

Nelson Electricity Ltd Asset Management Plan Update

April 2022 - March 2032

April 2022



Nelson Electricity Ltd central Nelson city view

In accordance with the Commerce Act Electricity Distribution Information Disclosure Determination 2012

Nelson Electricity Limited - Asset Management Plan Update 2019-2029

SCHEDULE 17 Certification of Year-beginning Disclosures

Clause 2.9.1

We, Philip Ian Robinson and Oliver Rupert Kearney, being directors of Nelson Electricity Limited certify that, having made all reasonable inquiry, to the best of our knowledge:

- a) The following attached information of Nelson Electricity Limited prepared for the purposes of clauses 2.4.1, 2.6.1, 2.6.3, 2.6.6 and 2.7.2 of the Electricity Distribution Information Disclosure Determination 2012 in all material respects complies with that determination.
- b) The prospective financial or non-financial information included in the attached information has been measured on a basis consistent with regulatory requirements or recognised industry standards.
- c) The forecasts in Schedules 11a, 11b, 12a, 12b, 12c and 12d are based on objective and reasonable assumptions which both align with Nelson Electricity Limited's corporate vision and strategy and are documented in retained records.

Signed Signed

Date 31 March 2022 Date 31 March 2022

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SECTION 1 - Asset Management Plan Update

This Asset Management Plan is prepared as the key internal asset planning document for Nelson Electricity. It is also designed to meet Electricity Distribution Information Disclosure Determination 2012.

Nelson Electricity has reviewed the 2021–2031 Asset Management Plan and has determined that there have not been any significant material changes to the plan and forecasts and has opted to disclose an update as per Electricity Distribution Information Disclosure Determination 2012 clause 2.6.3 instead of disclosing a full Asset Management Plan.

SECTION 2 - Development Plan - Material Changes

The Development Plan that is used as a basis for this Asset Management Plan update is not materially different from that disclosed in the 2021-2031 Asset Management Plan. This update is based on the peak demand (MW) remaining unchanged at 35MVA and kWh consumption remaining at current levels. The 2021-2022 years consumption is tracking at only 0.5% above previous year's volumes.

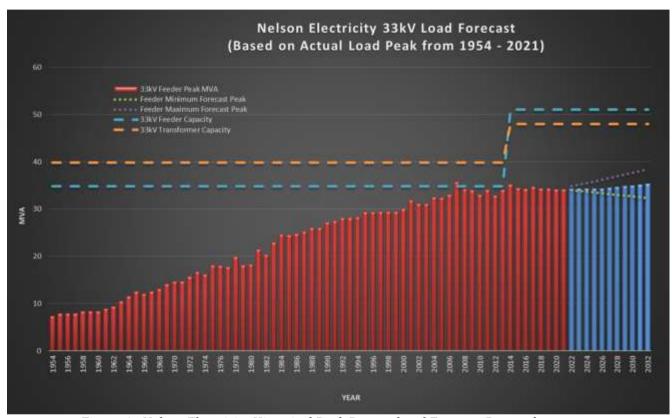


Figure 1: Nelson Electricity Historical Peak Demand and Forecast Demand



Figure 2: Nelson Electricity Historical GXP and Billed Consumption MWh

SECTION 3 - Lifecycle Management (Maintenance and Renewal) - Material Changes

There were no material changes to the lifecycle management since the April 2021 Asset Management Plan disclosure.

The financial impact is outlined in Section 4.

SECTION 4 – Capital and Operational Expenditure Forecast – Material Changes

Capital Expenditure

There is no material change to the Asset Management Plan for the period 2022-2032.

Capital Expenditure for the 2021-2022 year is forecast to be \$1.45M or 12.3% under the \$1.655M budget (excluding developer driven projects). This has been primarily due to switchgear supply chain issues. The delayed work will be completed in the 2022-2023 year of the planning period. Several developer driven projects have also been delayed or did not proceed as planned. Provision for these projects has been moved into the current planning period.

Nelson Electricity continually reviews and prioritises planned projects. Where possible Nelson Electricity may reschedule projects within the Capital Expenditure Plan to align with Nelson City Council and other utility operator activities to minimise disruption and civil costs.

Operational Expenditure

Network Operational Expenditure FY2022 is forecast to be \$117k or 15% over the \$783k budget. This variance is due to three key reasons:

- 1. An uncharacteristic number of 11kV cable faults during the year resulting in \$50k additional expenditure.
- 2. Zone Substation operational expenditure which accounts for an additional \$40k.
- 3. Additional inflationary cost increases across the board which account for the remaining differences.

Non-Network Operational Expenditure FY2022 is in in line with the 2021–2031 Asset Management Plan forecast.

There are no material changes to the overall operational expenditure. The Network Operational Expenditure FY2023 is estimated at \$822k with a 5.0% increase for FY2024, 3% FY2025 and dropping back to 2% per year thereafter for the rest of the planning period. Non-network expenditure FY2023 is estimated at \$1,515k with a 2% increase per year for the rest of the planning period.

SECTION 5 - Changes in Asset Management Practises

| There are no material changes to existing asset management practises. |
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| SECTION 6 - Asset Manage | ement Plan Disclos | ure Schedules | | |
|--------------------------|--------------------|---------------|--|--|
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Company Name

AMP Planning Period

Nelson Electricity Ltd 1 April 2022 – 31 March 2032

SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE

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

EDBs must provide explanatory comment on the difference between constant price and nominal dollar forecasts of expenditure on assets in Schedule 14a (Mandatory Explanatory Notes).

This information is not part of audited disclosure information.

