



**ID-Only Regulated Provider Information Disclosure Requirements  
Information Templates  
for  
Schedules 1–13**

Company name	Northpower Fibre Limited
Disclosure Date	31 August 2023
Disclosure Year (year ended)	31 March 2022

Templates for Schedules 1–13  
Template Version 2. Prepared 28 July 2022

**Workbook Version History**

Workbook Version and Date	Determination
v1, 30 November 2021	Fibre ID Determination 2021 [2021] NZCC 24
v2, 28 July 2022	Fibre ID Amendment Determination 2022 [2022] NZCC 26

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## Disclosure Template Instructions

These templates have been prepared for use by ID-only regulated providers when making disclosures under clauses 2.4.1, 2.4.2, and 2.4.3 of the main body of the determination.

### **Company name and Dates**

To prepare the templates for disclosure, the regulated provider's company name should be entered in cell C8, the date of the last day of the current disclosure year 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 (current year) is used to calculate disclosure years in the column headings that show above some of the tables and in labels adjacent to some entry cells. It is also used to calculate the 'For disclosure year ended' date 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 "31 December 2021").

### **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 help guard against errors in data entry, some data entry cells test keyboard entries for validity and accept only a limited range of values. For example, entries may be limited to a list of category names, to values between 0% and 100%, or either a numeric entry or the text entry "N/A". Where this occurs, a validation message will appear when data is being entered. These checks are applied to keyboard entries only and not, for example, to entries made using Excel's copy and paste facility.

### **Conditional Formatting Settings on Data Entry Cells**

Schedule 4 cells N97:P125 and N127 will change colour if the RAB values do not equal the corresponding values in table 4(ii).

### **Inserting Additional Rows and Columns**

The templates for some Schedules may require additional rows to be inserted in tables marked 'include additional rows if needed' or similar. Column A Schedule references should not be entered in additional rows, and should be deleted from additional rows that are created by copying and pasting rows that have Schedule references.

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.

Schedules 4a and 5a may require new cost or asset category rows to be inserted in the allocation change tables. Accordingly, cell protection has been removed from rows 106 and 107 of Schedule 4a and rows 83 and 84 of Schedule 5a to allow blocks of rows to be copied. The four steps to add new cost category rows to table 5a(iii) are: Select Excel rows 76:82, copy, select Excel row 84, insert copied cells. Similarly, for table 4a(ii): paste copied cells to row 107.

### **Schedule References**

The references labelled 'ref' in the leftmost column of each template can be used to reference individual rows of the template. It may be useful to refer to a row when writing explanatory notes about a specific data point.

### **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.

### **Worksheet Completion Sequence**

Calculation cells may show an incorrect value until precedent cell entries have been completed. Data entry may be assisted by completing the Schedules in the following order:

## Commerce Commission Information Disclosure Template

1. Coversheet
2. Schedules 2a, 3
3. Schedules 4a, 5a
4. Schedules 5,6
5. Schedule 8, 2
6. Schedule 4
7. Schedule 7
8. Schedules 1, 9
9. All remaining Schedules

Company name **Northpower Fibre Limited**  
 For disclosure-year ended **31 March 2022**

**SCHEDULE 1: REPORT ON ID FFLAS RETURN ON INVESTMENT (ID-ONLY REGULATED PROVIDER)**

This Schedule requires information on the Return on Investment (ROI) relative to the Commerce Commission's estimates of post tax WACC and vanilla WACC. ID-only regulated providers must provide explanatory comment on their ROI in Schedule 14A (Mandatory Explanatory Notes).

This information is part of audited disclosure information (as defined in clause 1.4.3 of the main body of the determination), and so is subject to the assurance report required by clause 2.7 of the main body of the determination.

sch ref

	CY-2 31 Mar 20 %	CY-1 31 Mar 21 %	Current Year CY 31 Mar 22 %
<b>1(i): Return on Investment</b>			
<b>ROI – comparable to a post-tax WACC</b>			
Reflecting all revenue earned			12.21%
Mid-point estimate of post-tax WACC			5.54%
<b>ROI – comparable to a vanilla WACC</b>			
Reflecting all revenue earned			12.53%
Mid-point estimate of vanilla WACC			5.86%
Standard error			0.0131
<b>1(ii): Information Supporting the ROI</b>			
			(\$000)
Opening RAB value		85,249	
Operating revenue		3,566	
Expenditure	1,280		
<i>add</i> Assets commissioned	2,184		
<i>less</i> Asset disposals	16		
<i>add</i> Tax payments	-		
<i>less</i> Other regulated income	46		
Mid-year net cash outflows		3,402	
Term credit spread differential allowance		-	
Total closing RAB value	87,740		
<i>less</i> Adjustment resulting from asset allocation	-		
Closing RAB value		87,740	
<b>ROI – comparable to a vanilla WACC</b>			12.53%
Leverage (%)			29%
Cost of debt assumption (%)			3.91%
Corporate tax rate (%)			28%
<b>ROI – comparable to a post-tax WACC</b>			12.21%

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**SCHEDULE 2: REPORT ON REGULATORY PROFIT**

This Schedule requires information on the calculation of regulatory profit for ID-only regulated providers for the disclosure year, including providing explanatory comment on their regulatory profit in Schedule 14A (Mandatory Explanatory Notes).

This information is part of audited disclosure information (as defined in clause 1.4.3 of the main body of the determination), and so is subject to the assurance report required by clause 2.7 of the main body of the determination.

sch ref

7	<b>2(i): Regulatory Profit</b>		(\$000)
8	Regulatory income		
9	Operating revenue	3,566	
10	plus Gains / (losses) on asset disposals	12	
11	plus Other regulated income (other than gains / (losses) on asset disposals)	33	
12			
13	<b>Total regulatory income</b>	<b>3,611</b>	
14	<b>Expenditure</b>		
15	less Operating expenditure	1,280	
16			
17	less Pass-through costs	-	
18			
19	<b>Operating surplus / (deficit)</b>	<b>2,331</b>	
20			
21	less Total Depreciation	1,196	
22			
23	plus Total Revaluations	1,519	
24			
25	<b>Regulatory profit / (loss) before tax</b>	<b>2,654</b>	
26			
27	less Term credit spread differential allowance	-	
28			
29	less Regulatory tax allowance	-	
30			
31	<b>Regulatory profit/(loss)</b>	<b>2,654</b>	
32			
33	<b>2(ii): Pass-through Costs</b>		(\$000)
34	Pass through costs		
35	Rates		
36	Telecommunications Act levies - sections 11,12		
37	Telecommunications Act levies - sections 87,88		
38	Dispute resolution scheme levies		
39	<b>Pass-through costs</b>	<b>-</b>	
40			
41	<b>2(iii): Merger and Acquisition Expenditure</b>		
42			(\$000)
43	Merger and acquisition expenditure		
44			
45	<i>Provide commentary on the benefits of merger and acquisition expenditure to the regulated provider, including required disclosures in accordance with Schedule 14A (Mandatory Explanatory Notes)</i>		
46			
47			
48			
49			



Company name **Northpower Fibre Limited**  
 For disclosure-year ended **31 March 2022**

**SCHEDULE 4: REPORT ON VALUE OF THE ID FFLAS REGULATORY ASSET BASE ROLLED FORWARD**

This Schedule requires information on the calculation of the ID FFLAS Regulatory Asset Base (RAB) value to the end of each disclosure year. This informs the ROI calculation in Schedule 1. ID-only regulated providers must provide explanatory commentary on the information disclosed in this Schedule in Schedule 14A (Mandatory Explanatory Notes).

This information is part of audited disclosure information (as defined in clause 1.4.3 of the main body of the determination), and so is subject to the assurance report required by clause 2.7 of the main body of the determination.

sch ref		RAB CY-4 (\$000)	RAB CY-3 (\$000)	RAB CY-2 (\$000)	RAB CY-1 (\$000)	RAB CY (\$000)
7	<b>4(i): ID FFLAS Regulatory Asset Base Value (Rolled Forward)</b>					
8						
9						
10	Total opening RAB value					85,249
11						
12	less Depreciation					1,196
13						
14	plus Revaluations					1,519
15						
16	plus Assets commissioned					2,184
17						
18	less Asset disposals					16
19						
20	less Adjustment to loss asset due to deregulation					-
21						
22	plus Adjustment resulting from asset allocation					-
23						
24	Total closing RAB value	-	-	-	-	87,740
25						
26	<b>4(ii): Unallocated Regulatory Asset Base</b>					
27						
28						
29	Total opening RAB value		Unallocated RAB * (\$000)	(\$000)	RAB (\$000)	(\$000)
30			85,249			85,249
31	less					
32	Depreciation		1,196			1,196
33	plus					
34	Revaluations		1,519			1,519
35	plus					
36	Assets commissioned (other than below)	69			69	
37	Assets acquired from a regulated supplier	-				
38	Assets acquired from a related party	2,114			2,114	
39	<b>Assets commissioned</b>		2,184			2,184
40	less					
41	Asset disposals (other than below)	11			11	
42	Asset disposals to a regulated supplier	-				
43	Asset disposals to a related party	5			5	
44	<b>Asset disposals</b>		16			16
45						
46	less Adjustment to loss asset due to deregulation					-
47						
48	plus Adjustment resulting from asset allocation					-
49						
50	Total closing RAB value		87,740			87,740
51						

\* The 'unallocated RAB' is the total value of those assets used wholly or partially to provide FFLAS services without any allowance being made for the allocation of costs to services provided by the supplier that are not FFLAS services. The RAB value represents the value of these assets after applying this cost allocation. Neither value includes works under construction.



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**SCHEDULE 4: REPORT ON VALUE OF THE ID FFLAS REGULATORY ASSET BASE ROLLED FORWARD**

This Schedule requires information on the calculation of the ID FFLAS Regulatory Asset Base (RAB) value to the end of each disclosure year. This informs the ROI calculation in Schedule 1. ID-only regulated providers must provide explanatory commentary on the information disclosed in this Schedule in Schedule 14A (Mandatory Explanatory Notes).

This information is part of audited disclosure information (as defined in clause 1.4.3 of the main body of the determination), and so is subject to the assurance report required by clause 2.7 of the main body of the determination.

sch ref		Unallocated RAB *		RAB	
		(\$000)	(\$000)	(\$000)	(\$000)
52					
53	<b>4(iii): Calculation of Revaluation Rate and Revaluation of Assets</b>				
54					
55	CPI <sub>t</sub>				1,142
56	CPI <sub>t-1</sub>				1,122
57	Revaluation rate (%)				1.78%
58					
59					
60					
61	Total opening RAB value	85,249		85,249	
62	less Opening value of fully depreciated and disposed assets	21		21	
63	Total opening RAB value subject to revaluation	85,228		85,228	
64	<b>Revaluations</b>				
65			1,519		1,519
66					
67	<b>4(iv): Roll Forward of Works Under Construction</b>				
68					
69	<b>Works under construction—preceding disclosure year</b>		789		789
70	plus Capital expenditure	2,159		2,159	
71	less Assets commissioned	2,184		2,184	
72	plus Adjustment resulting from asset allocation				
73	<b>Works under construction - current disclosure year</b>		764		764
74					
75	Highest rate of capitalised finance applied				
76					

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**SCHEDULE 4: REPORT ON VALUE OF THE ID FFLAS REGULATORY ASSET BASE ROLLED FORWARD**

This Schedule requires information on the calculation of the ID FFLAS Regulatory Asset Base (RAB) value to the end of each disclosure year. This informs the ROI calculation in Schedule 1. ID-only regulated providers must provide explanatory commentary on the information disclosed in this Schedule in Schedule 14A (Mandatory Explanatory Notes).

