FME & the ComCom Information Disclosure Schedule 9c Overhead Lines



Presenter

Shane Libeau Senior Asset Information Analyst





What is the Commerce Commission Information Disclosure Schedule 9c?

The purpose of the Commerce Commission Information Disclosure Schedule 9c is to provide detailed reporting on overhead lines and underground cables used by electricity distribution businesses (EDBs).

This schedule helps ensure transparency and allows stakeholders to assess the performance and condition of these critical infrastructure components



How Does Unison Use FME To Provide ID Reporting?

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

[Row of trees]

* Insert new rows in table above Total line as necessary

s schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units relating to cable and line assets, that are expressed in km, refer to circ gths.

Oc. Overhead Lines and Underground Cables				
9c: Overhead Lines and Underground Cables				
			Underground	Total circuit length
Circuit length by operating voltage (at year end)		Overhead (km)	(km)	(km)
>66kV		_	-	_
50kV & 66kV			_	-
33kV		429	73	50
SWER (all SWER voltages)		111	_	11
22kV (other than SWER)		_	-	-
6.6kV to 11kV (inclusive—other than SWER)		3,782	902	4,68
Low voltage (< 1kV)		1,177	2,929	4,10
Total circuit length (for supply)		5,499	3,904	9,40
Dedicated street lighting circuit length (km)		357	1,548	1,90
Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		33.	2,5 .0	36
enedic in scholare dicas (conservation dicas, in territor) etc) (kin)				30
			(% of total	
Overhead circuit length by terrain (at year end)		Circuit length (km)	overhead length)	,
Urban		1,325	24%	
Rural		1,321	24%	
Remote only		248	5%	
Rugged only		2,605	47%	
Remote and rugged		_	-	
Unallocated overhead lines		_	-	
Total overhead length		5,499	100%]
			(% of total circuit	
		Circuit length (km)	length)	
Length of circuit within 10km of coastline or geothermal areas (where known)		2,434	26%]
			/0/ -fa-a-1	
		Circuit length (km)	(% of total overhead length)	
Overhead circuit requiring vegetation management		5,499	100%	Not required after D
		Total words (double) d	Total remaining at	
		Total newly identified throughout the disclosure	high risk at the disclosure year-	
		year	end	
Number of overhead circuit sites at high risk from vegetation damage		year	-	Not required before I
Breakdown of overhead circuit sites at high risk from vegetation damage at disc	losure year-end			
Numbe	er of overhead circuit	Number of overhead circuit		
Category of overhead circuit site	at high risk from	sites involving critical assets		
category of overficad circuit site	etation damage at	at disclosure year-end		

Not required before DY2026 Not required before DY2026

Sensitive Land

Not required before DY2026

Not required before DY2026

Not required before DY2026 Not required before DY2026 Not required before DY2026

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

[Row of trees]

Total number of sites

[Span between two poles (X metres)]

* Insert new rows in table above Total line as necessary

This schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

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sch ref					
9	9c: Overhead Lines and Underground Cables				
9	Je. Overhead Lines and Onderground Casies				
10					
				Underground	Total circuit length
11	Circuit length by operating voltage (at year end)		Overhead (km)	(km)	(km)
12	>66kV		_	_	-
13	50kV & 66kV		_	_	-
14	33kV		429	73	502
15	SWER (all SWER voltages)		111	-	111
16	22kV (other than SWER)		_	_	-
17	6.6kV to 11kV (inclusive—other than SWER)		3,782	902	4,684
18	Low voltage (< 1kV)		1,177	2,929	4,106
19 20	Total circuit length (for supply)		5,499	3,904	9,403
21	Dedicated street lighting circuit length (km)		357	1,5	4 005
22	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		337	1,0	368
23	Circuit ili sensitive di eds (conservation di eds, ivi territor) etto, (ann)			•	300
				(% of total	
24	Overhead circuit length by terrain (at year end)		Circuit length (km)	overhead length)	
25	Urban		1,325	24%	
26	Rural		1,321	24%	
27	Remote only		248	5%	
28	Rugged only		2,605	47%	
29	Remote and rugged		_	-	
30	Unallocated overhead lines		-	-	
31	Total overhead length		5,499	100%	
32				(% of total circuit	
33			Circuit length (km)	(% of total circuit length)	
34	Length of circuit within 10km of coastline or geothermal areas (where	known)	2,434	26%	
35					
				(% of total	
36			Circuit length (km)	overhead length)	1
37	Overhead circuit requiring vegetation management		5,499	100%	Not required after DY2025
				Total remaining at	
			Total newly identified	high risk at the	
			throughout the disclosure	disclosure year-	
38			year	end	I
39	Number of overhead circuit sites at high risk from vegetation damage			-	Not required before DY2026
40					
41	Breakdown of overhead circuit sites at high risk from vegetation dama	ge at disclosure year-end			
		Number of overhead circuit	Number of overhead circuit		
	Category of overhead circuit site	sites at high risk from	sites involving critical assets		
42		vegetation damage at disclosure year-end	at disclosure year-end		
42 43	[Single tree]	0.00.000.0 / 0.0.	I		Net auisad hafara DV2026
					Not required before DY2026
44	[Single tree - Urban]				Not required before DY2026