| sch rej | | | | | | | | | | | | |
|----------------|--|------------------------|-----------|-------------|-------------|-------------|------------|-----------|-------------|-----------|-------------|-------------|
| _ | | 6 | 000 | 64.3 | 04.2 | 000.4 | OV. 5 | CV. C | OV. 7 | CV-0 | CV-C | CV.40 |
| / | | Current Year CY | CY+1 | CY+2 | CY+3 | CY+4 | CY+5 | CY+6 | CY+7 | CY+8 | CY+9 | CY+10 |
| 8 | for year ended | 31 Mar 22 | 31 Mar 23 | 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 |
| 9 | 11a(i): Expenditure on Assets Forecast | \$000 (in nominal doll | ars) | | | | | | | | | |
| 10 | Consumer connection | 99 | 245 | 110 | 141 | 55 | 56 | 57 | 59 | 60 | 61 | 62 |
| 11 | System growth | 5 | 270 | 189 | 379 | 386 | 281 | 172 | 176 | 179 | 183 | 186 |
| 12 | Asset replacement and renewal | 890 | 540 | 961 | 1,433 | 1,456 | 979 | 1,194 | 1,253 | 1,278 | 1,303 | 1,329 |
| 13 | Asset relocations | 47 | 110 | 53 | 54 | - | - | - | - | - | - | |
| 14 | Reliability, safety and environment: | - | | | | | | | | | | |
| 15 | Quality of supply | 24 | 550 | 105 | - | - | 56 | - | - | 60 | - | - |
| 16 | Legislative and regulatory | - | - | - | - | - | - (| - | - | - | - | - |
| 17 | Other reliability, safety and environment | 315 | 475 | 425 | 238 | 397 | 371 | 350 | 357 | 364 | 371 | 342 |
| 18 | Total reliability, safety and environment | 339 | 1,025 | 530 | 238 | 397 | 428 | 350 | 357 | 424 | 371 | 342 |
| 19 | Expenditure on network assets | 1,380 | 2,190 | 1,843 | 2,244 | 2,295 | 1,744 | 1,773 | 1,844 | 1,940 | 1,918 | 1,919 |
| 20 | Expenditure on non-network assets | 40 | 107 | 28 | 29 | 85 | 30 | 31 | 32 | 92 | 33 | 34 |
| 21 | Expenditure on assets | 1,420 | 2,297 | 1,871 | 2,273 | 2,379 | 1,774 | 1,804 | 1,875 | 2,032 | 1,951 | 1,953 |
| 22 | | | 1 | | Т | | | T | | ı | | |
| 23 | plus Cost of financing | | | | | | | | | | | |
| 24 | less Value of capital contributions | | | | | | | | | | | |
| 25 | plus Value of vested assets | | | | | | | | | | | |
| 26 | | | | | | | | 1 | | | | |
| 27 | Capital expenditure forecast | 1,420 | 2,297 | 1,871 | 2,273 | 2,379 | 1,774 | 1,804 | 1,875 | 2,032 | 1,951 | 1,953 |
| 28 | | 1,420 | 2,297 | 1,871 | 2,273 | 2,379 | 1.774 | 1.804 | 1.875 | 2,032 | 1,951 | 1,953 |
| 29 | Assets commissioned | 1,420 | 2,297 | 1,8/1 | 2,2/3 | 2,379 | 1,774 | 1,804 | 1,875 | 2,032 | 1,951 | 1,953 |
| 30 | | Current Year CY | CY+1 | CY+2 | CY+3 | CY+4 | CY+5 | CY+6 | CY+7 | CY+8 | CY+9 | CY+10 |
| 31 | for year ended | | 31 Mar 23 | 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 | ioi yeai ended | 31 IVIGI 22 | 31 Wai 23 | 31 IVIAI 24 | 31 IVIAI 23 | 31 Iviai 20 | 31 Widi 27 | 31 Wai 20 | 31 IVIAI 29 | 31 Wai 30 | 31 Ividi 31 | 31 IVIAI 32 |
| 32 | | \$000 (in constant pri | ces) | | | | | | | | | |
| 33 | Consumer connection | 99 | 245 | 105 | 130 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 34 | System growth | 5 | 270 | 180 | 350 | 350 | 250 | 150 | 150 | 150 | 150 | 150 |
| 35 | Asset replacement and renewal | 890 | 540 | 915 | 1,325 | 1,320 | 870 | 1,040 | 1,070 | 1,070 | 1,070 | 1,070 |
| 36 | As set relocations | 47 | 110 | 50 | 50 | - | - | | - | - | - | - |
| 37 | Reliability, safety and environment: | | | | | | | | | , , | | |
| 38 | Quality of supply | 24 | 550 | 100 | - | - | 50 | -[| | 50 | - | |
| 39 | Legislative and regulatory | - | - | - | - | - | - | - | - | - | - | |
| 40 | Other reliability, safety and environment | 315 | 475 | 405 | 220 | 360 | 330 | 305 | 305 | 305 | 305 | 275 |
| 41 | Total reliability, safety and environment | 339 | 1,025 | 505 | 220 | 360 | 380 | 305 | 305 | 355 | 305 | 275 |
| 42 | Expenditure on network assets | 1,380 | 2,190 | 1,755 | 2,075 | 2,080 | 1,550 | 1,545 | 1,575 | 1,625 | 1,575 | 1,545 |
| 43 | Expenditure on non-network assets | 40 1,420 | 107 | 27 | 27 | 77 | 27 | 27 | 27 | 77 | 27 | 27 |
| | | 1 // 20 | 2,297 | 1,782 | 2,102 | 2,157 | 1,577 | 1,572 | 1,602 | 1,702 | 1,602 | 1,572 |
| 44 | Expenditure on assets | 1,420 | | | | | | | | | | |
| 45 | | 1,420 | | | | | | | | | | |
| 45 46 | Subcomponents of expenditure on assets (where known) | 1,420 | | | <u> </u> | | | Т | Γ | I | T | |
| 45 46 47 | Subcomponents of expenditure on assets (where known) Energy efficiency and demand side management, reduction of energy losses | 1,420 | 80 | 120 | 120 | _ | | | | _ | | |
| 45 46 | Subcomponents of expenditure on assets (where known) | 1,420 | 80 | 120 | 120 | - | - | - | - | - | - | - |

| 50 | | | | | | | | | | | | | |
|----------|--|----------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 51 | | | Current Year CY | CY+1 | CY+2 | CY+3 | CY+4 | CY+5 | CY+6 | CY+7 | CY+8 | CY+9 | CY+10 |
| 52 | | for year ended | | 31 Mar 23 | 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 |
| 53 | Difference between nominal and constant price forecasts | | \$000 | | | | | | | | | | 52 |
| 54 | Consumer connection | | - | - | 5 | 11 | 5 | 6 | 7 | 9 | 10 | 11 | 12 |
| 55 | System growth | | - | - | 9 | 29 | 36 | 31 | 22 | 26 | 29 | 33 | 36 |
| 56 | Asset replacement and renewal | | - | - | 46 | 108 | 136 | 109 | 154 | 183 | 208 | 233 | 259 |
| 57 | Asset relocations | | - | - | 3 | 4 | - | - | - | - | - | - | - |
| 58 | Reliability, safety and environment: | , | | | | | | | | | | | |
| 59 | Quality of supply | | - | - | 5 | - | - | 6 | - | - | 10 | - | - |
| 60 61 | Legislative and regulatory | | - | - | 20 | - | 37 | 41 | 45 | 52 | 59 | - 66 | 67 |
| 62 | Other reliability, safety and environment Total reliability, safety and environment | | | - | 25 | 18 18 | 37 | 48 | 45 | 52 | 69 | 66 | 67 |
| 63 | Expenditure on network assets | | | | 88 | 169 | 215 | 194 | 228 | 269 | 315 | 343 | 374 |
| 64 | Expenditure on non-network assets | | - | - | 1 | 2 | 8 | 3 | 4 | 5 | 15 | 6 | 7 |
| 65 | Expenditure on assets | | - | _ | 89 | 171 | 222 | 197 | 232 | 273 | 330 | 349 | 381 |
| 66 | | • | | | | | | | | | • | | |
| 67 | | | Current Year CY | CY+1 | CY+2 | CY+3 | CY+4 | CY+5 | | | | | |
| | | for year ended | 31 Mar 22 | 31 Mar 23 | 31 Mar 24 | 31 Mar 25 | 31 Mar 26 | 31 Mar 27 | | | | | |
| 68 | 11a(ii): Consumer Connection | | | | | | | | | | | | |
| 69 | Consumer types defined by EDB* | | \$000 (in constant pr | ices) | | | | | | | | | |
| 70 | Group 2 | | 99 | 245 | 105 | 130 | 50 | 50 | | | | | |
| 71 | | | | | | | | | | | | | |
| 72 | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | |
| 75 | *include additional rows if needed | | 99 | 245 | 105 | 130 | 50 | 50 | | | | | |
| 76 77 | Consumer connection expenditure less Capital contributions funding consumer connection | | 99 | 245 | 105 | 130 | 50 | 50 | | | | | |
| 78 | Consumer connection less capital contributions | | 99 | 245 | 105 | 130 | 50 | 50 | | | | | |
| ,,, | | | | 2.13 | 103 | 150 | 30 | 30 | | | | | |
| 79 | 11a(iii): System Growth | | | | | | | | | | | | |
| 80 | Subtransmission | | | - | - | - | _ | - | | | | | |
| 81 | Zone substations | | | - | | - | _ | - | | | | | |
| 82 | Distribution and LV lines | | | - | - | - | - | - | | | | | |
| 83 | Distribution and LV cables | | 5 | - | - | - | - | - | | | | | |
| 84 | Distribution substations and transformers | | | 165 | 80 | 250 | 250 | 155 | | | | | |
| 85 | Distribution switchgear | | | - | - | - | - | - | | | | | |
| 86 | Other network assets | | | 105 | 100 | 100 | 100 | 95 | | | | | |
| 87 | System growth expenditure | | 5 | 270 | 180 | 350 | 350 | 250 | | | | | |
| 88 89 | less Capital contributions funding system growth System growth less capital contributions | | F | 270 | 180 | 350 | 350 | 250 | | | | | |
| 90 | System growth less capital contributions | | 3 | 270 | 180 | 330 | 330 | 230 | | | | | |