This information is part of audited disclosure information (as defined in clause 1.4.3 of the main body of the determination), and so is subject to the assurance report required by clause 2.7 of the main body of the determination.

		Unallocated RAB *		RAB	
		(\$000)	(\$000)	(\$000)	(\$000)
77	<b>4(v): Regulatory Depreciation</b>				
78					
79					
80	Depreciation - GAAP	1,196		1,196	
81	Depreciation - alternative method				
82	<b>Total depreciation</b>		1,196		1,196
83					

**4(vi): Disclosure of Changes to Depreciation Methods** (\$000 unless otherwise specified)

Asset category or assets with changes to depreciation*	Reason for change of method (text entry)	Depreciation charge for the period (RAB)	Closing RAB value under 'alternative method' depreciation	Closing RAB value under 'GAAP' depreciation
85				
86				
87				
88				
89				
90				
91				
92				
93				
94				

\* include additional rows if needed

**4(vii): Disclosure by Asset Category**

	Opening RAB value	Less depreciation	Plus revaluations	Plus assets commissioned	Less asset disposals	Plus asset allocation adjustment	Plus asset category transfers	Total	Weighted average remaining asset life	Weighted average expected total life
<b>Layer 1 assets</b>										
Ducts and Manholes	13,420	107	239	348	-			13,900	33	39
Fibre Optic Cable	22,707	287	405	1,033	5			23,852	22	27
Fibre Service Leads	31,472	306	561	565	-			32,292	27	31
Poles	-	-	-	-	-			-	-	-
FTTN / FTTP Cabinets	1,011	22	18	3	-			1,009	10	17
Network Equipment	531	9	9	3	-			535	17	20
Information Technology	-	-	-	-	-			-	-	-
Other Layer 1 assets	-	-	-	-	-			-	-	-
<b>Total Layer 1 closing RAB value</b>	<b>69,141</b>	<b>731</b>	<b>1,232</b>	<b>1,951</b>	<b>5</b>	<b>-</b>	<b>-</b>	<b>71,588</b>		
<b>Layer 2 assets</b>										
FTTN / FTTP Cabinets	-	-	-	-	-			-	-	-
Network Equipment	3,433	318	61	212	10			3,377	4	6
Information Technology	305	19	5	21	1			312	4	5
Other Layer 2 assets	52	4	1	-	-			50	4	5
<b>Total Layer 2 closing RAB value</b>	<b>3,791</b>	<b>341</b>	<b>67</b>	<b>232</b>	<b>11</b>	<b>-</b>	<b>-</b>	<b>3,738</b>		
<b>Other Network Assets</b>										
Network land and buildings	25	1	0	-	-			25	5	10

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**SCHEDULE 4: REPORT ON VALUE OF THE ID FFLAS REGULATORY ASSET BASE ROLLED FORWARD**

This Schedule requires information on the calculation of the ID FFLAS Regulatory Asset Base (RAB) value to the end of each disclosure year. This informs the ROI calculation in Schedule 1. ID-only regulated providers must provide explanatory commentary on the information disclosed in this Schedule in Schedule 14A (Mandatory Explanatory Notes).

This information is part of audited disclosure information (as defined in clause 1.4.3 of the main body of the determination), and so is subject to the assurance report required by clause 2.7 of the main body of the determination.

sch ref																					
115	Other network assets	-	-	-	-	-	-	-	-	-	-										
116	<b>Total network assets</b>	72,957	1,073	1,300	2,184	16	-	-	75,351	-	-										
117	<b>Non-Network Assets</b>	Opening RAB value		Less depreciation		Plus revaluations		Plus assets commissioned		Less asset disposals		Plus asset allocation adjustment		Plus asset category transfers		Total		Weighted average remaining asset life		Weighted average expected total life	
118	Non-network land and buildings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
119	Non-network IT hardware/software	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
120	Other non-network assets	2	0	0	-	-	-	-	-	-	-	-	-	-	-	-	2	8	12	-	-
121	<b>Total non-network assets</b>	2	0	0	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
122	<b>Total - core fibre assets</b>	72,959	1,073	1,300	2,184	16	-	-	75,353	-	-	-	-	-	-	-	-	-	-	-	-
124	<b>Financial loss asset</b>	Opening RAB value		Less depreciation		Plus revaluations		Less adjustment due to deregulation /disposal		Total		Weighted average remaining asset life		Weighted average expected total life							
125		12,290	122	219	-	-	-	-	12,387	25	30	-	-	-	-						
126																					
127	<b>Total RAB</b>	85,249	1,196	1,519	2,184	16	-	-	87,740	-	-	-	-	-	-						
128																					

Company name	Northpower Fibre Limited
For disclosure-year ended	31 March 2022

**SCHEDULE 4a: REPORT ON ASSET ALLOCATIONS**

This Schedule requires information on the allocation of asset values. This information supports the calculation of the RAB value in Schedule 4. ID-only regulated providers must provide explanatory commentary on the information disclosed in this Schedule, in Schedule 14A (Mandatory Explanatory Notes), including on the impact of any changes in asset allocations. This information is part of audited disclosure information (as defined in clause 1.4.3 of the main body of the determination), and so is subject to the assurance report required by clause 2.7 of the main body of the determination.

sch ref

		Value allocated (\$000s)		
		ID-FFLAS	Non-FFLAS	Total
7	<b>4a(i): Regulated Service Asset Values</b>			
8	<b>NETWORK ASSETS - LAYER 1</b>			
9	<b>Ducts and Manholes</b>			
10	Directly attributable	13,900		
11	Not directly attributable			
12	<b>Total attributable to regulated service</b>	13,900	-	-
13	<b>Fibre Optic Cable</b>			
14	Directly attributable	23,852		
15	Not directly attributable			
16	<b>Total attributable to regulated service</b>	23,852	-	-
17	<b>Fibre Service Leads</b>			
18	Directly attributable	32,292		
19	Not directly attributable			
20	<b>Total attributable to regulated service</b>	32,292	-	-
21	<b>Local Access Copper Cable (Poles)</b>			
22	Directly attributable	-		
23	Not directly attributable			
24	<b>Total attributable to regulated service</b>	-	-	-
25	<b>FTTN/FTTP Cabinets</b>			
26	Directly attributable	1,009		
27	Not directly attributable			
28	<b>Total attributable to regulated service</b>	1,009	-	-
29	<b>Network Equipment</b>			
30	Directly attributable	535		
31	Not directly attributable			
32	<b>Total attributable to regulated service</b>	535	-	-
33	<b>Information Technology</b>			
34	Directly attributable	-		
35	Not directly attributable			
36	<b>Total attributable to regulated service</b>	-	-	-
37	<b>Other Layer 1 assets</b>			
38	Directly attributable	-		
39	Not directly attributable			
40	<b>Total attributable to regulated service</b>	-	-	-
41				
42	<b>NETWORK ASSETS - LAYER 2</b>			
43	<b>FTTN/FTTP Cabinets</b>			
44	Directly attributable	-		
45	Not directly attributable			
46	<b>Total attributable to regulated service</b>	-	-	-
47	<b>Network Equipment</b>			
48	Directly attributable	3,377		
49	Not directly attributable			
50	<b>Total attributable to regulated service</b>	3,377	-	-
51	<b>Information Technology</b>			
52	Directly attributable	312		
53	Not directly attributable			
54	<b>Total attributable to regulated service</b>	312	-	-
55	<b>Other Layer 2 assets</b>			
56	Directly attributable	50		
57	Not directly attributable			
58	<b>Total attributable to regulated service</b>	50	-	-
59				
60	<b>OTHER NETWORK ASSETS</b>			
61	<b>Network land and buildings</b>			
62	Directly attributable	25		
63	Not directly attributable			
64	<b>Total attributable to regulated service</b>	25	-	-
65	<b>Other network assets</b>			
66	Directly attributable	-		
67	Not directly attributable			
68	<b>Total attributable to regulated service</b>	-	-	-
69				
70	<b>NON-NETWORK ASSETS</b>			
71	<b>Non-network land and buildings</b>			
72	Directly attributable	-		
73	Not directly attributable			
74	<b>Total attributable to regulated service</b>	-	-	-
75	<b>Non-network IT hardware/software</b>			
76	Directly attributable	-		
77	Not directly attributable			
78	<b>Total attributable to regulated service</b>	-	-	-
79	<b>Other non-network assets</b>			
80	Directly attributable	2		
81	Not directly attributable			
82	<b>Total attributable to regulated service</b>	2	-	-

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**SCHEDULE 4a: REPORT ON ASSET ALLOCATIONS**

This Schedule requires information on the allocation of asset values. This information supports the calculation of the RAB value in Schedule 4. ID-only regulated providers must provide explanatory commentary on the information disclosed in this Schedule, in Schedule 14A (Mandatory Explanatory Notes), including on the impact of any changes in asset allocations. This information is part of audited disclosure information (as defined in clause 1.4.3 of the main body of the determination), and so is subject to the assurance report required by clause 2.7 of the main body of the determination.

*sch ref*

83				
84	Regulated service asset value directly attributable		75,353	
85	Regulated service asset value not directly attributable		-	-
86	Financial loss asset		12,387	12,387
87	Total closing RAB value		87,740	-
88				

**4a(ii): Changes in Asset Allocations\* †**

		(\$000)	
		CY-1	Current Year (CY)
91	<b>Change in asset value allocation 1</b>		
92	Asset category	Original allocation	
93	Original allocator or line items	New allocation	
94	New allocator or line items	Difference	
95			
96	Rationale for change		
97			
98			

		(\$000)	
		CY-1	Current Year (CY)
100	<b>Change in asset value allocation 2</b>		
101	Asset category	Original allocation	
102	Original allocator or line items	New allocation	
103	New allocator or line items	Difference	
104			
105	Rationale for change		
106			
107			

		(\$000)	
		CY-1	Current Year (CY)
109	<b>Change in asset value allocation 3</b>		
110	Asset category	Original allocation	
111	Original allocator or line items	New allocation	
112	New allocator or line items	Difference	
113			
114	Rationale for change		
115			
116			

\* a change in asset allocation must be completed for each allocator or component change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component.  
 † include additional rows if needed

Company name

Northpower Fibre Limited

For disclosure-year ended

31 March 2022

## SCHEDULE 5: REPORT ON OPERATING EXPENDITURE FOR THE DISCLOSURE YEAR

This Schedule requires a breakdown of operating expenditure incurred in a disclosure year.

