

Company Name **Centralines Limited**
 For Year Ended **31 March 2015**

SCHEDULE 1: ANALYTICAL RATIOS

This schedule calculates expenditure, revenue and service ratios from the information disclosed. The disclosed ratios may vary for reasons that are company specific and, as a result, must be interpreted with care. The Commerce Commission will publish a summary and analysis of information disclosed in accordance with the ID determination. This will include information disclosed in accordance with this and other schedules, and information disclosed under the other requirements of the determination.

This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

7 1(i): Expenditure metrics		Expenditure per GWh energy delivered to ICPs (\$/GWh)	Expenditure per average no. of ICPs (\$/ICP)	Expenditure per MW maximum coincident system demand (\$/MW)	Expenditure per km circuit length (\$/km)	Expenditure per MVA of capacity from EDB-owned distribution transformers (\$/MVA)
8						
9	Operational expenditure	33,829	420	177,073	1,921	40,312
10	Network	15,803	196	82,717	897	18,831
11	Non-network	18,026	224	94,356	1,024	21,481
12						
13	Expenditure on assets	25,679	319	134,416	1,458	30,600
14	Network	21,233	264	111,139	1,206	25,301
15	Non-network	4,447	55	23,277	253	5,299
16						
17	1(ii): Revenue metrics					
18		Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)			
19	Total consumer line charge revenue	116,246	1,444			
20	Standard consumer line charge revenue	116,246	1,444			
21	Non-standard consumer line charge revenue	-	-			
22						
23	1(iii): Service intensity measures					
24						
25	Demand density	11		<i>Maximum coincident system demand per km of circuit length (for supply) (kW/km)</i>		
26	Volume density	57		<i>Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)</i>		
27	Connection point density	5		<i>Average number of ICPs per km of circuit length (for supply) (ICPs/km)</i>		
28	Energy intensity	12,418		<i>Total energy delivered to ICPs per average number of ICPs (kWh/ICP)</i>		
29						
30	1(iv): Composition of regulatory income					
31						
32	Operational expenditure			(\$000)	% of revenue	
33	Pass-through and recoverable costs excluding financial incentives and wash-ups			3,545	28.81%	
34	Total depreciation			2,694	21.90%	
35	Total revaluations			46	0.38%	
36	Regulatory tax allowance			585	4.75%	
37	Regulatory profit/(loss) including financial incentives and wash-ups			2,629	21.37%	
38	Total regulatory income			12,304		
39						
40	1(v): Reliability					
41						
42	Interruption rate			12.03		<i>Interruptions per 100 circuit km</i>

Company Name	Centralines Limited
For Year Ended	31 March 2015
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 lengths.

sch ref

9				
10	Circuit length by operating voltage (at year end)			Total circuit length (km)
11	> 66kV			-
12	50kV & 66kV			-
13	33kV	92	2	94
14	SWER (all SWER voltages)			-
15	22kV (other than SWER)			-
16	6.6kV to 11kV (inclusive—other than SWER)	1,380	31	1,411
17	Low voltage (< 1kV)	245	96	340
18	Total circuit length (for supply)	1,717	128	1,845
19				
20	Dedicated street lighting circuit length (km)	44	23	67
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			8
22				
23	Overhead circuit length by terrain (at year end)			Circuit length (% of total overhead length)
24	Urban	176		10%
25	Rural	1,129		66%
26	Remote only	44		3%
27	Rugged only	368		21%
28	Remote and rugged			-
29	Unallocated overhead lines			-
30	Total overhead length	1,717		100%
31				
32				Circuit length (% of total circuit length)
33	Length of circuit within 10km of coastline or geothermal areas (where known)	274		15%
34				Circuit length (% of total overhead length)
35	Overhead circuit requiring vegetation management	1,717		100%



S9c.Overhead Lines

Company Name **Centralines Limited**
 For Year Ended **31 March 2016**

SCHEDULE 1: ANALYTICAL RATIOS

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sch ref

1(i): Expenditure metrics

	Expenditure per GWh energy delivered to ICPs (\$/GWh)	Expenditure per average no. of ICPs (\$/ICP)	Expenditure per MW maximum coincident system demand (\$/MW)	Expenditure per km circuit length (\$/km)	Expenditure per MVA of capacity from EDB-owned distribution transformers (\$/MVA)
Operational expenditure	30,670	385	167,145	1,762	36,498
Network	12,345	155	67,278	709	14,691
Non-network	18,325	230	99,867	1,053	21,807
Expenditure on assets	23,214	292	126,512	1,334	27,625
Network	21,512	270	117,237	1,236	25,600
Non-network	1,702	21	9,274	98	2,025

1(ii): Revenue metrics

	Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)
Total consumer line charge revenue	121,174	1,522
Standard consumer line charge revenue	121,174	1,522
Non-standard consumer line charge revenue	-	-