| 91 | | | Current Year CY | CY+1 | CY+2 | CY+3 | CY+4 | CY+5 |
|------------|--|----------------|------------------------|-----------|-----------|------------|-----------|------------|
| 92 | | for year ended | 31 Mar 22 | 31 Mar 23 | 31 Mar 24 | 31 Mar 25 | 31 Mar 26 | 31 Mar 27 |
| | 11a(iv): Asset Replacement and Renewal | | ć000 (i.e. e | 1 | | | | |
| 93 94 | | ŗ | \$000 (in constant pri | ces) | | | | |
| 95 | Subtransmission Zone substations | - | | | - | | | |
| 96 | Distribution and LV lines | - | | | 85 | 60 | | - |
| 97 | Distribution and LV cables | | 733 | 445 | 770 | 895 | 1,050 | 600 |
| 98 | Distribution substations and transformers | - | | - | - | - | - | - |
| 99 | Distribution switchgear | | 24 | - | - | 275 | - | - |
| 100 | Other network assets | | 133 | 95 | 60 | 95 | 270 | 270 |
| 101 | Asset replacement and renewal expenditure | | 890 | 540 | 915 | 1,325 | 1,320 | 870 |
| 102 | less Capital contributions funding asset replacement and renewal | | | | | | | |
| 103 | Asset replacement and renewal less capital contributions | L | 890 | 540 | 915 | 1,325 | 1,320 | 870 |
| 104 | | | | | | | | |
| 105 | | | Current Year CY | CY+1 | CY+2 | CY+3 | CY+4 | CY+5 |
| 105 | | for year ended | 31 Mar 22 | 31 Mar 23 | 31 Mar 24 | 31 Mar 25 | 31 Mar 26 | 31 Mar 27 |
| 100 | | Tor year ended | 31 Will 22 | 51 Wai 25 | 31 Wai 24 | 31 Widi 23 | 31 Wai 20 | 31 Will 27 |
| 107 | 11a(v): Asset Relocations | | | | | | | |
| 108 | Project or programme* | <u>.</u> | \$000 (in constant pri | ces) | <u>.</u> | | | |
| 109 | Relocate AMP substation (programme) | | | 20 | - | - | - | - |
| 110 | Relocate New South Wales substation (programme) | | | 20 | 50 | 50 | - | - |
| 111 | Konini St - Replace O/H sub with GM | | 22 | 70 | - | - | - | - |
| 112 | Wakefield Quay - Relocate substation | - | 25 | | | | | |
| 113 | | L | | | | | | |
| 114 115 | *include additional rows if needed | Г | | I | 1 | | | |
| 116 | All other project or programmes - asset relocations Asset relocations expenditure | | 47 | 110 | 50 | 50 | | |
| 117 | less Capital contributions funding asset relocations | t t | 47 | 110 | 30 | 30 | - | - |
| 118 | Asset relocations less capital contributions | | 47 | 110 | 50 | 50 | - | - |
| 119 | | = | | | | | | |
| | | | | | | | | |
| 120 | | | Current Year CY | CY+1 | CY+2 | CY+3 | CY+4 | CY+5 |
| 121 | | for year ended | 31 Mar 22 | 31 Mar 23 | 31 Mar 24 | 31 Mar 25 | 31 Mar 26 | 31 Mar 27 |
| 422 | 11a/vi): Quality of Supply | | | | | | | |
| 122 | 11a(vi): Quality of Supply | | \$000 (int : : | 1 | | | | |
| 123 124 | Project or programme* Emano St North Tripping VCB | ř | \$000 (in constant pri | 250 | P | | | |
| 125 | Age related HV cable test programme | - | 14 | 250 | - 50 | | | 50 |
| 126 | LV Network Monitoring | - | | 50 | 50 | | | - 30 |
| 127 | Sectionalise GPO feeder with a tripping VCB | | • | 250 | 30 | | | |
| 128 | Additional network switchs | | 10 | | | | | |
| 129 | | | | | | | | |
| 130 | | - | - | | - | | | |
| 131 | Qu*include additional rows if needed | L | | | | | | |
| 132 | less All other projects or programmes - quality of supply | | | | 1 | | | |
| 133 | Quality of supply less capital contributions | | 24 | 550 | 100 | _ | _ | 50 |
| 134 | Capital contributions funding quality of supply | | | | | | | |
| 135 | | | 24 | 550 | 100 | | - | 50 |
| 136 | | | | | | | | |
| | | | | | | | | |