ID-only regulated providers must provide explanatory commentary on the information disclosed in this Schedule, in Schedule 14A (Mandatory Explanatory Notes).

This information is part of audited disclosure information (as defined in clause 1.4.3 of the main body of the determination), and so is subject to the assurance report required by clause 2.7 of the main body of the determination.

*sch ref*

5(i): Operating Expenditure		\$000
Level 1 category	Level 2 category	
Customer opex	Customer operations	
	Product, sales & marketing	
98	<b>Total customer opex</b>	-
Network opex	Maintenance	
	Network operations	
	Network operating costs	
543	<b>Total network opex</b>	-
Support opex	Asset management	
	Corporate opex	
	Technology	
639	<b>Total support opex</b>	-
<b>Total</b>		<b>1,280</b>
5(ii): Subcomponents of Operating Expenditure		
	Research and development	
	Insurance expenditure	9

**SCHEDULE 5a: REPORT ON COST ALLOCATIONS**

This Schedule provides information on the allocation of operating costs.

ID-only regulated providers must provide explanatory commentary on the information disclosed in this Schedule, in Schedule 14A (Mandatory Explanatory Notes), including on the impact of any reclassifications.

This information is part of audited disclosure information (as defined in clause 1.4.3 of the main body of the determination), and so is subject to the assurance report required by clause 2.7 of the main body of the determination.

sch ref

7	5a(i): Operating Cost Allocations		Level 1 Category		Level 2 category		
			ID-FFLAS	Non-FFLAS	ID-FFLAS	Non-FFLAS	Total Shared Costs
8							
9							
10	<b>Customer operations</b>						
11	Directly attributable						
12	Not directly attributable						
13	<b>Total attributable to regulated service</b>						
14	<b>Product, sales &amp; marketing</b>						
15	Directly attributable						
16	Not directly attributable						
17	<b>Total attributable to regulated service</b>						
18	<b>Customer opex</b>						
19			ID-FFLAS	Non-FFLAS			
20	Directly attributable		98				
21	Not directly attributable						
22	<b>Total attributable to regulated service</b>		98				
23	<b>Maintenance</b>						
24	Directly attributable						
25	Not directly attributable						
26	<b>Total attributable to regulated service</b>						
27	<b>Network operations</b>						
28	Directly attributable						
29	Not directly attributable						
30	<b>Total attributable to regulated service</b>						
31	<b>Network operating costs</b>						
32	Directly attributable						
33	Not directly attributable						
34	<b>Total attributable to regulated service</b>						
35	<b>Network opex</b>						
36			ID-FFLAS	Non-FFLAS			
37	Directly attributable		543				
38	Not directly attributable						
39	<b>Total attributable to regulated service</b>		543				
40	<b>Asset management</b>						
41	Directly attributable						
42	Not directly attributable						
43	<b>Total attributable to regulated service</b>						
44	<b>Corporate opex</b>						
45	Directly attributable						
46	Not directly attributable						
47	<b>Total attributable to regulated service</b>						
48	<b>Technology</b>						
49	Directly attributable						
50	Not directly attributable						
51	<b>Total attributable to regulated service</b>						
52			ID-FFLAS	Non-FFLAS			
53	Directly attributable		639				
54	Not directly attributable						
55	<b>Total attributable to regulated service</b>		639				
56	<b>Operating costs directly attributable</b>		1,280				
57	<b>Operating costs not directly attributable</b>		-				
58	<b>Operating expenditure</b>		1,280				
59	<b>5a(ii): Other Cost Allocations</b>						
60							
61	<b>Pass through costs</b>						
62	Directly attributable						
63	Not directly attributable						
64	<b>Total attributable to regulated service</b>						

Company name **Northpower Fibre Limited**

For disclosure-year ended **31 March 2022**

**SCHEDULE 5a: REPORT ON COST ALLOCATIONS**

This Schedule provides information on the allocation of operating costs.

ID-only regulated providers must provide explanatory commentary on the information disclosed in this Schedule, in Schedule 14A (Mandatory Explanatory Notes), including on the impact of any reclassifications.

This information is part of audited disclosure information (as defined in clause 1.4.3 of the main body of the determination), and so is subject to the assurance report required by clause 2.7 of the main body of the determination.

*sch ref*

**65 5a(iii): Changes in Cost Allocations\* †**

		(\$000)	
		CY-1	Current Year (CY)
66	<b>Change in cost allocation 1</b>		
67	Cost category		
68	Original allocator or line items	Original allocation	
69	New allocator or line items	New allocation	
70		Difference	-

71 Rationale for change

72

73

74

		(\$000)	
		CY-1	Current Year (CY)
75	<b>Change in cost allocation 2</b>		
76	Cost category		
77	Original allocator or line items	Original allocation	
78	New allocator or line items	New allocation	
79		Difference	-

80 Rationale for change

81

82

83

		(\$000)	
		CY-1	Current Year (CY)
84	<b>Change in cost allocation 3</b>		
85	Cost category		
86	Original allocator or line items	Original allocation	
87	New allocator or line items	New allocation	
88		Difference	-

89 Rationale for change

90

91

92 \* a change in cost allocation must be completed for each cost allocator change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component.

93 † include additional rows if needed

94

95



Company name

Northpower Fibre Limited

For disclosure-year ended

31 March 2022

## SCHEDULE 6: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR

This Schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs.

ID-only regulated providers must provide explanatory commentary on the information disclosed in this Schedule, in Schedule 14A (Mandatory Explanatory Notes).

This information is part of audited disclosure information (as defined in clause 1.4.3 of the main body of the determination), and so is subject to the assurance report required by clause 2.7 of the main body of the determination.

sch ref

6(i): Expenditure on Assets		(\$000)	(\$000)
7			
8	<b>Level 1 category</b>	<b>Level 2 category</b>	
9	Extending the network	Augmentation	
10		New property developments	
11		UFB communal	
12	1,625		-
13	Installations	Complex installations	
14		Standard installations	
15	801		-
16	Network capacity	Access	
17		Aggregation	
18		Transport	
19	24		-
20	Network sustain & enhance	Field Sustain	
21		Relocations	
22		Resilience	
23		Site Sustain	
24	69		-
25			
26	Network & customer IT	Network & Customer IT	
27			
28			
29	<b>Expenditure on network assets</b>		2,520
30			
31	Non-network IT	Business IT	
32		Corporate capex	
33	<b>Expenditure on non-network assets</b>		-
34	<b>Expenditure on assets</b>		2,520
35	plus Cost of financing		1
36	less Value of capital contributions		362
37	<b>Capital expenditure</b>		2,159
38			
39	<b>6(ii): Breakdown of capital contributions</b>	<b>(\$000)</b>	
40			
41	Extending the network	290	
42	Installations		
43	Network capacity		
44	Network sustain & enhance	72	

Company name

Northpower Fibre Limited

For disclosure-year ended

31 March 2022

## SCHEDULE 6: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR

This Schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs.

ID-only regulated providers must provide explanatory commentary on the information disclosed in this Schedule, in Schedule 14A (Mandatory Explanatory Notes).

This information is part of audited disclosure information (as defined in clause 1.4.3 of the main body of the determination), and so is subject to the assurance report required by clause 2.7 of the main body of the determination.

*sch ref*

45	<b>Network &amp; customer IT</b>	
46	<b>Total</b>	362
47		
48		
49	<b>6(iii): Subcomponents of Expenditure on Assets</b>	
50		
51		<b>(\$000)</b>
52	Research and development	
53		

Company name **Northpower Fibre Limited**

For disclosure-year ended **31 March 2022**

**SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE**

This Schedule compares actual revenue and expenditure to the previous forecasts that were made for the disclosure year. Accordingly, this Schedule requires the forecast revenue and expenditure information from previous disclosures to be inserted.

ID-only regulated providers must provide explanatory commentary on the variance between actual and target revenue and forecast expenditure in Schedule 14A (Mandatory Explanatory Notes).

This information is part of audited disclosure information (as defined in clause 1.4.3 of the main body of the determination), and so is subject to the assurance report required by clause 2.7 of the main body of the determination. For the purpose of that assurance report, target revenue and forecast expenditures only need to be verified back to previous disclosures.

Total target operating revenue should equal the sum of the nominal dollar target revenue for the disclosure year across all contracts disclosed to the Commission under clause 2.5.11(2) of this determination

sch ref

			Target (\$000) <sup>1</sup>	Actual (\$000)	% variance
7	<b>7(i): Revenue</b>				
8	Operating revenue				
9	Connection revenue		56	56	0%
10	Monthly access revenue		3,409	3,425	0%
11	Other product specific revenue		84	85	0%
12	<b>Total operating revenue</b>		<b>3,549</b>	<b>3,566</b>	<b>0%</b>
13					
14	<b>Non-financial</b>				
15	Connection volumes - opening		22,170	22,170	-
16	Connection volumes - closing		22,477	22,624	1%
17	<b>7(ii): Expenditure on Assets</b>		Forecast (\$000) <sup>2</sup>	Actual (\$000)	% variance
18	<b>Level 1 category</b>	<b>Level 2 category</b>			
19	Extending the network	Augmentation		-	-
20		New property developments		-	-
21		UFB communal		-	-
22			-	1,625	-
23	Installations	Complex installations		-	-
24		Standard installations		-	-
25			-	801	-
26	Network capacity	Access		-	-
27		Aggregation		-	-
28		Transport		-	-
29			-	24	-
30	Network sustain & enhance	Field Sustain		-	-
31		Relocations		-	-
32		Resilience		-	-
33		Site Sustain		-	-
34			-	69	-
35	Network & customer IT	Network & Customer IT		-	-
36	<b>Expenditure on network assets</b>		-	2,520	-
37					
38	Non-network IT	Business IT		-	-
39		Corporate capex		-	-
40	<b>Expenditure on non-network assets</b>		-	-	-
41			-	2,520	-
42	<b>7(iii): Operating Expenditure</b>		Forecast (\$000) <sup>2</sup>	Actual (\$000)	% variance
43	<b>Level 1 category</b>	<b>Level 2 category</b>			
44	<b>Customer opex</b>	Customer operations		-	-
45		Product, sales & marketing		-	-
46		<b>Total customer opex</b>	-	98	-
47	<b>Network opex</b>	Maintenance		-	-
48		Network operations		-	-
49		Network operating costs		-	-
50		<b>Total network opex</b>	-	543	-
51	<b>Support opex</b>	Asset management		-	-
52		Corporate opex		-	-
53		Technology		-	-
54		<b>Total support opex</b>	-	639	-
55	<b>Operating expenditure</b>		-	1,280	-

Company name **Northpower Fibre Limited**

For disclosure-year ended **31 March 2022**

**SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE**

This Schedule compares actual revenue and expenditure to the previous forecasts that were made for the disclosure year. Accordingly, this Schedule requires the forecast revenue and expenditure information from previous disclosures to be inserted.