1(iii): Service intensity measures

Demand density	11	Maximum coincident system demand per km of circuit length (for supply) (kW/km)
Volume density	57	Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)
Connection point density	5	Average number of ICPs per km of circuit length (for supply) (ICPs/km)
Energy intensity	12,563	Total energy delivered to ICPs per average number of ICPs (kWh/ICP)

1(iv): Composition of regulatory income

	(\$000)	% of revenue
Operational expenditure	3,262	25.02%
Pass-through and recoverable costs excluding financial incentives and wash-ups	2,861	21.95%
Total depreciation	2,741	21.03%
Total revaluations	321	2.46%
Regulatory tax allowance	886	6.80%
Regulatory profit/(loss) including financial incentives and wash-ups	3,607	27.67%
Total regulatory income	13,037	

1(v): Reliability

Interruption rate	10.37	Interruptions per 100 circuit km
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Company Name **Centralines Limited**

For Year Ended **31 March 2016**

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 lengths.

sch ref

9				
10	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)	Total circuit length (km)
11	> 66kV			-
12	50kV & 66kV			-
13	33kV	92	2	94
14	SWER (all SWER voltages)			-
15	22kV (other than SWER)			-
16	6.6kV to 11kV (inclusive—other than SWER)	1,385	31	1,416
17	Low voltage (< 1kV)	245	96	341
18	Total circuit length (for supply)	1,722	129	1,851
19				
20	Dedicated street lighting circuit length (km)	44	23	67
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			8
22				
23	Overhead circuit length by terrain (at year end)	Circuit length (km)	(% of total overhead length)	
24	Urban	177	10%	
25	Rural	1,133	66%	
26	Remote only	44	3%	
27	Rugged only	368	21%	
28	Remote and rugged		-	
29	Unallocated overhead lines		-	
30	Total overhead length	1,722	100%	
31				
32		Circuit length (km)	(% of total circuit length)	
33	Length of circuit within 10km of coastline or geothermal areas (where known)	274	15%	
34		Circuit length (km)	(% of total overhead length)	
35	Overhead circuit requiring vegetation management	1,722	100%	

Company Name **Centralines Limited**
 For Year Ended **31 March 2017**

SCHEDULE 1: ANALYTICAL RATIOS

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1(i): Expenditure metrics

	Expenditure per GWh energy delivered to ICPs (\$/GWh)	Expenditure per average no. of ICPs (\$/ICP)	Expenditure per MW maximum coincident system demand (\$/MW)	Expenditure per km circuit length (\$/km)	Expenditure per MVA of capacity from EDB-owned distribution transformers (\$/MVA)
Operational expenditure	32,333	400	188,944	1,832	37,374
Network	13,205	163	77,167	748	15,264
Non-network	19,128	237	111,778	1,084	22,110
Expenditure on assets	18,339	227	107,167	1,039	21,198
Network	16,285	202	95,167	923	18,824
Non-network	2,053	25	12,000	116	2,374

1(ii): Revenue metrics

	Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)
Total consumer line charge revenue	127,402	1,577
Standard consumer line charge revenue	127,402	1,577
Non-standard consumer line charge revenue	-	-

1(iii): Service intensity measures

Demand density	10	Maximum coincident system demand per km of circuit length (for supply) (kW/km)
Volume density	57	Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)
Connection point density	5	Average number of ICPs per km of circuit length (for supply) (ICPs/km)
Energy intensity	12,381	Total energy delivered to ICPs per average number of ICPs (kWh/ICP)

1(iv): Composition of regulatory income

	(\$000)	% of revenue
Operational expenditure	3,401	25.12%
Pass-through and recoverable costs excluding financial incentives and wash-ups	3,004	22.19%
Total depreciation	2,783	20.55%
Total revaluations	1,179	8.70%
Regulatory tax allowance	1,008	7.44%
Regulatory profit/(loss) including financial incentives and wash-ups	4,523	33.40%
Total regulatory income	13,540	

1(v): Reliability

Interruption rate	13.46	Interruptions per 100 circuit km
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81.Analytical Ratios

Company Name	Centralines Limited
For Year Ended	31 March 2017
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 lengths.

sch ref

9				
10	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)	Total circuit length (km)
11	> 66kV			-
12	50kV & 66kV			-
13	33kV	92	2	94
14	SWER (all SWER voltages)			-
15	22kV (other than SWER)			-
16	6.6kV to 11kV (inclusive—other than SWER)	1,388	32	1,420
17	Low voltage (< 1kV)	245	97	342
18	Total circuit length (for supply)	1,726	131	1,857
19				
20	Dedicated street lighting circuit length (km)	44,402,257,33	22,891,293,09	67
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			8
22				
23	Overhead circuit length by terrain (at year end)	Circuit length (km)	(% of total overhead length)	
24	Urban	177	10%	
25	Rural	1,135	66%	
26	Remote only	44	3%	
27	Rugged only	370	21%	
28	Remote and rugged		-	
29	Unallocated overhead lines		-	
30	Total overhead length	1,726	100%	
31				
32		Circuit length (km)	(% of total circuit length)	
33	Length of circuit within 10km of coastline or geothermal areas (where known)	274	15%	
34		Circuit length (km)	(% of total overhead length)	
35	Overhead circuit requiring vegetation management	1,726	100%	

