996	1,129	1,264				
4		-	137	254	373	494	618	744	873	1,005	1,139	1,276				
4																
4 5		-	270 496	505 919	742 1,343	984 1,773	1,230 2,206	1,482 2,644	1,739 3,087	2,000 3,543	2,267 4,006	2,540 4,487				

Company Name

AMP Planning Period

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 ref 7

	8 9	Voltage	Asset category	Asset class	Units	H1	H2	H3	Н4	H5	Grade unknown	Data accuracy (1–4)	% of asset forecast to be replaced in next 5 years
1	0	All	Overhead Line	Concrete poles / steel structure	No.	0.09%	6.52%	15.44%	58.05%	19.90%	0.16%	3	3.00%
1	1	All	Overhead Line	Wood poles	No.	0.40%	11.44%	28.06%	56.24%	3.86%	0.19%	3	5.00%
1	2	All	Overhead Line	Other pole types	No.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1	3 1	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	5.90%	13.75%	35.91%	9.47%	34.97%	-	3	4.00%
1	4 1	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1	5 I	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	-	0.18%	-	10.06%	89.76%	-	3	-
1	6 1	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1	7 1	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1	8 1	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	-	-	100.00%	0.02%	3	-
1	9 I	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	0 1	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	1	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	2 1	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	3 1	HV	Subtransmission Cable	Subtransmission submarine cable	km	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	4 1	HV	Zone substation Buildings	Zone substations up to 66kV	No.	-	-	-	50.00%	50.00%	-	4	-
2	5 1	HV	Zone substation Buildings	Zone substations 110kV+	No.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	6 1	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	-	-	-	12.50%	87.50%	-	4	-
2	7 1	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	-	-	-	90.00%	10.00%	-	4	-
2	8 1	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	9 I	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	-	-	23.81%	28.57%	47.62%	-	3	6.00%
3	0 1	HV	Zone substation switchgear	33kV RMU	No.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	1	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	2 1	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	3 1	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	-	-	-	23.24%	76.76%	-	3	-
3	4	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	-	57.14%	42.86%	-	3	-
3	5												

Marlborough Lines Limited 1 April 2024 – 31 March 2034

Asset condition at start of planning period (percentage of units by grade)

Company Name

AMP Planning Period

SCHEDULE 12a: REPORT ON ASSET CONDITION

sch rof

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

sch rej 36						Asset (ondition at star	t of planning pe	riod (ner
37						ASSEE			nou (per
	Voltage	Asset category	Asset class	Units	H1	H2	H3	H4	Н5
38									
39	HV	Zone Substation Transformer	Zone Substation Transformers	No.	-	6.45%	12.90%	22.58%	58.
40	HV	Distribution Line	Distribution OH Open Wire Conductor	km	3.53%	19.69%	31.76%	17.53%	27.
41	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	-	100.
42	HV	Distribution Line	SWER conductor	km	0.66%	15.76%	47.62%	27.55%	8.
43	HV	Distribution Cable	Distribution UG XLPE or PVC	km	2.45%	1.30%	0.23%	23.91%	72.
44	HV	Distribution Cable	Distribution UG PILC	km	-	-	-	89.79%	10.
45	HV	Distribution Cable	Distribution Submarine Cable	km	N/A	N/A	N/A	N/A	
46	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	-	1.90%	11.43%	11.43%	75.
47	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	-	13.64%	22.73%	-	63.
48	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	1.12%	3.21%	15.54%	31.50%	48.
49	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	-	10.30%	71.80%	17.90%	
50	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	-	5.90%	33.80%	32.00%	28.
51	HV	Distribution Transformer	Pole Mounted Transformer	No.	0.20%	15.29%	46.01%	24.69%	13.
52	HV	Distribution Transformer	Ground Mounted Transformer	No.	-	8.64%	33.46%	38.60%	19.
53	HV	Distribution Transformer	Voltage regulators	No.	-	-	19.35%	61.30%	19.
54	HV	Distribution Substations	Ground Mounted Substation Housing	No.	N/A	N/A	N/A	N/A	
55	LV	LV Line	LV OH Conductor	km	10.02%	28.71%	41.18%	10.59%	9.
56	LV	LV Cable	LV UG Cable	km	4.27%	2.49%	2.82%	32.58%	57.
57	LV	LV Streetlighting	LV OH/UG Streetlight circuit	km	-	0.33%	8.44%	34.19%	57.
58	LV	Connections	OH/UG consumer service connections	No.	N/A	N/A	N/A	N/A	
59	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	0.46%	5.00%	49.32%	31.51%	13.
60	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	-	-	100.00%	-	
61	All	Capacitor Banks	Capacitors including controls	No.	-	100.00%	-	-	
62	All	Load Control	Centralised plant	Lot	-	-	-	100.00%	
63	All	Load Control	Relays	No.	N/A	N/A	N/A	N/A	
64	All	Civils	Cable Tunnels	km	N/A	N/A	N/A	N/A	