Geothermal & Coastal Land

Company Name
For Year Ended
Network / Sub-network Name

Unison Networks Limited
31 March 2024

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

is schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units relating to cable and line assets, that are expressed in km, refer to circular to circular

ch ref				
9	9c: Overhead Lines and Underground Cables			
10			Underground	Total circuit length
11	Circuit length by operating voltage (at year end)	Overhead (km)	(km)	(km)
12	>66kV	_	_	-
13	50kV & 66kV	_	_	-
14	33kV	429	73	502
15	SWER (all SWER voltages)	111	-	111
16	22kV (other than SWER)	_	-	-
17	6.6kV to 11kV (inclusive—other than SWER)	3,782	902	4,684
18	Low voltage (< 1kV)	1,177	2,929	4,106
19	Total circuit length (for supply)	5,499	3,904	9,403
20			1	
21	Dedicated street lighting circuit length (km)	357	1,548	1,905
22	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			368
23			(0) -fa-a-1	
24	Overhead circuit length by terrain (at year end)	Circuit length (km)	(% of total overhead length)	
25	Urban	1,325	24%	1
26	Rural	1,321	24%	
27		248	5%	
- 1	Remote only	2,605	47%	
28	Rugged only	2,605	4/%	
29	Remote and rugged Unallocated overhead lines			
30				
31 32	Total overhead length	5,499	100%	
52			of total circuit	
33		Circuit length (km)	length)	
34	Length of circuit within 10km of coastline or geothermal areas (where known)	2,434	T	1
35				
			(% of total	
36		Circuit length (km)	overhead length)	,
37	Overhead circuit requiring vegetation management	5,499	100%	Not required after DY2025
			Total remaining at	
		Total newly identified	high risk at the	
		throughout the disclosure	disclosure year-	
38		year	end	
39	Number of overhead circuit sites at high risk from vegetation damage		-	Not required before DY2020
40				-
41	Breakdown of overhead circuit sites at high risk from vegetation damage at disclosure year	-end		
	Number of overhe	ad circuit		
	sites at high ris	from Number of overhead circuit		
	Category of overhead circuit site	cites involving critical assets		

Category of overhead circuit site	Number of overhead circuit sites at high risk from vegetation damage at disclosure year-end	Number of overhead circuit sites involving critical assets at disclosure year-end	
[Single tree]			
[Single tree - Urban]			
[Single tree - Rural]			
[Row of trees]			
[Span between two poles (X metres)]			
[Other]			
	The state of the s		

* Insert new rows in table above Total line as necessary

Not required before DY2026

Overhead Line Length By Terrain

Company Name **Unison Networks Limited** 31 March 2024 For Year Ended Network / Sub-network Name

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

This schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units relating to cable and line assets, that are expressed in km, refer to circuit

				Total decidate and
Circuit length by operating voltage (at year end)		Overhead (km)	Underground (km)	Total circuit length (km)
> 66kV		–	(к)	-
50kV & 66kV		_	_	_
33kV		429	73	502
SWER (all SWER voltages)		111	_	111
22kV (other than SWER)		_	_	_
6.6kV to 11kV (inclusive—other than SWER)		3,782	902	4,684
Low voltage (< 1kV)		1,177	2,929	4,106
Total circuit length (for supply)		5,499	3,904	9,403
Total Circuit length (for supply)		3,433	3,304	5,403
Dedicated street lighting circuit length (km)		357	1,548	1,905
Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		2,010	368
	,			
			(% of total	
Overhead circuit length by terrain (at year end)		Circuit length (km)	erhead length)	
Urban		1,325	24%	
Rural		1,321	24%	
Remote only		248	5%	
Rugged only		2,605	47%	
Remote and rugged		_	-	
Unallocated overhead lines		-	-	
Total overhead length		5,499	100%	
				•
	_		(% of total circuit	
		Circuit length (km)	length)	1
Length of circuit within 10km of coastline or geothermal areas (wh	ere known)	2,434	26%	
		Circuit length (km)	(% of total overhead length)	
Overhead significant requiring vegetation management		5,499		Not required after DV20
Overhead circuit requiring vegetation management		5,499	100%	Not required after DY20.
			Total remaining at	
		Total newly identified	high risk at the	
		throughout the disclosure	disclosure year-	
		year	end	1
Number of overhead circuit sites at high risk from vegetation dama	age		-	Not required before DY2
Breakdown of overhead circuit sites at high risk from vegetation da	mage at disclosure year and			
Secured of Overhead circuit sites at high risk from vegetation da				
	Number of overhead circuit sites at high risk from	Number of overhead circuit		
Category of overhead circuit site	vegetation damage at	sites involving critical assets		
	disclosure year-end	at disclosure year-end		

Category of overhead circuit site	Number of overhead circuit sites at high risk from vegetation damage at disclosure year-end	Number of overhead circui sites involving critical asset at disclosure year-end
ingle tree]		

	disclosure year-end		
[Single tree]			
[Single tree - Urban]			
[Single tree - Rural]			
[Row of trees]			
[Span between two poles (X metres)]			
[Other]			
Total accept on of alter			

* Insert new rows in table above Total line as necessary

Not required before DY2026

Not required before DY2026

Unison & Centralines Network Coverage



Unison & Centralines Sensitive Land