| Project or programme* Le *include additional rows if needed less All other projects or programmes - legislative and regulatory Legislative and regulatory less capital contributions Capital contributions funding legislative and regulatory 11a(viii): Other Reliability, Safety and Environment Project or programme* Other O/H to U/G Ot *include additional rows if needed less All other projects or programmes - other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions 11a(ix): Non-Network Assets Routine expenditure Project or programme* Misc Office Equipment Office Equipment | | \$000 (in constant pr Current Year CY d 31 Mar 22 \$000 (in constant pr 135 180 | - CY+1 31 Mar 23 | 31 Mar 24 CY+2 31 Mar 24 285 120 405 | 31 Mar 25 | 31 Mar 26 | 31 Mar 27 |
|--|----------------|---|-----------------------------|---|--------------------------------|-----------------------|-----------|
| Le *include additional rows if needed less All other projects or programmes - legislative and regulatory Legislative and regulatory less capital contributions Capital contributions funding legislative and regulatory 11a(viii): Other Reliability, Safety and Environment Project or programme* Other O/H to U/G Ot *include additional rows if needed less All other projects or programmes - other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions 11a(ix): Non-Network Assets Routine expenditure Project or programme* Misc Office Equipment | ironment | Current Year CY 31 Mar 22 \$000 (in constant pr 135 180 | | 31 Mar 24 285 120 405 | 31 Mar 25 100 120 220 | 31 Mar 26 360 - | 31 Mar 27 |
| All other projects or programmes - legislative and regulatory Legislative and regulatory less capital contributions Capital contributions funding legislative and regulatory 11a(viii): Other Reliability, Safety and Environment Project or programme* Other O/H to U/G Other Other Other all other projects or programmes - other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions | ironment | \$000 (in constant pr 135 180 | 31 Mar 23 ices) 395 80 475 | 31 Mar 24 285 120 405 | 31 Mar 25 100 120 220 | 31 Mar 26 360 - | 31 Mar 27 |
| All other projects or programmes - legislative and regulatory Legislative and regulatory less capital contributions Capital contributions funding legislative and regulatory 11a(viii): Other Reliability, Safety and Environment Project or programme* Other O/H to U/G Other Other Other all other projects or programmes - other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions | ironment | \$000 (in constant pr 135 180 | 31 Mar 23 ices) 395 80 475 | 31 Mar 24 285 120 405 | 31 Mar 25 100 120 220 | 31 Mar 26 360 - | 31 Mar 27 |
| All other projects or programmes - legislative and regulatory Legislative and regulatory less capital contributions Capital contributions funding legislative and regulatory 11a(viii): Other Reliability, Safety and Environment Project or programme* Other O/H to U/G Other Other Other all other projects or programmes - other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions | ironment | \$000 (in constant pr 135 180 | 31 Mar 23 ices) 395 80 475 | 31 Mar 24 285 120 405 | 31 Mar 25 100 120 220 | 31 Mar 26 360 - | 31 Mar 27 |
| All other projects or programmes - legislative and regulatory Legislative and regulatory less capital contributions Capital contributions funding legislative and regulatory 11a(viii): Other Reliability, Safety and Environment Project or programme* Other O/H to U/G Other Other Other all other projects or programmes - other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions | ironment | \$000 (in constant pr 135 180 | 31 Mar 23 ices) 395 80 475 | 31 Mar 24 285 120 405 | 31 Mar 25 100 120 220 | 31 Mar 26 360 - | 31 Mar 27 |
| All other projects or programmes - legislative and regulatory Legislative and regulatory less capital contributions Capital contributions funding legislative and regulatory 11a(viii): Other Reliability, Safety and Environment Project or programme* Other O/H to U/G Other Other Other all other projects or programmes - other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions | ironment | \$000 (in constant pr 135 180 | 31 Mar 23 ices) 395 80 475 | 31 Mar 24 285 120 405 | 31 Mar 25 100 120 220 | 31 Mar 26 360 - | 31 Mar 27 |
| Legislative and regulatory less capital contributions Capital contributions funding legislative and regulatory 11a(viii): Other Reliability, Safety and Environment Project or programme* Other O/H to U/G Ot *include additional rows if needed less All other projects or programmes - other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions 11a(ix): Non-Network Assets Routine expenditure Project or programme* Misc Office Equipment | ironment | \$000 (in constant pr 135 180 | 31 Mar 23 ices) 395 80 475 | 31 Mar 24 285 120 405 | 31 Mar 25 100 120 220 | 31 Mar 26 360 - | 31 Mar 27 |
| Capital contributions funding legislative and regulatory 11a(viii): Other Reliability, Safety and Environment Project or programme* Other O/H to U/G Ot *include additional rows if needed less All other projects or programmes - other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions 11a(ix): Non-Network Assets Routine expenditure Project or programme* Misc Office Equipment | ironment | \$000 (in constant pr 135 180 | 31 Mar 23 ices) 395 80 475 | 31 Mar 24 285 120 405 | 31 Mar 25 100 120 220 | 31 Mar 26 360 - | 31 Mar 27 |
| Project or programme* Other O/H to U/G Ot *include additional rows if needed Jess All other projects or programmes - other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions 11a(ix): Non-Network Assets Routine expenditure Project or programme* Misc Office Equipment | ironment | \$000 (in constant pr 135 180 | 31 Mar 23 ices) 395 80 475 | 31 Mar 24 285 120 405 | 31 Mar 25 100 120 220 | 31 Mar 26 360 - | 31 Mar 27 |
| Project or programme* Other O/H to U/G Ot *include additional rows if needed less All other projects or programmes - other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions funding other reliability, safety and environment less capital contributions funding other reliability, safety and environment less capital contributions funding other reliability, safety and environment less capital contributions funding other reliability, safety and environment less capital contributions funding other reliability, safety and environment less capital contributions funding other reliability, safety and environment less capital contributions funding other reliability, safety and environment less capital contributions funding other reliability, safety and environment less capital contributions funding other reliability, safety and en | ironment | \$000 (in constant pr 135 180 | 31 Mar 23 ices) 395 80 475 | 31 Mar 24 285 120 405 | 31 Mar 25 100 120 220 | 31 Mar 26 360 - | 31 Mar 27 |
| Project or programme* Other O/H to U/G Ot *include additional rows if needed less All other projects or programmes - other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions funding other reliability, safety and environment less capital contributions funding other reliability, safety and environment less capital contributions funding other reliability, safety and environment less capital contributions funding other reliability, safety and environment less capital contributions funding other reliability, safety and environment less capital contributions funding other reliability, safety and environment less capital contributions funding other reliability, safety and environment less capital contributions funding other reliability, safety and environment less capital contributions funding other reliability, safety and en | ironment | \$000 (in constant pr 135 180 | 31 Mar 23 ices) 395 80 475 | 31 Mar 24 285 120 405 | 31 Mar 25 100 120 220 | 31 Mar 26 360 - | 31 Mar 27 |
| Other O/H to U/G Ot *include additional rows if needed less All other projects or programmes - other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Indicate the contribution of the contr | ironment | \$000 (in constant pr 135 180 | 31 Mar 23 ices) 395 80 475 | 31 Mar 24 285 120 405 | 31 Mar 25 100 120 220 | 31 Mar 26 360 - | 31 Mar 27 |
| Other O/H to U/G Ot *include additional rows if needed less All other projects or programmes - other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Indicate the contribution of the contr | ironment | \$000 (in constant pr 135 180 180 | 395 80 475 | 285 120 405 | 100 | 360 | 330 |
| Other O/H to U/G Ot *include additional rows if needed less All other projects or programmes - other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Indicate the contribution of the contr | | 135 180 315 | 395 80 475 | 120 | 220 | 360 | - |
| O/H to U/G Ot *include additional rows if needed less All other projects or programmes - other reliability, safety and envi Other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment 11a(ix): Non-Network Assets Routine expenditure Project or programme* Misc Office Equipment | | 315 | 475 | 120 | 220 | 360 | - |
| Ot *include additional rows if needed less All other projects or programmes - other reliability, safety and envi Other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment 11a(ix): Non-Network Assets Routine expenditure Project or programme* Misc Office Equipment | | 315 | | 405 | 220 | | 330 |
| All other projects or programmes - other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions 11a(ix): Non-Network Assets Routine expenditure Project or programme* Misc Office Equipment | | | | | | | 330 |
| All other projects or programmes - other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions 11a(ix): Non-Network Assets Routine expenditure Project or programme* Misc Office Equipment | | | | | | | 330 |
| All other projects or programmes - other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions 11a(ix): Non-Network Assets Routine expenditure Project or programme* Misc Office Equipment | | | | | | | 330 |
| Other reliability, safety and environment less capital contributions Capital contributions funding other reliability, safety and environment less capital contributions 11a(ix): Non-Network Assets Routine expenditure Project or programme* Misc Office Equipment | | | | | | | 330 |
| Capital contributions funding other reliability, safety and environm 11a(ix): Non-Network Assets Routine expenditure Project or programme* Misc Office Equipment | ment | 245 | 475 | 405 | | | |
| Project or programme* Misc Office Equipment | | 245 | 475 | 405 | | | |
| Project or programme* Misc Office Equipment | | | 4/5 | 405 | | | |
| Project or programme* Misc Office Equipment | | 315 | | | 220 | 360 | 330 |
| Project or programme* Misc Office Equipment | | | | | | | |
| Project or programme* Misc Office Equipment | | Current Year CY | CY+1 | CY+2 | CY+3 | CY+4 | CY+5 |
| Misc Office Equipment | for year ended | d 31 Mar 22 | 31 Mar 23 | 31 Mar 24 | 31 Mar 25 | 31 Mar 26 | 31 Mar 27 |
| Misc Office Equipment | | | | | | | |
| Office Equipment | _ | \$000 (in constant pr | ices) | | | | |
| Office Equipment | | | | | | | |
| | | | 25 | 25 | 25 | 25 | 25 |
| | | | 50 | 2 | 2 | 20 | 2 |
| Computers Vehicles | | 40 | | | | 30 | |
| Ro *include additional rows if needed | _ | | | | | 30 | |
| Atypi All other projects or programmes - routine expenditure | | | | | | | |
| | | 40 | 77 | 27 | 27 | 77 | 27 |
| | | | | | | | |
| Project or programme* Haven Road Office Building Work | 7 | | 30 | <u> </u> | | T | |
| naven koad Office Building Work | | | 30 | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| At: *include additional rows if needed | | | | | | ı | |
| All other projects or programmes - atypical expenditure Expenditure on non-network assets | _ | | 30 | | | | |
| | _ | | 30 | | | | |
| | | _ | | 27 | 27 | 77 | 27 |