Marlborough Lines Limited 1 April 2024 – 31 March 2034

I (percentage of units by grade)

Н5	Grade unknown	Data accuracy (1–4)	% of asset forecast to be replaced in next 5 years
58.07%	-	4	9.60%
27.49%	-	3	7.00%
100.00%	-	4	-
8.41%	-	3	1.00%
72.11%	0.67%	3	1.00%
10.21%	0.39%	3	-
N/A	N/A	N/A	N/A
75.24%	-	3	3.00%
63.63%	-	3	20.00%
48.63%	2.00%	3	2.00%
-	-	3	4.00%
28.30%		3	4.00%
13.81%	0.49%	3	2.00%
19.30%	-	3	2.00%
19.35%	-	3	3.00%
N/A	N/A	N/A	N/A
9.50%	27.33%	2	6.50%
57.84%	2.32%	3	1.00%
57.04%	3.69%	2	1.00%
N/A	N/A	N/A	N/A
13.71%		4	20.00%
-	-	3	100.00%
-	-	2	-
-	-	4	-
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Company Name AMP Planning Period

SCHEDULE 12b: REPORT ON FORECAST CAPACITY

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

sch ref

7 **12b(i): System Growth - Zone Substations**

							Utilisation of		Utilisation of		
8	8			Installed Firm	Security of Supply		Installed Firm	Installed Firm	Installed Firm	Installed Firm Capacity	
		Existing Zone Substations	Current Peak Load (MVA)	Capacity (MVA)	Classification	Transfer Capacity (MVA)	Capacity %	Capacity +5 years (MVA)	Capacity + 5yrs %	Constraint +5 years (cause)	
9		Cloudy Bay	(WVA)		(type) N - 1		33%	(IVIVA) 17		No constraint within +5 years	٦
10		Havelock	3		N - 1	0	50%	17		No constraint within +5 years	+
		Leefield	3		N	2		5			+
11		Linkwater	2			1	38%	5		No constraint within +5 years	+
12		Nelson St	3		N	1	70%	5		No constraint within +5 years	+
13			14		N - 1	10	85%	20		No constraint within +5 years	+
14		Picton	7		N - 1	-	46%	15		No constraint within +5 years	+
15		Rai Valley	2		N	1	67%	5		No constraint within +5 years	+
16	5	Redwoodtown	10	15	N - 1	8	69%	15	75%	No constraint within +5 years	4
17	7	Riverlands	10	10	N - 1	8	102%	10	115%	Transformer	\downarrow
18	8	Seddon	6	10	N - 1	1	56%	10	61%	No constraint within +5 years	
19	9	Spring Creek	3	5	N - 1	4	69%	10	38%	No constraint within +5 years	
20	2	Springlands	9	17	N - 1	10	54%	17	59%	No constraint within +5 years	
21	1	Тарр	10	17	N - 1	5	59%	17	56%	No constraint within +5 years	Τ
22	2	Ward	1	5	N	1	15%	5	15%	No constraint within +5 years	T
23	3	Waters	7	17	N - 1	10	43%	17	47%	No constraint within +5 years	T
24	4	Woodbourne	8	10	N - 1	5	81%	17	55%	No constraint within +5 years	1
25	5	Wairau Valley	-	-	-	-	-	8	53%	No constraint within +5 years	T
26	5						-				Τ
27	7						-				
28	8						-				1