ID-only regulated providers must provide explanatory commentary on the variance between actual and target revenue and forecast expenditure in Schedule 14A (Mandatory Explanatory Notes).

This information is part of audited disclosure information (as defined in clause 1.4.3 of the main body of the determination), and so is subject to the assurance report required by clause 2.7 of the main body of the determination. For the purpose of that assurance report, target revenue and forecast expenditures only need to be verified back to previous disclosures.

Total target operating revenue should equal the sum of the nominal dollar target revenue for the disclosure year across all contracts disclosed to the Commission under clause 2.5.11(2) of this determination

*sch ref*

56	<b>7(iv): Subcomponents of Operating Expenditure</b>		
57	Research and development	-	-
58	Insurance	9	-
59			
60	<i>1 From the nominal dollar target revenue for the disclosure year disclosed under clause 2.5.11 of this determination</i>		
61	<i>2 From the CY+1 nominal dollar expenditure forecasts disclosed in accordance with clause 2.4.2 for the forecast period starting at the beginning of the disclosure year (Schedules 11 and 11a)</i>		
62			

Company name **Northpower Fibre Limited**  
 For disclosure-year ended **31 March 2022**

**SCHEDULE 8: REPORT ON CALCULATION INPUTS**

Under clause 2.4.2 of the main body of the determination, an ID-only regulated provider must only complete sections 8(i) and 8(ii) if, as at the date of the most recently published financial statements, the weighted average original tenor of the debt portfolio (both qualifying debt and non-qualifying debt) is greater than five years.  
 This information is part of audited disclosure information (as defined in clause 1.4.3 of the main body of the determination), and so is subject to the assurance report required by clause 2.7 of the main body of the determination.

sch ref

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**8(i): Qualifying Debt (may be Commission only)**

Issuing party	Issue date	Pricing date	Original tenor (in years)	Coupon rate (%)	Book value at issue date (NZD)	Book value at date of financial statements (NZD)	Term Credit Spread Difference	Debt issue cost readjustment
* include additional rows if needed						-	-	-

**8(ii): Calculation of Term Credit Spread Differential allowance**

Gross term credit spread differential		-
Total book value of interest bearing debt		
Leverage	29%	
Average opening and closing RAB values		
Attribution Rate (%)	not defined	
Term credit spread differential allowance		-

**8(iii): Calculation of Notional Deductible Interest**

Opening RAB value		85,249
Minus: Crown financing outstanding	15,946	
Leverage (%)	29.00%	
Cost of debt	3.91%	
Months in disclosure year	3	
Notional deductible interest		196

**8(iv): Calculation of Asset Stranding Allowance adjustment to ROI**

A		0.001
B average of C and D where:		98,833
C = sum of opening RAB values of core fibre assets	85,248.95	
+ opening RAB value of financial loss asset	12,290.00	
Total	97,538.95	
and		
D = Sum of closing RAB values of core fibre assets	87,739.60	
+ closing RAB value of financial loss asset	12,386.68	
Total	100,126.29	
Asset stranding allowance adjustment = A x B		99

Company name **Northpower Fibre Limited**  
 For disclosure-year ended **31 March 2022**

**SCHEDULE 9: REPORT ON RELATED PARTY TRANSACTIONS**

This Schedule provides information on the valuation of related party transactions for the purpose of clause 2.4.2 of the the main body of the determination. This information is part of audited disclosure information (as defined in clause 1.4.3 of the main body of the determination), and so is subject to the assurance report required by clause 2.7 of the main body of the determination.

sch ref

9(i): Summary—Related Party Transactions		(\$000)	(\$000)
7	<b>Total regulatory income</b>		13
8	Percentage of total regulatory income where associated FFLAS services were provided at a value less than if the transaction was an arm's-length transaction.		
9			
10			
11	<b>Market value of asset disposals</b>		
12			
13	<b>Operating expenditure</b>		
14	<b>Level 1 category</b>	<b>Level 2 category</b> (Assign expenditure to level 1 or level 2 category in G42 to G56 below)	
15	<b>Customer opex</b>	Customer operations	-
16		Product, sales & marketing	-
17		<b>Customer opex</b>	67
18	<b>Network opex</b>	Maintenance	-
19		Network operations	-
20		Network operating costs	-
21		<b>Network opex</b>	415
22	<b>Support opex</b>	Asset management	-
23		Corporate opex	-
24		Technology	-
25		<b>Support opex</b>	405
26		<b>Total Operating expenditure</b>	887
27	<b>Capital expenditure</b>		
28	<b>Level 1 category</b>		
28	Extending the network		1,625
29	Installations		801
30	Network capacity		1
31	Network sustain & enhance		69
32	Network & customer IT		-
33	<b>Expenditure on network assets</b>		2,496
34	<b>Expenditure on non-network assets</b>		-
35	<b>Expenditure on assets</b>		2,496
36	Cost of financing		
37	Value of capital contributions		362
38	<b>Capital Expenditure</b>		2,134
39	<b>Total expenditure</b>		3,021
40			
41	<b>Other related party transactions</b>		

9(ii): Total Regulatory Income from related party transactions*		Total value of related party transactions (\$000)
44	<b>Name of related party</b>	<b>Nature of services</b>
45	Northpower Limited	FFLAS
46		
47		
48		
49	<b>Total value of related party transactions</b>	13

9(iii): Total Opex and Capex Related Party Transactions*		Total value of related party transactions (\$000)
51	<b>Name of related party</b>	<b>Nature of opex or capex</b>
52	Northpower Limited	Customer opex
53	Northpower Limited	Network opex
54	Northpower Limited	Support opex
55	Northpower Limited	Extending the network
56	Northpower Limited	Installations
57	Northpower Limited	Network capacity
58	Northpower Limited	Network sustain & enhance
59		[Select one]
60		[Select one]
61		[Select one]
62		[Select one]
63		[Select one]
64		[Select one]
65		[Select one]
66		[Select one]
67		[Select one]
68	<b>Total value of related party transactions</b>	3,383

\* include additional rows if needed



Company Name **Northpower Fibre Limited**  
 Planning Period

**SCHEDULE 11: REPORT ON FORECAST CAPITAL EXPENDITURE**

This Schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and a 5 year planning period. 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)  
 ID-only providers 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 (as defined in clause 1.4.3 of the main body of the determination).

sch ref

		Current Year Actual	CY+1	CY+2	CY+3	CY+4	CY+5
7							
8							
9	<b>11(i): Expenditure on Assets Forecast</b>	<b>\$000 (in nominal dollars)</b>					
10	<b>Level 1 category</b>						
11	<b>Level 2 category</b>						
12	Augmentation						
13	New property developments						
14	UFB communal						
15	<b>Extending the network (complete if disclosing at Level 1 category)</b>	-	-	-	-	-	-
16	Complex installations						
17	Standard installations						
18	<b>Installations (complete if disclosing at Level 1 category)</b>	-	-	-	-	-	-
19	Access						
20	Aggregation						
21	Transport						
22	<b>Network capacity (complete if disclosing at Level 1 category)</b>	-	-	-	-	-	-
23	Field Sustain						
24	Relocations						
25	Resilience						
26	Site Sustain						
27	<b>Network sustain &amp; enhance (complete if disclosing at Level 1 category)</b>	-	-	-	-	-	-
28							
29							
30							
31							
32	<b>Network &amp; customer IT</b>						
33	Network & Customer IT						
34	<b>Expenditure on network assets</b>	-	-	-	-	-	-
35	Business IT						
36	Corporate capex						
37	<b>Non-network IT &amp; support (complete if disclosing at Level 1 category)</b>	-	-	-	-	-	-
38	<b>Non-network IT &amp; support</b>	-	-	-	-	-	-
39							
40	<b>Expenditure on assets</b>	-	-	-	-	-	-
41	plus Cost of financing						
42	less Value of capital contributions						



Company Name **Northpower Fibre Limited**  
 Planning Period

**SCHEDULE 11: REPORT ON FORECAST CAPITAL EXPENDITURE**

This Schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and a 5 year planning period. 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)  
 ID-only providers 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 (as defined in clause 1.4.3 of the main body of the determination).

sch ref								
43		<b>Capital expenditure forecast</b>	-	-	-	-	-	-
44								
45		Assets commissioned						
46								
47		<b>Subcomponents of expenditure on assets (where known)</b>						
48		Research and development						
49			<i>Current Year Actual</i>	<i>CY+1</i>	<i>CY+2</i>	<i>CY+3</i>	<i>CY+4</i>	<i>CY+5</i>
50			<b>\$000 (in constant dollars)</b>					
51	<b>Level 1 category</b>	<b>Level 2 category</b>						
52		Augmentation						
53		New property developments						
54		UFB communal						
55		<b>Extending the network (complete if disclosing at Level 1 category)</b>						
56			-	-	-	-	-	-
57		Complex installations						
58		Standard installations						
59		<b>Installations (complete if disclosing at Level 1 category)</b>						
60			-	-	-	-	-	-
61		Access						
62		Aggregation						
63		Transport						
64		<b>Network capacity (complete if disclosing at Level 1 category)</b>						
65			-	-	-	-	-	-
66		Field Sustain						
67		Relocations						
68		Resilience						
69		Site Sustain						
70		<b>Network sustain &amp; enhance (complete if disclosing at Level 1 category)</b>						
71			-	-	-	-	-	-
72								
73	<b>Network &amp; customer IT</b>	Network & Customer IT						
74		<b>Expenditure on network assets</b>	-	-	-	-	-	-
75								
76		Business IT						
77		Corporate capex						
78		<b>Non-network IT &amp; support (complete if disclosing at Level 1 category)</b>						
79		<b>Non-network IT &amp; support</b>	-	-	-	-	-	-
80								

Company Name **Northpower Fibre Limited**  
 Planning Period

**SCHEDULE 11: REPORT ON FORECAST CAPITAL EXPENDITURE**

This Schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and a 5 year planning period. 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)  
 ID-only providers 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 (as defined in clause 1.4.3 of the main body of the determination).