Company Name

AMP Planning Period

Nelson Electricity Ltd

1 April 2022 – 31 March 2032

SCHEDULE 11b: REPORT ON FORECAST OPERATIONAL EXPENDITURE

This 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. EDBs must provide explanatory comment on the difference between constant price and nominal dollar operational expenditure forecasts in Schedule 14a (Mandatory Explanatory Notes).

This information is not part of audited disclosure information.

| | 11113 1111 | ormation is not part of addited discressive miormation. | | | | | | | | | | | |
|-----|------------|--|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | h 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 | for year ended | 31 Mar 22 | 31 Mar 23 | 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 |
| | 9 | Operational Expenditure Forecast | ¢000 /:i d- | Uaua) | | | | | | | | | |
| - 1 | | Operational Expenditure Forecast | \$000 (in nominal do | 142 | 149 | 153 | 156 | 159 | 163 | 166 | 169 | 173 | 176 |
| | 10 11 | Service interruptions and emergencies | 52 | 40 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| _ | 12 | Vegetation management | 311 | 266 | 279 | 287 | 293 | 299 | 305 | 311 | 317 | 324 | 330 |
| | 13 | Routine and corrective maintenance and inspection Asset replacement and renewal | 357 | 375 | 394 | 405 | 414 | 422 | 430 | 439 | 448 | 457 | 466 |
| | 14 | Network Opex | 900 | 822 | 863 | 889 | 907 | 925 | 944 | 962 | 982 | 1,001 | 1,021 |
| | 15 | System operations and network support | 258 | 268 | 273 | 279 | 284 | 290 | 296 | 302 | 308 | 314 | 320 |
| | 16 | Business support | 1,228 | 1,248 | 1,273 | 1,298 | 1,324 | 1,351 | 1,378 | 1,405 | 1,434 | 1,462 | 1,491 |
| | 17 | Non-network opex | 1,486 | 1,516 | 1,546 | 1,577 | 1,609 | 1,641 | 1,674 | 1,707 | 1,741 | 1,776 | 1,812 |
| | 18 | Operational expenditure | 2,386 | 2,338 | 2,410 | 2,466 | 2,516 | 2,566 | 2,617 | 2,670 | 2,723 | 2,778 | 2,833 |
| | | | | | | | | | • | • | | • | |
| | | | | | | | | | | | | | |
| | 19 | | Current Year CY | CY+1 | CY+2 | CY+3 | CY+4 | CY+5 | CY+6 | CY+7 | CY+8 | CY+9 | CY+10 |
| | 20 | for year ended | 31 Mar 22 | 31 Mar 23 | 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 |
| | | | | | | | | | | | | | |
| | 21 | | \$000 (in constant pr | | | 1 | | 1 | | | | 1 | |
| | 22 | Service interruptions and emergencies | 180 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 |
| | 23 | Vegetation management | 52 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| | 24 | Routine and corrective maintenance and inspection | 311 | 266 | 266 | 266 | 266 | 266 | 266 | 266 | 266 | 266 | 266 |
| | 25 | Asset replacement and renewal | 357 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 |
| | 26 | Network Opex | 900 | 822 | 822 | 822 | 822 | 822 | 822 | 822 | 822 | 822 | 822 |
| | 27 | System operations and network support | 258 | 268 | 268 | 268 | 268 | 268 | 268 | 268 | 268 | 268 | 268 |
| | 28 | Business support | 1,228 | 1,248 | 1,248 | 1,248 | 1,248 | 1,248 | 1,248 | 1,248 | 1,248 | 1,248 | 1,248 |
| | 29 30 | Non-network opex | 1,486 2,386 | 1,516 2,338 | 1,516 2.338 | 1,516 2.338 | 1,516 2,338 |
| - | 30 | Operational expenditure | 2,380 | 2,338 | 2,338 | 2,338 | 2,338 | 2,338 | 2,338 | 2,338 | 2,338 | 2,338 | 2,338 |
| | 31 | Subcomponents of operational expenditure (where known) | | | | | | | | | | | |
| | 32 | | | | | | | | | | | | |
| | 33 | Energy efficiency and demand side management, reduction of energy losses | | | I | 1 | 1 | 1 | | 1 | 1 | 1 | |
| | 34 | Direct billing* | | | | | | | | | | | |
| | 35 | Research and Development | | | | | | | | | | | |
| | 36 | Insurance | | | | | | | | | | | |
| | | rect billing expenditure by suppliers that direct bill the majority of their consumers | | | | | | | | | | | |
| | 38 | | | | | | | | | | | | |
| _ | 39 | | Current Year CY | CY+1 | CY+2 | CY+3 | CY+4 | CY+5 | CY+6 | CY+7 | CY+8 | CY+9 | CY+10 |
| | 40 | for year ended | 31 Mar 22 | 31 Mar 23 | 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 |
| | | | | | | | | | | | | | |
| | 41 | Difference between nominal and real forecasts | \$000 | | | | | | | | | | |
| | 42 | Service interruptions and emergencies | - | - | 7 | 12 | 15 | 18 | 21 | 24 | 28 | 31 | 34 |
| | 43 | Vegetation management | - | - | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| _ | 44 | Routine and corrective maintenance and inspection | - | - | 13 | 22 | 27 | 33 | 39 | 45 | 52 | 58 | 64 |
| _ | 45 | Asset replacement and renewal | - | - | 19 | 31 | 39 | 47 | 55 | 64 | 73 | 82 | 91 |
| | 46 | Network Opex | - | - | 41 | 67 | 85 | 103 | 121 | 140 | 160 | 179 | 199 |
| | 47 | System operations and network support | - | - | 5 | 11 | 16 | 22 | 28 | 34 | 40 | 46 | 52 |
| _ | 48 | Business support | | - | 25 | 50 | 76 | 103 | 130 | 157 | 186 | 214 | 243 |
| | 49 50 | Non-network opex | - | - | 30 71 | 61 128 | 93 178 | 125 228 | 158 279 | 191 332 | 225 385 | 260 439 | 296 495 |
| | | Operational expenditure | - | _ | 71 | 178 | | | | | | | |