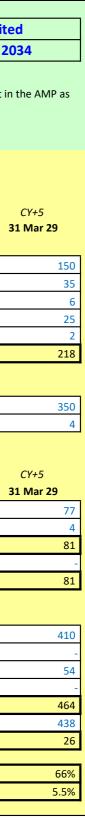
Marlborough Lines Limited
1 April 2024 – 31 March 2034
Explanation
lanned installation of fans to increase TX rating to 20MVA ONAF
lanned TX replacement, T1 increases from 3MVA to 5MVA.
iverlands and Cloudy Bay substations are complementary. In the
5 year period, MLL plans to use the transfer capacity between
nese substations as added security for Riverlands, minimising th
sk associated with operating Riverlands above its firm capacity.
leased TV and a second to 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,
lanned TX replacement, T1 & T2 replaced with 10MVA TXs.
lanned TV replacement T1 9 T2 replaced with 10 FAM/A TV-
lanned TX replacement, T1 & T2 replaced with 16.5MVA TXs.
uture substation (N security, some transfer capacity with Tapp).

Company Name Marlborough Lines Lines	mited
AMP Planning Period 1 April 2024 – 31 Marc	ch 2034

SCHEDULE 12C: REPORT ON FORECAST NETWORK DEMAND

This schedule requires a forecast of new connections (by consumer type), peak demand and energy volumes for the disclosure year and a 5 year planning period. The forecasts should be consistent with the supporting information set out in the AMP as well as the assumptions used in developing the expenditure forecasts in Schedule 11a and Schedule 11b and the capacity and utilisation forecasts in Schedule 12b.

1	2c(i): Consumer Connections						
	Number of ICPs connected in year by consumer type				Number of co	onnections	
			Current Year CY	CY+1	CY+2	CY+3	
		for year ended	31 Mar 24	31 Mar 25	31 Mar 26	31 Mar 27	3
	Consumer types defined by EDB*						
	Residential		113	150	150	150	
	General		45	35	35	35	
	Commercial and Industrial		9	6	6	6	
	Irrigation		8	8	8	12	
	Other (MLL, unmetered, Street lights etc)		2	2	2	2	
	Connections total		177	201	201	205	
	*include additional rows if needed						
	Distributed generation						
	Number of connections		242	250	270	290	
	Capacity of distributed generation installed in year (MVA)	l	2	6	7	13	
12	2c(ii) System Demand						
			Current Year CY	CY+1	CY+2	CY+3	
	Maximum coincident system demand (MW)	for year ended	31 Mar 24	31 Mar 25	31 Mar 26	31 Mar 27	3
	GXP demand		74	75	75	76	
	GAP demand						
	plus Distributed generation output at HV and above		3	3	4	4	
			3 77	3 78	4 79	4 80	
	plus Distributed generation output at HV and above					-	
	<i>plus</i> Distributed generation output at HV and above Maximum coincident system demand					-	
	plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points		<mark>777</mark>	<mark>78</mark> -	79 -	80	
	plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried (GWh)		77	78 - 78	79 - 79	80 - 80	
	plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried (GWh) Electricity supplied from GXPs		<mark>777</mark>	<mark>78</mark> -	79 -	80	
	plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried (GWh) Electricity supplied from GXPs less Electricity exports to GXPs		- 77 77 77 402 -	78 - 78 405 -	79 - 79 407 -	80 - 80 403 -	
	plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried (GWh) Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation		77	78 - 78	79 - 79	80 - 80	
	plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried (GWh) Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs		777 	78 	79 - 79 407 - 30	80 	
	plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried (GWh) Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to ICPs		777 - 777 402 - 18 - 420	78 - 78 405 - 24 - 429	79 - 79 407 - 30 - 437	80 - 80 403 - 43 - 446	
	plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried (GWh) Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs		777 	78 	79 - 79 407 - 30	80 	
	plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried (GWh) Electricity supplied from GXPs less Electricity exports to GXPs 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 Losses		777 	78 	79 - 79 407 - 30 - 437 413 24	80 	
	plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried (GWh) Electricity supplied from GXPs less Electricity exports to GXPs 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		777 	78 	79 - 79 407 - 30 - 437 413	80 - 80 80 403 - 43 43 - 446 421	