sch ref						
81	<b>Expenditure on assets</b>	-	-	-	-	-
82	plus Cost of financing					
83	less Value of capital contributions	-	-	-	-	-
84	<b>Capital expenditure forecast</b>	-	-	-	-	-
85						
86	Assets commissioned					
87						
88						
89		<i>Current Year Actual</i>	<i>CY+1</i>	<i>CY+2</i>	<i>CY+3</i>	<i>CY+4</i>
90	<b>Difference between nominal and constant price forecasts</b>	<b>\$000</b>				
91						
92	Augmentation	-	-	-	-	-
93	New property developments	-	-	-	-	-
94	UFB communal	-	-	-	-	-
95	<b>Extending the network</b>	-	-	-	-	-
96	Complex installations	-	-	-	-	-
97	Standard installations	-	-	-	-	-
98	<b>Installations</b>	-	-	-	-	-
99	Access	-	-	-	-	-
100	Aggregation	-	-	-	-	-
101	Transport	-	-	-	-	-
102	<b>Network capacity</b>	-	-	-	-	-
103	Field Sustain	-	-	-	-	-
104	Relocations	-	-	-	-	-
105	Resilience	-	-	-	-	-
106	Site Sustain	-	-	-	-	-
107	<b>Network sustain &amp; enhance</b>	-	-	-	-	-
108						
109	Network & Customer IT	-	-	-	-	-
110	<b>Expenditure on network assets</b>	-	-	-	-	-
111						
112	Business IT	-	-	-	-	-
113	Corporate capex	-	-	-	-	-
114	<b>Non-network IT &amp; support</b>	-	-	-	-	-
115						
116	<b>Expenditure on assets</b>	-	-	-	-	-
117	plus Cost of financing	-	-	-	-	-

Company Name **Northpower Fibre Limited**  
 Planning Period

**SCHEDULE 11: REPORT ON FORECAST CAPITAL EXPENDITURE**

This Schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and a 5 year planning period. 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)

ID-only providers 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 (as defined in clause 1.4.3 of the main body of the determination).

sch ref							
118	less	Value of capital contributions	-	-	-	-	-
119		<b>Capital expenditure forecast</b>	-	-	-	-	-
120							
121		Assets commissioned	-	-	-	-	-
122							
123							
124							
125		<b>11(ii): Breakdown of capital contributions</b>					
126			<b>\$000 (in constant dollars)</b>				
127			<i>Current Year Actual</i>	<i>CY+1</i>	<i>CY+2</i>	<i>CY+3</i>	<i>CY+4</i>
127		Extending the network					
128		Installations					
129		Network capacity					
130		Network sustain & enhance					
131		Network & customer IT					
132		<b>Total</b>	-	-	-	-	-
133							
134							
135							

Company name **Northpower Fibre Limited**  
 Planning period

**SCHEDULE 11a: REPORT ON FORECAST OPERATING EXPENDITURE**

This Schedule requires a breakdown of forecast operating expenditure for the disclosure year and a 5 year planning period. The forecast is to be expressed in both constant price and nominal dollar terms. ID-only providers must provide explanatory comment on the difference between constant price and nominal dollar operating expenditure forecasts in Schedule 14A (Mandatory Explanatory Notes), as applicable. This information is not part of audited disclosure information (as defined in clause 1.4.3 of the main body of the determination).

sch ref			Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
7								
8	<b>Operating Expenditure Forecast</b>		<b>\$000 (in nominal dollars)</b>					
9	<b>Level 1 category</b>	<b>Level 2 category</b>						
10		Customer operations						
11		Product, sales & marketing						
12	<b>Customer opex (complete if disclosing at Level 1 category)</b>							
13		<b>Total customer opex</b>	-	-	-	-	-	-
14		Maintenance						
15		Network operations						
16		Network operating costs						
17	<b>Network opex (complete if disclosing at Level 1 category)</b>							
18		<b>Total network opex</b>	-	-	-	-	-	-
19		Asset management						
20		Corporate opex						
21		Technology						
22	<b>Support opex (complete if disclosing at Level 1 category)</b>							
23		<b>Total support opex</b>	-	-	-	-	-	-
24	<b>Operating expenditure</b>		-	-	-	-	-	-
25								
26	<b>Subcomponents of operating expenditure (where known)</b>							
27		Research and development						
28		Insurance						
29								
30			Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
31	<b>Operating Expenditure Forecast</b>		<b>\$000 (in constant dollars)</b>					
32	<b>Level 1 category</b>	<b>Level 2 category</b>						
33		Customer operations						
34		Product, sales & marketing						
35	<b>Customer opex (complete if disclosing at Level 1 category)</b>							
36		<b>Total customer opex</b>	-	-	-	-	-	-
37		Maintenance						
38		Network operations						

Company name **Northpower Fibre Limited**  
 Planning period

**SCHEDULE 11a: REPORT ON FORECAST OPERATING EXPENDITURE**

This Schedule requires a breakdown of forecast operating expenditure for the disclosure year and a 5 year planning period. The forecast is to be expressed in both constant price and nominal dollar terms.  
 ID-only providers must provide explanatory comment on the difference between constant price and nominal dollar operating expenditure forecasts in Schedule 14A (Mandatory Explanatory Notes), as applicable.  
 This information is not part of audited disclosure information (as defined in clause 1.4.3 of the main body of the determination).

39		Network operating costs						
40	<b>Network opex</b>	<i>(complete if disclosing at Level 1 category)</i>						
41		<b>Total network opex</b>	-	-	-	-	-	-
42		Asset management						
43		Corporate opex						
44		Technology						
45	<b>Support opex</b>	<i>(complete if disclosing at Level 1 category)</i>						
46		<b>Total support opex</b>	-	-	-	-	-	-
47	<b>Operating expenditure</b>		-	-	-	-	-	-
48								
49								
50	<b>Difference between nominal and real forecasts</b>		<b>\$000</b>					
51	<b>Level 1 category</b>	<b>Level 2 category</b>						
52	<b>Customer opex</b>	Customer operations	-	-	-	-	-	-
53		Product, sales & marketing	-	-	-	-	-	-
54		<b>Total customer opex</b>	-	-	-	-	-	-
55	<b>Network opex</b>	Maintenance	-	-	-	-	-	-
56		Network operations	-	-	-	-	-	-
57		Network operating costs	-	-	-	-	-	-
58		<b>Total network opex</b>	-	-	-	-	-	-
59	<b>Support opex</b>	Asset management	-	-	-	-	-	-
60		Corporate opex	-	-	-	-	-	-
61		Technology	-	-	-	-	-	-
62		<b>Total support opex</b>	-	-	-	-	-	-
63	<b>Operating expenditure</b>		-	-	-	-	-	-
64								
65								

Company Name  
Planning Period

Northpower Fibre Limited

**SCHEDULE 12: REPORT ON FORECAST CAPACITY AND UTILISATION**

This Schedule requires a breakdown of current and forecast capacity and utilisation for each area. Information provided in this table should relate to the operation of the network in its normal steady state configuration.

sch ref

12(i): System capacity and utilisation													
	Current year	Current year	3 Year Forecast	5 Year Forecast	Current year	3 Year Forecast	5 Year Forecast	Current year	3 Year Forecast	5 Year Forecast	Current year	3 Year Forecast	5 Year Forecast
	Number of COs	Number of P2P end user connections within POI area	Number of P2P end users within POI area	Number of P2P end users within POI area	Number of GPON end users from CO	Number of GPON end users from CO	Number of GPON end users from CO	Central Office (CO) to fibre flexibility point (FFPs), with percentage fill greater than 85%	Central Office (CO) to fibre flexibility point (FFPs), with percentage fill greater than 85%	Central Office (CO) to fibre flexibility point (FFPs), with percentage fill greater than 85%	Premises Passed	Premises Passed	Premises Passed
POI Area													
Ashburton													
Auckland													
Blenheim													
Christchurch													
Dunedin													
Gisborne													
Greymouth													
Hamilton													
Invercargill													
Kapiti													
Levin													
Masterton													
Napier & Hastings													
Nelson													
New Plymouth													
Oamaru													
Palmerston North													
Queenstown													
Rotorua													
Taupo													
Tauranga													
Timaru													
Whanganui													
Wellington													
Whakatane													
Whangarei													
<b>TOTALS</b>													

Company Name **Northpower Fibre Limited**  
 Planning Period

**SCHEDULE 12a: REPORT ON FORECAST NETWORK DEMAND**

This Schedule requires a forecast of new connections (by consumer type), peak demand and data volumes for the disclosure year and a 5 year planning period. The forecasts should be consistent with the assumptions used in developing the expenditure forecasts in Schedules 11 and Schedule 11a and the capacity and utilisation forecasts in Schedule 12.

sch ref

**12a(i): Active forecast connections**

*GPON connections by service level may be Commission only*

	Number of connections					
	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
GPON connections by core service*						
[plan description]						
[plan description]						
[plan description]						
[plan description]						
[plan description]						
[plan description]						
[plan description]						
[plan description]						
[plan description]						
Total GPON connections by core service	-	-	-	-	-	-
Other GPON connections						
P2P connections						
Total connections	-	-	-	-	-	-
<b>Sum of GPON core service connection speeds (bits per second)</b>						
<b>Average speed (bits per second)</b>	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
<b>Average throughput per user (bits per second)</b>	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

\*include additional rows if needed

**12a(ii) System Traffic (Gigabits per second)**

*Demand by POI area may be Commission only*

	Observed	Forecast				
	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
<b>Aggregate coincident maximum peak demand across all ports by POI area</b>						
Ashburton						
Auckland						
Blenheim						
Christchurch						
Dunedin						
Gisborne						
Greymouth						
Hamilton						
Invercargill						
Kapiti						
Levin						
Masterton						

Company Name **Northpower Fibre Limited**  
 Planning Period

**SCHEDULE 12a: REPORT ON FORECAST NETWORK DEMAND**

This Schedule requires a forecast of new connections (by consumer type), peak demand and data volumes for the disclosure year and a 5 year planning period. The forecasts should be consistent with the assumptions used in developing the expenditure forecasts in Schedules 11 and Schedule 11a and the capacity and utilisation forecasts in Schedule 12.