Company Name Nelson Electricity Ltd

AMP Planning Period 1 April 2022 – 31 March 2032

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 | | | | | Λε | set condition at s | tart of planning p | ariad (nercented | ge of units by grad | اما | |
|-----|-------|----------------------------|---|-------|----|----|--------------------|--------------------|------------------|---------------------|------------------------|---|
| | 8 | | | | | Α, | set condition at s | tart or planning p | eriou (percentag | c or units by grad | C) | % of asset |
| | Volta | ge Asset category | Asset class | Units | Н1 | H2 | нз | Н4 | Н5 | Grade unknown | Data accuracy (1–4) | forecast to be replaced in next 5 years |
| 1 | O All | Overhead Line | Concrete poles / steel structure | No. | | | 5% | 75% | 20% | | 4 | 1.00% |
| 1 | 1 All | Overhead Line | Wood poles | No. | | | 15% | 85% | | | 4 | 1.00% |
| 1 | 2 All | Overhead Line | Other pole types | No. | | | | | | | N/A | |
| 1 | 3 HV | Subtransmission Line | Subtransmission OH up to 66kV conductor | km | | | | | | | N/A | |
| 1 | 4 HV | Subtransmission Line | Subtransmission OH 110kV+ conductor | km | | | | | | | N/A | |
| 1 | 5 HV | Subtransmission Cable | Subtransmission UG up to 66kV (XLPE) | km | | | | 100% | | | 3 | |
| 1 | 6 HV | Subtransmission Cable | Subtransmission UG up to 66kV (Oil pressurised) | km | | | | | | | N/A | |
| 1 | 7 HV | Subtransmission Cable | Subtransmission UG up to 66kV (Gas pressurised) | km | | | | | | | N/A | |
| 1 | 8 HV | Subtransmission Cable | Subtransmission UG up to 66kV (PILC) | km | | | 50% | 50% | | | 3 | |
| 1 | 9 HV | Subtransmission Cable | Subtransmission UG 110kV+ (XLPE) | km | | | | | | | N/A | |
| 2 | o HV | Subtransmission Cable | Subtransmission UG 110kV+ (Oil pressurised) | km | | | | | | | N/A | |
| 2 | 1 HV | Subtransmission Cable | Subtransmission UG 110kV+ (Gas Pressurised) | km | | | | | | | N/A | |
| 2 | 2 HV | Subtransmission Cable | Subtransmission UG 110kV+ (PILC) | km | | | | | | | N/A | |
| 2 | 3 HV | Subtransmission Cable | Subtransmission submarine cable | km | | | | | | | N/A | |
| 2 | 4 HV | Zone substation Buildings | Zone substations up to 66kV | No. | | | | | 100% | | 4 | |
| 2 | 5 HV | Zone substation Buildings | Zone substations 110kV+ | No. | | | | | | | N/A | |
| 2 | 6 HV | Zone substation switchgear | 22/33kV CB (Indoor) | No. | | | | | 100% | | 4 | |
| 2 | 7 HV | Zone substation switchgear | 22/33kV CB (Outdoor) | No. | | | | | | | N/A | |
| 2 | 8 HV | Zone substation switchgear | 33kV Switch (Ground Mounted) | No. | | | | | | | N/A | |
| 2 | 9 HV | Zone substation switchgear | 33kV Switch (Pole Mounted) | No. | | | | | | | N/A | |
| 3 | o HV | Zone substation switchgear | 33kV RMU | No. | | | | | | | N/A | |
| 3 | 1 HV | Zone substation switchgear | 50/66/110kV CB (Indoor) | No. | | | | | | | N/A | |
| 3 | 2 HV | Zone substation switchgear | 50/66/110kV CB (Outdoor) | No. | | | | | | | N/A | |
| 3 | 3 HV | Zone substation switchgear | 3.3/6.6/11/22kV CB (ground mounted) | No. | | | | | 100% | | 4 | |
| 3 | 4 HV | Zone substation switchgear | 3.3/6.6/11/22kV CB (pole mounted) | No. | | | | | | | N/A | |
| 3 | 5 | | | | | | | | | | | |