65% 5.5%

	Company Name					Marlborough Lines Limited			
			AMP	Planning Period	1 April 2024 – 31 March 2034				
			Network / Sub-	network Name					
SC	HEDULE 12d: REPORT FORECAST INTERRUPTIONS AND DURATION	N		L					
This schedule requires a forecast of SAIFI and SAIDI for disclosure and a 5 year planning period. The forecasts should be consistent with the supporting information set out in the AMP as well as the assumed impact of planned and unplanned SAIFI and SAIDI on the expenditures forecast provided in Schedule 11a and Schedule 11b.									
8 9 10	for year end	Current Year CY ed 31 Mar 24	CY+1 31 Mar 25	CY+2 31 Mar 26	CY+3 31 Mar 27	CY+4 31 Mar 28	CY+5 31 Mar 29		
11	Class B (planned interruptions on the network)	94.0	72.0	72.0	72.0	72.0	72.0		
12	Class C (unplanned interruptions on the network)	88.0	93.0	85.0	85.0	85.0	85.0		
13	SAIFI								
14	Class B (planned interruptions on the network)	0.38	0.50	0.50	0.50	0.50	0.50		
15	Class C (unplanned interruptions on the network)	1.25	1.20	1.10	1.10	1.10	1.10		

5	sch re	f					
	8		Current Year CY	CY+1	CY+2	CY+3	CY+4
	9	for year en	ded 31 Mar 24	31 Mar 25	31 Mar 26	31 Mar 27	31 Mar 28
	10	SAIDI					
	11	Class B (planned interruptions on the network)	94.0	72.0	72.0	72.0	72.
	12	Class C (unplanned interruptions on the network)	88.0	93.0	85.0	85.0	85.
	13	SAIFI					
	14	Class B (planned interruptions on the network)	0.38	0.50	0.50	0.50	0.5
	15	Class C (unplanned interruptions on the network)	1.25	1.20	1.10	1.10	1.1

Company Name Marlborough Lines Limited

For Year Ended 31 March 2024

Schedule 14a Mandatory Explanatory Notes on Forecast Information

(In this Schedule, clause references are to the Electricity Distribution Information Disclosure Amendment Determination 2022)

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

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

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

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

Box 1: Commentary on difference between nominal and constant price capital expenditure forecasts Please refer to section 11.1.1 of the 2023 AMP.

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

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

Box 2: Commentary on difference between nominal and constant price operational expenditure forecasts Please refer to section 11.1.1 of the 2023 AMP.

Schedule 17 - Certification for Year-Beginning Disclosures

Pursuant to Schedule 17 Clause 2.9.1

We, Philip Ian Robinson and Christopher Jonathan Ross, being directors of Marlborough Lines Limited certify that, having made all reasonable enquiry, to the best of our knowledge:

- the following attached information of Marlborough Lines Limited prepared for the a) 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.
- The forecasts in Schedules 11a, 11b, 12a, 12b, 12c and 12d are based on objective c) and reasonable assumptions which both align with Marlborough Lines Limited's corporate vision and strategy and are documented in retained records.

Signed by:

PI Robinson

21 March 2024

Date

onaline Kris

31 March DOD

Date

CJ Ross