<i>sch ref</i>								
45	Napier & Hastings							
46	Nelson							
47	New Plymouth							
48	Oamaru							
49	Palmerston North							
50	Queenstown							
51	Rotorua							
52	Taupo							
53	Tauranga							
54	Timaru							
55	Whanganui							
56	Wellington							
57	Whakatane							
58	Whangarei							
59	<b>Sum</b>	-	-	-	-	-	-	-
60								
61	<b>System peak (maximum observed peak in gigabits per second)</b>							
62	<b>Forecast system peak</b>							
63	<b>% of sum of peaks</b>	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
64								
65								
66	<b>Average demand by POI area (gigabits per second)</b>							
67	Ashburton							
68	Auckland							
69	Blenheim							
70	Christchurch							
71	Dunedin							
72	Gisborne							
73	Greymouth							
74	Hamilton							
75	Invercargill							
76	Kapiti							
77	Levin							
78	Masterton							
79	Napier & Hastings							
80	Nelson							
81	New Plymouth							
82	Oamaru							
83	Palmerston North							
84	Queenstown							



Company Name **Northpower Fibre Limited**  
 Planning Period

### SCHEDULE 12a: REPORT ON FORECAST NETWORK DEMAND

This Schedule requires a forecast of new connections (by consumer type), peak demand and data volumes for the disclosure year and a 5 year planning period. The forecasts should be consistent with the assumptions used in developing the expenditure forecasts in Schedules 11 and Schedule 11a and the capacity and utilisation forecasts in Schedule 12.

sch ref

85	Rotorua					
86	Taupo					
87	Tauranga					
88	Timaru					
89	Whanganui					
90	Wellington					
91	Whakatane					
92	Whangarei					
93	<b>Total</b>	-	-	-	-	-

	Observed	Forecast					
		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
96	<b>Peak to average ratio</b>						
97	Ashburton	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
98	Auckland	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
99	Blenheim	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
100	Christchurch	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
101	Dunedin	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
102	Gisborne	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
103	Greymouth	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
104	Hamilton	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
105	Invercargill	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
106	Kapiti	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
107	Levin	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
108	Masterton	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
109	Napier & Hastings	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
110	Nelson	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
111	New Plymouth	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
112	Oamaru	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
113	Palmerston North	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
114	Queenstown	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
115	Rotorua	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
116	Taupo	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
117	Tauranga	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
118	Timaru	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
119	Whanganui	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
120	Wellington	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
121	Whakatane	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
122	Whangarei	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	checking f
123	<b>Total</b>	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Company Name **Northpower Fibre Limited**  
Planning Period

### SCHEDULE 12a: REPORT ON FORECAST NETWORK DEMAND

This Schedule requires a forecast of new connections (by consumer type), peak demand and data volumes for the disclosure year and a 5 year planning period. The forecasts should be consistent with the assumptions used in developing the expenditure forecasts in Schedules 11 and Schedule 11a and the capacity and utilisation forecasts in Schedule 12.

*sch ref*

125  
126  
127  
128  
129

Company Name **Northpower Fibre Limited**  
 AMP Planning Period  
 Asset Management Standard Applied

**SCHEDULE 13: REPORT ON ASSET MANAGEMENT CAPABILITY**

This Schedule requires information on an ID-only regulated provider's self-assessment of the maturity of its asset management practices and a descriptions of its practices for collecting and managing network data, making risk-based decisions and managing cost estimation models.

**SECTION 1 - SELF-ASSESSMENT QUESTIONS**

Question No.	Function	Standard Ref. (For guidance only)	Question	Maturity Level Score	Evidence—Summary	Target Score CY+3	Initiatives planned to achieve target score	Why	Who	Record/document Information
1	Asset management policy		To what extent has an asset management policy been documented, authorised and communicated?					Widely used AM practice standards require an organisation to document, authorise and communicate its asset management policy. A key pre-requisite of any robust policy is that the organisation's top management must be seen to endorse and fully support it. Also vital to the effective implementation of the policy, is to tell the appropriate people of its content and their obligations under it. Where an organisation outsources some of its asset-related activities, then these people and their organisations must equally be made aware of the policy's content. Also, there may be other stakeholders, such as regulatory authorities and shareholders who should be made aware of it.	Top management. The management team that has overall responsibility for asset management.	The organisation's asset management policy, its organisational strategic plan, documents indicating how the asset management policy was based upon the needs of the organisation and evidence of communication.
2	Asset management strategy		What has the organisation done to ensure that its asset management strategy is consistent with other appropriate organisational policies and strategies, and the needs of stakeholders?					In setting an organisation's asset management strategy, it is important that it is consistent with any other policies and strategies that the organisation has, and has taken into account the requirements of relevant stakeholders. This question examines to what extent the asset management strategy is consistent with other organisational policies and strategies and has taken account of stakeholder requirements. Generally, this will take into account the same policies, strategies and stakeholder requirements as covered in drafting the asset management policy but at a greater level of detail.	Top management. The organisation's strategic planning team. The management team that has overall responsibility for asset management.	The organisation's asset management strategy document and other related organisational policies and strategies. Other than the organisation's strategic plan, these could include those relating to health and safety, environmental, etc. Results of stakeholder consultation.
3			In what way does the organisation's asset management strategy take account of the lifecycle of the assets, asset types and asset systems over which the organisation has stewardship?					Good asset stewardship is the hallmark of an organisation compliant with widely used AM standards. A key component of this is the need to take account of the lifecycle of the assets, asset types and asset systems. This question explores what an organisation has done to take lifecycle into account in its asset management strategy.	Top management. People in the organisation with expert knowledge of the assets, asset types, asset systems and their associated life-cycles. The management team that has overall responsibility for asset management. Those responsible for developing and adopting methods and processes used in asset management	The organisation's documented asset management strategy and supporting working documents.
4	Asset management plan(s)		How does the organisation establish and document its asset management plan(s) across the life cycle activities of its assets and asset systems?					The asset management strategy need to be translated into practical plan(s) so that all parties know how the objectives will be achieved. The development of plan(s) will need to identify the specific tasks and activities required to optimize costs, risks and performance of the assets and/or asset system(s), when they are to be carried out and the resources required.	The management team with overall responsibility for the asset management system. Operations, maintenance and engineering managers.	The organisation's asset management plan(s).
5			How has the organisation communicated its plan(s) to all relevant parties to a level of detail appropriate to the receiver's role in their delivery?					Plans will be ineffective unless they are communicated to all those, including contracted suppliers and those who undertake enabling function(s). The plan(s) need to be communicated in a way that is relevant to those who need to use them.	The management team with overall responsibility for the asset management system. Delivery functions and suppliers.	Distribution lists for plan(s). Documents derived from plan(s) which detail the receivers role in plan delivery. Evidence of communication.

Company Name **Northpower Fibre Limited**  
 AMP Planning Period  
 Asset Management Standard Applied

**SCHEDULE 13: REPORT ON ASSET MANAGEMENT CAPABILITY**

This Schedule requires information on an ID-only regulated provider's self-assessment of the maturity of its asset management practices and a descriptions of its practices for collecting and managing network data, making risk-based decisions and managing cost estimation models.

6			How are designated responsibilities for delivery of asset plan actions documented?					The implementation of asset management plan(s) relies on (1) actions being clearly identified, (2) an owner allocated and (3) that owner having sufficient delegated responsibility and authority to carry out the work required. It also requires alignment of actions across the organisation. This question explores how well the plan(s) set out responsibility for delivery of asset plan actions.	The management team with overall responsibility for the asset management system. Operations, maintenance and engineering managers. If appropriate, the performance management team.	The organisation's asset management plan(s). Documentation defining roles and responsibilities of individuals and organisational departments.
7			What has the organisation done to ensure that appropriate arrangements are made available for the efficient and cost effective implementation of the plan(s)?  (Note this is about resources and enabling support)					It is essential that the plan(s) are realistic and can be implemented, which requires appropriate resources to be available and enabling mechanisms in place. This question explores how well this is achieved. The plan(s) not only need to consider the resources directly required and timescales, but also the enabling activities, including for example, training requirements, supply chain capability and procurement timescales.	The management team with overall responsibility for the asset management system. Operations, maintenance and engineering managers. If appropriate, the performance management team. Where appropriate the procurement team and service providers working on the organisation's asset-related activities.	The organisation's asset management plan(s). Documented processes and procedures for the delivery of the asset management plan.
8	Contingency planning		What plan(s) and procedure(s) does the organisation have for identifying and responding to incidents and emergency situations and ensuring continuity of critical asset management activities?					Widely used AM practice standards require that an organisation has plan(s) to identify and respond to emergency situations. Emergency plan(s) should outline the actions to be taken to respond to specified emergency situations and ensure continuity of critical asset management activities including the communication to, and involvement of, external agencies. This question assesses if, and how well, these plan(s) triggered, implemented and resolved in the event of an incident. The plan(s) should be appropriate to the level of risk as determined by the organisation's risk assessment methodology. It is also a requirement that relevant personnel are competent and trained.	The manager with responsibility for developing emergency plan(s). The organisation's risk assessment team. People with designated duties within the plan(s) and procedure(s) for dealing with incidents and emergency situations.	The organisation's plan(s) and procedure(s) for dealing with emergencies. The organisation's risk assessments and risk registers.
9	Structure, authority and responsibilities		What has the organisation done to appoint member(s) of its management team to be responsible for ensuring that the organisation's assets deliver the requirements of the asset management strategy, objectives and plan(s)?					In order to ensure that the organisation's assets and asset systems deliver the requirements of the asset management policy, strategy and objectives responsibilities need to be allocated to appropriate people who have the necessary authority to fulfil their responsibilities.	Top management. People with management responsibility for the delivery of asset management policy, strategy, objectives and plan(s). People working on asset-related activities.	Evidence that managers with responsibility for the delivery of asset management policy, strategy, objectives and plan(s) have been appointed and have assumed their responsibilities. Evidence may include the organisation's documents relating to its asset management system, organisational charts, job descriptions of post-holders, annual targets/objectives and personal development plan(s) of post-holders as appropriate.
10			What evidence can the organisation's top management provide to demonstrate that sufficient resources are available for asset management?					Optimal asset management requires top management to ensure sufficient resources are available. In this context the term 'resources' includes manpower, materials, funding and service provider support.	Top management. The management team that has overall responsibility for asset management. Risk management team. The organisation's managers involved in day-to-day supervision of asset-related activities, such as frontline managers, engineers, foremen and chargehands as appropriate.	Evidence demonstrating that asset management plan(s) and/or the process(es) for asset management plan implementation consider the provision of adequate resources in both the short and long term. Resources include funding, materials, equipment, services provided by third parties and personnel (internal and service providers) with appropriate skills competencies and knowledge.