| 36 | | | | | | Ass | set condition at st | tart of planning p | eriod (percenta | ge of units by grad | e) | |
|----|---------|-----------------------------|--|-------|----|-----|---------------------|--------------------|-----------------|---------------------|------------------------|---|
| 37 | Voltage | Asset category | Asset class | Units | Н1 | H2 | нз | Н4 | H5 | Grade unknown | Data accuracy (1–4) | % of asset forecast to be replaced in next 5 years |
| 39 | HV | Zone Substation Transformer | Zone Substation Transformers | No. | | | | | 100% | | 4 | |
| 40 | HV | Distribution Line | Distribution OH Open Wire Conductor | km | | | | 78% | 22% | | 3 | |
| 41 | HV | Distribution Line | Distribution OH Aerial Cable Conductor | km | | | | | | | N/A | |
| 42 | HV | Distribution Line | SWER conductor | km | | | | | | | N/A | |
| 43 | HV | Distribution Cable | Distribution UG XLPE or PVC | km | | 10% | 10% | 65% | 15% | | 2 | 10.00% |
| 44 | HV | Distribution Cable | Distribution UG PILC | km | | 2% | 58% | 40% | | | 2 | 1.00% |
| 45 | HV | Distribution Cable | Distribution Submarine Cable | km | | | | | | | N/A | |
| 46 | HV | Distribution switchgear | 3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers | No. | | | | 100% | | | 4 | |
| 47 | HV | Distribution switchgear | 3.3/6.6/11/22kV CB (Indoor) | No. | | | 15% | - | 85% | | 4 | 15.00% |
| 48 | HV | Distribution switchgear | 3.3/6.6/11/22kV Switches and fuses (pole mounted) | No. | | | | 100% | | | 3 | 40.00% |
| 49 | HV | Distribution switchgear | 3.3/6.6/11/22kV Switch (ground mounted) - except RMU | No. | | | | 100% | | | 3 | |
| 50 | HV | Distribution switchgear | 3.3/6.6/11/22kV RMU | No. | | 5% | 5% | 40% | 50% | | 3 | 5.00% |
| 51 | HV | Distribution Transformer | Pole Mounted Transformer | No. | | | 4% | 96% | | | 3 | 1.00% |
| 52 | HV | Distribution Transformer | Ground Mounted Transformer | No. | | | 9% | 74% | 17% | | 3 | 1.00% |
| 53 | HV | Distribution Transformer | Voltage regulators | No. | | | | | | | N/A | |
| 54 | HV | Distribution Substations | Ground Mounted Substation Housing | No. | | | | 80% | 20% | | 3 | |
| 55 | LV | LV Line | LV OH Conductor | km | | | | 100% | | | 3 | |
| 56 | LV | LV Cable | LV UG Cable | km | | | 20% | 60% | 20% | | 2 | |
| 57 | LV | LV Streetlighting | LV OH/UG Streetlight circuit | km | | | 30% | 60% | 10% | | 2 | |
| 58 | LV | Connections | OH/UG consumer service connections | No. | | | 10% | 50% | 40% | | 3 | |
| 59 | All | Protection | Protection relays (electromechanical, solid state and numeric) | No. | | | | | 100% | | 3 | |
| 60 | All | SCADA and communications | SCADA and communications equipment operating as a single system | Lot | | | | 10% | 90% | | 3 | |
| 61 | All | Capacitor Banks | Capacitors including controls | No. | | | | | | | N/A | |
| 62 | All | Load Control | Centralised plant | Lot | | | | | 100% | | 4 | |
| 63 | All | Load Control | Relays | No. | | | | | | | N/A | |
| 64 | All | Civils | Cable Tunnels | km | | | | | | | N/A | |

| Company Name | Nelson Electricity Ltd |
|---------------------|------------------------------|
| AMP Planning Period | 1 April 2022 – 31 March 2032 |

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 rej

12b(i): System Growth - Zone Substations

| Existing Zone Substations | Current Peak Load (MVA) | Installed Firm Capacity (MVA) | Security of Supply Classification (type) | Transfer Capacity (MVA) | Installed Firm Capacity % | Installed Firm Capacity +5 years (MVA) | Installed Firm Capacity + 5 yrs | Installed Firm Capacity Constraint +5 years (cause) | Explanation |
|---|----------------------------|-------------------------------------|--|-------------------------|---------------------------|--|---------------------------------|---|-------------|
| Haven Road Zone Substation | 35 | | N-1 | 4 | 73% | 48 | | No constraint within +5 years | |
| | | | | | - | | | [Select one] | |
| | | | | | - | | | [Select one] | |
| | | | | | - | | | [Select one] | |
| | | | | | - | | | [Select one] | |
| | | | | | - | | | [Select one] | |
| | | | | | - | | | [Select one] | |
| | | | | | - | | | [Select one] | |
| | | | | | - | | | [Select one] | |
| | | | | | - | | | [Select one] | |
| | | | | | - | | | [Select one] | |
| | | | | | - | | | [Select one] | |
| | | | | | - | | | [Select one] | |
| | | | | | - | | | [Select one] | |
| | | | | | - | | | [Select one] | |
| | | | | | - | | | [Select one] | |
| | | | | | - | | | [Select one] | |
| | | | | | - | | | [Select one] | |
| | | | | | - | | | [Select one] | |
| Extend forecast capacity table as necessary to disclose all capacity. | | | | | - | | | [Select one] | |

Company Name

AMP Planning Period

Nelson Electricity Ltd

1 April 2022 – 31 March 2032

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.