SCHEDULE 13: REPORT ON ASSET MANAGEMENT CAPABILITY									
This Schedule requires information on an ID-only regulated provider's self-assessment of the maturity of its asset management practices and a descriptions of its practices for collecting and managing network data, making risk-based decisions and managing cost estimation models.									
						Company Name	Northpower Fibre Limited		
						AMP Planning Period			
						Asset Management Standard Applied			
11			To what degree does the organisation's top management communicate the importance of meeting its asset management requirements?				Widely used AM practice standards require an organisation to communicate the importance of meeting its asset management requirements such that personnel fully understand, take ownership of, and are fully engaged in the delivery of the asset management requirements.	Top management. The management team that has overall responsibility for asset management. People involved in the delivery of the asset management requirements.	Evidence of such activities as road shows, written bulletins, workshops, team talks and management walk-abouts would assist an organisation to demonstrate it is meeting this requirement.
12	Outsourcing of asset management activities		Where the organisation has outsourced some of its asset management activities, how has it ensured that appropriate controls are in place to ensure the compliant delivery of its organisational strategic plan, and its asset management policy and strategy?				Where an organisation chooses to outsource some of its asset management activities, the organisation must ensure that these outsourced process(es) are under appropriate control to ensure that all the requirements of widely used AM standards are in place, and the asset management policy, strategy objectives and plan(s) are delivered. This includes ensuring capabilities and resources across a time span aligned to life cycle management. The organisation must put arrangements in place to control the outsourced activities, whether it be to external providers or to other in-house departments. This question explores what the organisation does in this regard.	Top management. The management team that has overall responsibility for asset management. The manager(s) responsible for the monitoring and management of the outsourced activities. People involved with the procurement of outsourced activities. The people within the organisations that are performing the outsourced activities. The people impacted by the outsourced activity.	The organisation's arrangements that detail the compliance required of the outsourced activities. For example, this could form part of a contract or service level agreement between the organisation and the suppliers of its outsourced activities. Evidence that the organisation has demonstrated to itself that it has assurance of compliance of outsourced activities.
13	Training, awareness and competence		How does the organisation develop plan(s) for the human resources required to undertake asset management activities - including the development and delivery of asset management strategy, process(es), objectives and plan(s)?				There is a need for an organisation to demonstrate that it has considered what resources are required to develop and implement its asset management system. There is also a need for the organisation to demonstrate that it has assessed what development plan(s) are required to provide its human resources with the skills and competencies to develop and implement its asset management systems. The timescales over which the plan(s) are relevant should be commensurate with the planning horizons within the asset management strategy considers e.g. if the asset management strategy considers a 5 year time scale then the human resources development plan(s) should align with this. Resources include both 'in house' and external resources who undertake asset management activities.	Senior management responsible for agreement of plan(s). Managers responsible for developing asset management strategy and plan(s). Managers with responsibility for development and recruitment of staff (including HR functions). Staff responsible for training. Procurement officers. Contracted service providers.	Evidence of analysis of future work load plan(s) in terms of human resources. Document(s) containing analysis of the organisation's own direct resources and contractors resource capability over suitable timescales. Evidence, such as minutes of meetings, that suitable management forums are monitoring human resource development plan(s). Training plan(s), personal development plan(s), contract and service level agreements.
14			How does the organisation identify competency requirements and then plan, provide and record the training necessary to achieve the competencies?				Widely used AM standards require that organisations to undertake a systematic identification of the asset management awareness and competencies required at each level and function within the organisation. Once identified the training required to provide the necessary competencies should be planned for delivery in a timely and systematic way. Any training provided must be recorded and maintained in a suitable format. Where an organisation has contracted service providers in place then it should have a means to demonstrate that this requirement is being met for their employees.	Senior management responsible for agreement of plan(s). Managers responsible for developing asset management strategy and plan(s). Managers with responsibility for development and recruitment of staff (including HR functions). Staff responsible for training. Procurement officers. Contracted service providers.	Evidence of an established and applied competency requirements assessment process and plan(s) in place to deliver the required training. Evidence that the training programme is part of a wider, co-ordinated asset management activities training and competency programme. Evidence that training activities are recorded and that records are readily available (for both direct and contracted service provider staff) e.g. via organisation wide information system or local records database.

SCHEDULE 13: REPORT ON ASSET MANAGEMENT CAPABILITY										
This Schedule requires information on an ID-only regulated provider's self-assessment of the maturity of its asset management practices and a descriptions of its practices for collecting and managing network data, making risk-based decisions and managing cost estimation models.										
Company Name AMP Planning Period Asset Management Standard Applied										
Northpower Fibre Limited										
15	Training, awareness and competence		How does the organization ensure that persons under its direct control undertaking asset management related activities have an appropriate level of competence in terms of education, training or experience?					A critical success factor for the effective development and implementation of an asset management system is the competence of persons undertaking these activities. organisations should have effective means in place for ensuring the competence of employees to carry out their designated asset management function(s). Where an organisation has contracted service providers undertaking elements of its asset management system then the organisation shall assure itself that the outsourced service provider also has suitable arrangements in place to manage the competencies of its employees. The organisation should ensure that the individual and corporate competencies it requires are in place and actively monitor, develop and maintain an appropriate balance of these competencies.	Managers, supervisors, persons responsible for developing training programmes. Staff responsible for procurement and service agreements. HR staff and those responsible for recruitment.	Evidence of a competency assessment framework that aligns with established frameworks such as the asset management Competencies Requirements Framework (Version 2.0); National Occupational Standards for Management and Leadership; UK Standard for Professional Engineering Competence, Engineering Council, 2005.
16	Communication, participation and consultation		How does the organisation ensure that pertinent asset management information is effectively communicated to and from employees and other stakeholders, including contracted service providers?					Widely used AM practice standards require that pertinent asset management information is effectively communicated to and from employees and other stakeholders including contracted service providers. Pertinent information refers to information required in order to effectively and efficiently comply with and deliver asset management strategy, plan(s) and objectives. This will include for example the communication of the asset management policy, asset performance information, and planning information as appropriate to contractors.	Top management and senior management representative(s), employee's representative(s), employee's trade union representative(s), contracted service provider management and employee representative(s); representative(s) from the organisation's Health, Safety and Environmental team. Key stakeholder representative(s).	Asset management policy statement prominently displayed on notice boards, intranet and internet; use of organisation's website for displaying asset performance data; evidence of formal briefings to employees, stakeholders and contracted service providers; evidence of inclusion of asset management issues in team meetings and contracted service provider contract meetings; newsletters, etc.
17	Asset Management System documentation		What documentation has the organisation established to describe the main elements of its asset management system and interactions between them?					Widely used AM practice standards require an organisation maintain up to date documentation that ensures that its asset management systems (ie, the systems the organisation has in place to meet the standards) can be understood, communicated and operated.	The management team that has overall responsibility for asset management. Managers engaged in asset management activities.	The documented information describing the main elements of the asset management system (process(es)) and their interaction.
18	Information management		What has the organisation done to determine what its asset management information system(s) should contain in order to support its asset management system?					Effective asset management requires appropriate information to be available. Widely used AM standards therefore require the organisation to identify the asset management information it requires in order to support its asset management system. Some of the information required may be held by suppliers.  The maintenance and development of asset management information systems is a poorly understood specialist activity that is akin to IT management but different from IT management. This group of questions provides some indications as to whether the capability is available and applied. Note: To be effective, an asset information management system requires the mobilisation of technology, people and process(es) that create, secure, make available and destroy the information required to support the asset management system.	The organisation's strategic planning team. The management team that has overall responsibility for asset management. Information management team. Operations, maintenance and engineering managers	Details of the process the organisation has employed to determine what its asset information system should contain in order to support its asset management system. Evidence that this has been effectively implemented.

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<div style="float: right; text-align: right;">                     Company Name <b>Northpower Fibre Limited</b>                      AMP Planning Period                      Asset Management Standard Applied                 </div>										
19			How does the organisation maintain its asset management information system(s) and ensure that the data held within it (them) is of the requisite quality and accuracy and is consistent?					The response to the questions is progressive. A higher scale cannot be awarded without achieving the requirements of the lower scale.  This question explores how the organisation ensures that information management meets widely used AM practice requirements.	The management team that has overall responsibility for asset management. Users of the organisational information systems.	The asset management information system, together with the policies, procedure(s), improvement initiatives and audits regarding information controls.
20			How has the organisation's ensured its asset management information system is relevant to its needs?					Widely used AM standards need not be prescriptive about the form of the asset management information system, but simply require that the asset management information system is appropriate to the organisations needs, can be effectively used and can supply information which is consistent and of the requisite quality and accuracy.	The organisation's strategic planning team. The management team that has overall responsibility for asset management. Information management team. Users of the organisational information systems.	The documented process the organisation employs to ensure its asset management information system aligns with its asset management requirements. Minutes of information systems review meetings involving users.
21	Risk management process(es)		How has the organisation documented process(es) and/or procedure(s) for the identification and assessment of asset and asset management related risks throughout the asset life cycle?					Risk management is an important foundation for proactive asset management. Its overall purpose is to understand the cause, effect and likelihood of adverse events occurring, to optimally manage such risks to an acceptable level, and to provide an audit trail for the management of risks. Widely used standards require the organisation to have process(es) and/or procedure(s) in place that set out how the organisation identifies and assesses asset and asset management related risks. The risks have to be considered across all phases of the asset lifecycle.	The top management team in conjunction with the organisation's senior risk management representatives. There may also be input from the organisation's Safety, Health and Environment team. Staff who carry out risk identification and assessment.	The organisation's risk management framework and/or evidence of specific process(es) and/or procedure(s) that deal with risk control mechanisms. Evidence that the process(es) and/or procedure(s) are implemented across the business and maintained. Evidence of agendas and minutes from risk management meetings. Evidence of feedback in to process(es) and/or procedure(s) as a result of incident investigation(s). Risk registers and assessments.
22	Use and maintenance of asset risk information		How does the organisation ensure that the results of risk assessments provide input into the identification of adequate resources and training and competency needs?					Widely used AM standards require that the output from risk assessments are considered and that adequate resource (including staff) and training is identified to match the requirements. It is a further requirement that the effects of the control measures are considered, as there may be implications in resources and training required to achieve other objectives.	Staff responsible for risk assessment and those responsible for developing and approving resource and training plan(s). There may also be input from the organisation's Safety, Health and Environment team.	The organisations risk management framework. The organisation's resourcing plan(s) and training and competency plan(s). The organisation should be able to demonstrate appropriate linkages between the content of resource plan(s) and training and competency plan(s) to the risk assessments and risk control measures that have been developed.
23	Legal and other requirements		What procedure does the organisation have to identify and provide access to its legal, regulatory, statutory and other asset management requirements, and how is requirements incorporated into the asset management system?					In order for an organisation to comply with its legal, regulatory, statutory and other asset management requirements, the organisation first needs to ensure that it knows what they are. It is necessary to have systematic and auditable mechanisms in place to identify new and changing requirements. Widely used AM standards also require that requirements are incorporated into the asset management system (e.g. procedure(s) and process(es))	Top management. The organisations regulatory team. The organisation's legal team or advisors. The management team with overall responsibility for the asset management system. The organisation's health and safety team or advisors. The organisation's policy making team.	The organisational processes and procedures for ensuring information of this type is identified, made accessible to those requiring the information and is incorporated into asset management strategy and objectives
24	Life Cycle Activities		How does the organisation establish implement and maintain process(es) for the implementation of its asset management plan(s) and control of activities across the creation, acquisition or enhancement of assets. This includes design, modification, procurement, construction and commissioning activities?					Life cycle activities are about the implementation of asset management plan(s) i.e. they are the "doing" phase. They need to be done effectively and well in order for asset management to have any practical meaning. As a consequence, widely used standards require organisations to have in place appropriate process(es) and procedure(s) for the implementation of asset management plan(s) and control of lifecycle activities. This question explores those aspects relevant to asset creation.	Asset managers, design staff, construction staff and project managers from other impacted areas of the business, e.g. Procurement	Documented process(es) and procedure(s) which are relevant to demonstrating the effective management and control of life cycle activities during asset creation, acquisition, enhancement including design, modification, procurement, construction and commissioning.

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25			How does the organisation ensure that process(es) and/or procedure(s) for the implementation of asset management plan(s) and control of activities during maintenance (and inspection) of assets are sufficient to ensure activities are carried out under specified conditions, are consistent with asset management strategy and control cost, risk and performance?				Having documented process(es) which ensure the asset management plan(s) are implemented in accordance with any specified conditions, in a manner consistent with the asset management policy, strategy and objectives and in such a way that cost, risk and asset system performance are appropriately controlled is critical. They are an essential part of turning intention into action.	Asset managers, operations managers, maintenance managers and project managers from other impacted areas of the business	Documented procedure for review. Documented procedure for audit of process delivery. Records of previous audits, improvement actions and documented confirmation that actions have been carried out.
26	Performance and condition monitoring		How does the organisation measure the performance and condition of its assets?				Widely used AM standards require that organisations establish implement and maintain procedure(s) to monitor and measure the performance and/or condition of assets and asset systems. They further set out requirements in some detail for reactive and proactive monitoring, and leading/lagging performance indicators together with the monitoring or results to provide input to corrective actions and continual improvement. There is an expectation that performance and condition monitoring will provide input to improving asset management strategy, objectives and plan(s).	A broad cross-section of the people involved in the organisation's asset-related activities from data input to decision-makers, i.e. an end-to-end assessment. This should include contactors and other relevant third parties as appropriate.	Functional policy and/or strategy documents for performance or condition monitoring and measurement. The organisation's performance monitoring frameworks, balanced scorecards etc. Evidence of the reviews of any appropriate performance indicators and the action lists resulting from these reviews. Reports and trend analysis using performance and condition information. Evidence of the use of performance and condition information shaping improvements and supporting asset management strategy, objectives and plan(s).
27	Investigation of asset-related failures, incidents and nonconformities		How does the organisation ensure responsibility and the authority for the handling, investigation and mitigation of asset-related failures, incidents and emergency situations and non conformances is clear, unambiguous, understood and communicated?				Widely used AM standards require that the organisation establishes implements and maintains process(es) for the handling and investigation of failures incidents and non-conformities for assets and sets down a number of expectations. Specifically this question examines the requirement to define clearly responsibilities and authorities for these activities, and communicate these unambiguously to relevant people including external stakeholders if appropriate.	The organisation's safety and environment management team. The team with overall responsibility for the management of the assets. People who have appointed roles within the asset-related investigation procedure, from those who carry out the investigations to senior management who review the recommendations. Operational controllers responsible for managing the asset base under fault conditions and maintaining services to consumers. Contractors and other third parties as appropriate.	Process(es) and procedure(s) for the handling, investigation and mitigation of asset-related failures, incidents and emergency situations and non conformances. Documentation of assigned responsibilities and authority to employees. Job Descriptions, Audit reports. Common communication systems i.e. all Job Descriptions on Internet etc.
28	Audit		What has the organisation done to establish procedure(s) for the audit of its asset management system (process(es))?				This question seeks to explore what the organisation has done to comply with the standard practice AM audit requirements.	The management team responsible for its asset management procedure(s). The team with overall responsibility for the management of the assets. Audit teams, together with key staff responsible for asset management. For example, Asset Management Director, Engineering Director. People with responsibility for carrying out risk assessments	The organisation's asset-related audit procedure(s). The organisation's methodology(s) by which it determined the scope and frequency of the audits and the criteria by which it identified the appropriate audit personnel. Audit Schedules, reports etc. Evidence of the procedure(s) by which the audit results are presented, together with any subsequent communications. The risk assessment Schedule or risk registers.
29	Corrective & Preventative action		How does the organisation instigate appropriate corrective and/or preventive actions to eliminate or prevent the causes of identified poor performance and non-conformance?				Having investigated asset related failures, incidents and non-conformances, and taken action to mitigate their consequences, an organisation is required to implement preventative and corrective actions to address root causes. Incident and failure investigations are only useful if appropriate actions are taken as a result to assess changes to a businesses risk profile and ensure that appropriate arrangements are in place should a recurrence of the incident happen. Widely used AM standards also require that necessary changes arising from preventive or corrective action are made to the asset management system.	The management team responsible for its asset management procedure(s). The team with overall responsibility for the management of the assets. Audit and incident investigation teams. Staff responsible for planning and managing corrective and preventive actions.	Analysis records, meeting notes and minutes, modification records. Asset management plan(s), investigation reports, audit reports, improvement programmes and projects. Recorded changes to asset management procedure(s) and process(es). Condition and performance reviews. Maintenance reviews



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30	Continual Improvement		How does the organisation achieve continual improvement in the optimal combination of costs, asset related risks and the performance and condition of assets and asset systems across the whole life cycle?					Widely used AM standards have requirements to establish, implement and maintain process(es)/procedure(s) for identifying, assessing, prioritising and implementing actions to achieve continual improvement. Specifically there is a requirement to demonstrate continual improvement in optimisation of cost risk and performance/condition of assets across the life cycle. This question explores an organisation's capabilities in this area—looking for systematic improvement mechanisms rather than reviews and audit (which are separately examined).	The top management of the organisation. The manager/team responsible for managing the organisation's asset management system, including its continual improvement. Managers responsible for policy development and implementation.	Records showing systematic exploration of improvement. Evidence of new techniques being explored and implemented. Changes in procedure(s) and process(es) reflecting improved use of optimisation tools/techniques and available information. Evidence of working parties and research.
31			How does the organisation seek and acquire knowledge about new asset management related technology and practices, and evaluate their potential benefit to the organisation?					One important aspect of continual improvement is where an organisation looks beyond its existing boundaries and knowledge base to look at what 'new things are on the market'. These new things can include equipment, process(es), tools, etc. An organisation which does this will be able to demonstrate that it continually seeks to expand its knowledge of all things affecting its asset management approach and capabilities. The organisation will be able to demonstrate that it identifies any such opportunities to improve, evaluates them for suitability to its own organisation and implements them as appropriate. This question explores an organisation's approach to this activity.	The top management of the organisation. The manager/team responsible for managing the organisation's asset management system, including its continual improvement. People who monitor the various items that require monitoring for 'change'. People that implement changes to the organisation's policy, strategy, etc. People within an organisation with responsibility for investigating, evaluating, recommending and implementing new tools and techniques, etc.	Research and development projects and records, benchmarking and participation knowledge exchange professional forums. Evidence of correspondence relating to knowledge acquisition. Examples of change implementation and evaluation of new tools, and techniques linked to asset management strategy and objectives.

**SECTION 2 - DESCRIPTION OF PRACTICES FOR COLLECTING AND MANAGING NETWORK ASSET DATA, MAKING RISK-BASED DECISIONS AND MANAGING COST ESTIMATION MODELS**

Question No.	Function	Standard Ref. (For guidance only)	Scope/purpose of description	Evidence—Summary	User Guidance	Description of Practices
32	Describe how the business plans to systematise processes for collecting and collating network asset data, including data supplied by contractors and other third parties (note - target score and initiatives must be reported under 25 above).	ISO 55002, 7.5	Describe whether asset condition information is being captured in its systems in a consistent way so that when the data is extracted, it is meaningful and reliable. Describe what it has put in place by way of processes to achieve this, including how the business intends to ensure consistent and systematic data collection from third party providers who may be engaged in maintenance activities.			
33	Describe how the business plans to improve knowledge of network asset condition so that assets are replaced in a timely manner (note - target score and initiatives must be reported under 25 above).	ISO 55000, 6.2	Asset replacement decision making should be a key asset management objective and it should be informed by asset condition data to ensure assets are not replaced too late or too early. Asset condition based decision making also supports expenditure forecasts and reliable asset management plans			

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34	Describe how the business plans to, where appropriate, develop and improve asset health models so that they are informed by network asset condition data. (note - target score and initiatives must be reported under 25 above)	ISO 55002, 6.2	Asset health models are key to ensuring that asset replacements can be made in a timely manner and that expenditure forecasts are more robust. In some cases age-based volumetric models, informed by asset outage rates may be more appropriate but where asset health models can be reasonably developed, they should be.				
35	Describe how the business plans to ensure that there is a clear line-of-sight from asset condition data through to the expenditure forecasts and financial reporting. (note - target score and initiatives must be reported under 25 above).	ISO 55002, 9.1	Systematised asset management systems should ensure that there is consistency and traceability of technical asset information and condition data, through to the financial systems. This will support robust expenditure forecasting and decision making.  This is consistent with ISO 55002 section 9.1				
36	Describe how it plans to ensure it has an audited and regularly-maintained platform for sharing network asset data with internal and external stakeholders	ISO 55002, 2.5 and 8.3.2 (e)	Ensuring that asset and network data is verifiably accurate and enabling platforms for accessing that data made available to internal staff and thrid party providers will improve asset management outcomes.				
37	Describe how the business plans to test its asset and network performance, evaluate whether it is achieving its asset management policies and objectives, and identify ways to improve the performance of its network.	ISO 55000, 9.1	The asset management system should use monitored and measured data to obtain information regarding asset and network performance. This should be used to evaluate whether the asset management policies and objectives are being met, and identify corrective actions and areas for improvement.				

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38	Describe how the business intends to develop its asset criticality understanding, and how this informs its asset replacement and renewal strategies.	ISO 55002, 6.2.2.3 and 6.2.2.4	Understanding asset criticality and the impact that asset has on supply reliability if it fails is a key input into intervention prioritisation.				
39	Describe how the business intends to improve its network asset risk framework so it can make risk-based decisions, including where appropriate, risk-based decisions based on reliability risk, environmental risk, high-impact low-probability event risk, and safety risk.	ISO 55002, 6.2.2.3 and 6.2.2.4	The risk spectrum includes a wide range of risk considerations such as expected event risk, due to asset reliability events, through to unexpected HILP events that may involve multi-asset long duration outages for events such as earthquakes or floods. Safety risk involves asset failures in the proximity of staff or the public, and environmental risk may involve asset failure that has an environmental impact. A comprehensive risk framework will provide a platform for these risk considerations to inform risk mitigation strategies and expenditure decisions.				
40	Describe how the business is developing practices to identify and mitigate safety risks, including the use of a framework such as ALARP to prioritise identified safety risks and to justify investments to mitigate those risks.	ISO 55002, 6.2.2.3 and 6.2.2.4 and clause 22 of the Health and Safety at Work Act 2015	Risk calculations related to safety risk should be sufficiently explicit for decision makers to understand relative asset and network related safety risks, risk prioritisation, and the economic decision making surrounding mitigations if these are to provide risk controls above levels required by network design standards and statutory requirements.				
41	Describe how the business plans to routinely audit, update, and manage its cost estimation models.		Project and programme costs estimation is a key component of robust asset and project investment decision making.				
42	Describe how the business plans use actual costs of completed capital expenditure and operating expenditure projects and programmes, to improve future cost estimates.		Using actual project and programme costs to review estimates will help ensure that future forecasts are likely to be more accurate and drive efficiencies.				

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43	Describe how the business plans to ensure capital expenditure and operating expenditure projects and programmes are efficiently delivered and implemented, and meet applicable industry standards.						
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