| sch ref | | | | | | | | |
|--|--|----------------|---|--|--|--|---|---|
| 7 | 12c(i): Consumer Connections | | | | | | | |
| 8 | Number of ICPs connected in year by consumer type | | Number of connections | | | | | |
| 9 | | for year ended | Current Year CY 31 Mar 22 | <i>CY+1</i> 31 Mar 23 | CY+2 31 Mar 24 | <i>CY+3</i> 31 Mar 25 | <i>CY+4</i> 31 Mar 26 | <i>CY+5</i> 31 Mar 27 |
| 11 | Consumer types defined by EDB* | | | | | | | |
| 12 | Load Group 0 (Unmetered and Builders Temporary) | | 8 | - | - | - | - | - |
| 13 | Load Group 1 (Low User) | | - | 15 | 15 | 15 | 15 | 15 |
| 14 | Load Group 2 (Mass Market - Residential) | | 26 | 30 | 30 | 30 | 30 | 30 |
| 15 | Load Group 2 (Mass Market - Business) | | 10 | 15 | 15 | 15 | 15 | 15 |
| 16 | Load Group 3 (Time of Use) | | - | - | - | - | - | - |
| 17 | Connections total | <u> </u> | 44 | 60 | 60 | 60 | 60 | 60 |
| 18 | *include additional rows if needed | | | | | | | |
| 19 | Distributed generation | Г | T | | I | T | | |
| 20 | Number of connections | - | 36 | 60 | 90 | 120 | 160 | 180 |
| 21 | Capacity of distributed generation installed in year (MVA) | L | 0.2 | 0.2 | 0.2 | 0.3 | 0.4 | 0.5 |
| 22 | 12c(ii) System Demand | | | | | | | |
| 23 | | | Current Year CY | CY+1 | CY+2 | CY+3 | CY+4 | CY+5 |
| 23 | | | Culletti leui Ci | | | | | CIIJ |
| 24 | Maximum coincident system demand (MW) | for year ended | 31 Mar 22 | 31 Mar 23 | 31 Mar 24 | 31 Mar 25 | 31 Mar 26 | 31 Mar 27 |
| | Maximum coincident system demand (MW) GXP demand | for year ended | | | | | | |
| 24 | • | for year ended | 31 Mar 22 | 31 Mar 23 | 31 Mar 24 | 31 Mar 25 | 31 Mar 26 | 31 Mar 27 |
| 24 25 | GXP demand | for year ended | 31 Mar 22 | 31 Mar 23 | 31 Mar 24 | 31 Mar 25 | 31 Mar 26 | 31 Mar 27 |
| 24 25 26 | GXP demand plus Distributed generation output at HV and above | for year ended | 31 Mar 22 33 | 31 Mar 23 33 | 31 Mar 24 33 | 31 Mar 25 33 | 31 Mar 26 | 31 Mar 27 34 |
| 24 25 26 27 | GXP demand plus Distributed generation output at HV and above Maximum coincident system demand | for year ended | 31 Mar 22 33 | 31 Mar 23 33 | 31 Mar 24 33 | 31 Mar 25 33 | 31 Mar 26 | 31 Mar 27 34 |
| 24 25 26 27 28 29 | GXP 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 | for year ended | 31 Mar 22 33 - 33 | 31 Mar 23 33 - 33 | 31 Mar 24 33 - 33 | 31 Mar 25 33 - 33 | 31 Mar 26 33 - 33 | 31 Mar 27 34 - 34 |
| 24 25 26 27 28 29 | GXP 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 Electricity volumes carried (GWh) | for year ended | 31 Mar 22 33 - 33 33 | 31 Mar 23 33 - 33 | 31 Mar 24 33 - 33 | 31 Mar 25 33 - 33 | 31 Mar 26 33 - 33 33 | 31 Mar 27 34 - 34 34 |
| 24 25 26 27 28 29 | GXP 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 | for year ended | 31 Mar 22 33 - 33 | 31 Mar 23 33 33 33 | 31 Mar 24 33 - 33 33 | 31 Mar 25 33 - 33 33 | 31 Mar 26 33 - 33 | 31 Mar 27 34 - 34 |
| 24 25 26 27 28 29 30 31 | GXP 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 Electricity volumes carried (GWh) Electricity supplied from GXPs | for year ended | 31 Mar 22 33 - 33 33 | 31 Mar 23 33 33 33 | 31 Mar 24 33 - 33 33 | 31 Mar 25 33 - 33 33 | 31 Mar 26 33 - 33 33 | 31 Mar 27 34 - 34 34 |
| 24 25 26 27 28 29 30 31 32 | GXP 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 Electricity volumes carried (GWh) Electricity supplied from GXPs less Electricity exports to GXPs | for year ended | 31 Mar 22 33 - 33 33 142 | 31 Mar 23 33 33 33 33 | 31 Mar 24 33 33 33 142 - | 31 Mar 25 33 - 33 33 | 31 Mar 26 33 33 33 141 | 31 Mar 27 34 - 34 34 |
| 24 25 26 27 28 29 30 31 32 33 | GXP 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 Electricity volumes carried (GWh) Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation | for year ended | 31 Mar 22 33 - 33 33 142 | 31 Mar 23 33 33 33 33 | 31 Mar 24 33 33 33 142 - | 31 Mar 25 33 - 33 33 | 31 Mar 26 33 33 33 141 | 31 Mar 27 34 - 34 34 |
| 24 25 26 27 28 29 30 31 32 33 34 | GXP 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 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 | for year ended | 31 Mar 22 33 33 33 142 - 0 0 | 31 Mar 23 33 33 33 142 - 142 - 1 | 31 Mar 24 33 33 33 142 - 1 1 | 31 Mar 25 33 33 33 142 - 142 | 31 Mar 26 33 33 33 141 141 - | 31 Mar 27 34 34 34 34 34 143 - |
| 24 25 26 27 28 29 30 31 32 33 34 35 36 37 | GXP 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 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 | for year ended | 31 Mar 22 33 33 33 142 0 142 142 | 31 Mar 23 33 33 33 142 - 142 - 142 | 31 Mar 24 33 33 33 142 - 142 142 | 31 Mar 25 33 33 33 142 - 142 - 142 | 31 Mar 26 33 33 33 141 1 1 1 1 1 142 | 31 Mar 27 34 34 34 34 34 143 - 144 |
| 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 | GXP 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 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 | for year ended | 31 Mar 22 33 33 33 142 - 0 - 142 138 5 | 31 Mar 23 33 33 33 142 - 142 142 138 5 | 31 Mar 24 33 33 33 142 - 142 142 138 5 | 31 Mar 25 33 33 33 142 - 142 142 138 5 | 31 Mar 26 33 33 33 141 141 1 142 138 5 | 31 Mar 27 34 34 34 34 143 - 144 139 5 |
| 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 | GXP 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 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 Load factor | for year ended | 31 Mar 22 33 33 33 33 142 - 0 142 138 5 49% | 31 Mar 23 33 33 33 142 - 142 142 138 5 | 31 Mar 24 33 33 33 33 142 - 142 138 5 49% | 31 Mar 25 33 33 33 142 - 142 142 138 5 | 31 Mar 26 33 33 33 34 34 34 34 34 34 34 | 31 Mar 27 34 34 34 34 143 - 144 139 5 |
| 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 | GXP 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 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 | for year ended | 31 Mar 22 33 33 33 142 - 0 - 142 138 5 | 31 Mar 23 33 33 33 142 - 142 142 138 5 | 31 Mar 24 33 33 33 142 - 142 142 138 5 | 31 Mar 25 33 33 33 142 - 142 142 138 5 | 31 Mar 26 33 33 33 141 141 1 142 138 5 | 31 Mar 27 34 34 34 34 143 - 144 139 5 |

| Company Name | Nelson Electricity Ltd | | | |
|----------------------------|------------------------------|--|--|--|
| AMP Planning Period | 1 April 2022 – 31 March 2032 | | | |
| Network / Sub-network Name | | | | |

SCHEDULE 12d: REPORT FORECAST INTERRUPTIONS AND DURATION

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

| | ch ref 8 9 10 | for year ended | Current Year CY 31 Mar 22 | <i>CY+1</i> 31 Mar 23 | <i>CY+2</i> 31 Mar 24 | <i>CY+3</i> 31 Mar 25 | <i>CY+4</i> 31 Mar 26 | CY+5 31 Mar 27 |
|---|------------------------|--|---------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------|
| | 11 | Class B (planned interruptions on the network) | 18.8 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 |
| | 12 | Class C (unplanned interruptions on the network) | 32.2 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 |
| | 13 | SAIFI | | | | | | |
| ı | 14 | Class B (planned interruptions on the network) | 0.10 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| ı | 15 | Class C (unplanned interruptions on the network) | 0.46 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 |

SCHEDULE 14a - Mandatory Explanatory Notes on Forecast Information

- 1. This Schedule requires EDBs to provide explanatory notes to reports prepared in accordance with clause 2.6.6.
- 2. 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)

3. 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

There has been a marked increase in costs FY2023. The difference between nominal and constant is assessed at 5% FY2024, 3% FY2025 and 2% for every year thereafter for the rest of the planning period.

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

4. 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

There has been a marked increase in costs FY2023. For Network Operational Expenditure the difference between nominal and constant is assessed at 5% FY2024, 3% FY2025 and 2% for every year thereafter for the rest of the planning period. For Non-Network Operational Expenditure the difference between nominal and constant is assessed at 2% for every year of the planning period