Company Name **Centralines Limited**
 For Year Ended **31 March 2018**

SCHEDULE 1: ANALYTICAL RATIOS

This schedule calculates expenditure, revenue and service ratios from the information disclosed. The disclosed ratios may vary for reasons that are company specific and, as a result, must be interpreted with care. The Commerce Commission will publish a summary and analysis of information disclosed in accordance with the ID determination. This will include information disclosed in accordance with this and other schedules, and information disclosed under the other requirements of the determination.

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1(i): Expenditure metrics

	Expenditure per GWh energy delivered to ICPs (\$/GWh)	Expenditure per average no. of ICPs (\$/ICP)	Expenditure per MW maximum coincident system demand (\$/MW)	Expenditure per km circuit length (\$/km)	Expenditure per MVA of capacity from EDB-owned distribution transformers (\$/MVA)
Operational expenditure	33,955	418	178,900	1,922	38,473
Network	12,033	148	63,400	681	13,634
Non-network	21,922	270	115,500	1,241	24,839
Expenditure on assets	23,307	287	122,800	1,319	26,409
Network	17,053	210	89,850	965	19,323
Non-network	6,254	77	32,950	354	7,086

1(ii): Revenue metrics

	Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)
Total consumer line charge revenue	135,060	1,662
Standard consumer line charge revenue	135,060	1,662
Non-standard consumer line charge revenue	-	-

1(iii): Service intensity measures

Demand density	11	Maximum coincident system demand per km of circuit length (for supply) (kW/km)
Volume density	57	Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)
Connection point density	5	Average number of ICPs per km of circuit length (for supply) (ICPs/km)
Energy intensity	12,309	Total energy delivered to ICPs per average number of ICPs (kWh/ICP)

1(iv): Composition of regulatory income

	(\$000)	% of revenue
Operational expenditure	3,578	24.81%
Pass-through and recoverable costs excluding financial incentives and wash-ups	3,145	21.81%
Total depreciation	2,522	17.49%
Total revaluations	595	4.13%
Regulatory tax allowance	1,112	7.72%
Regulatory profit/(loss) including financial incentives and wash-ups	4,657	32.30%
Total regulatory income	14,419	

1(v): Reliability

Interruption rate	12.09	Interruptions per 100 circuit km
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Company Name	Centralines Limited
For Year Ended	31 March 2018
Network / Sub-network Name	

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

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9				
10	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)	Total circuit length (km)
11	> 66kV			–
12	50kV & 66kV			–
13	33kV	92	2	94
14	SWER (all SWER voltages)			–
15	22kV (other than SWER)			–
16	6.6kV to 11kV (inclusive—other than SWER)	1,390	33	1,423
17	Low voltage (< 1kV)	245	99	345
18	Total circuit length (for supply)	1,728	134	1,862
19				
20	Dedicated street lighting circuit length (km)	44	23	67
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			8
22				
23	Overhead circuit length by terrain (at year end)	Circuit length (km)	(% of total overhead length)	
24	Urban	177	10%	
25	Rural	1,137	66%	
26	Remote only	44	3%	
27	Rugged only	370	21%	
28	Remote and rugged		–	
29	Unallocated overhead lines		–	
30	Total overhead length	1,728	100%	
31				
32		Circuit length (km)	(% of total circuit length)	
33	Length of circuit within 10km of coastline or geothermal areas (where known)	274	15%	
34		Circuit length (km)	(% of total overhead length)	
35	Overhead circuit requiring vegetation management	1,728	100%	



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31 July 2019

Dane Gunnell
Manager, Price-Quality Regulation
Commerce Commission
44 The Terrace
PO Box 2351
WELLINGTON 6140

Email: regulation.branch@comcom.govt.nz

Dear Dane

AMENDMENT TO INFORMATION DISCLOSURE SCHEDULE 9C

It has been identified that the total circuit length (for supply) in Schedule 9c for the years ending 31 March 2015, 2016, 2017 and 2018 can be more accurately disclosed due to recent system and data accuracy improvements.

Please find **attached** to this cover letter the following information to meet 2.12 'Disclosure of Errors in Previously Disclosed Information' of the Electricity Distribution Information Disclosure Determination 2012:

- Completed Schedules 1 and 9c for 2015, 2016, 2017 and 2018 signed by two Directors; and
- Signed Director Certificate for completed Schedules.

The information previously provided to the Commission was not incorrect at time of disclosure. However, the rules and method for extracting asset counts, and data accuracy improvements have resulted in revised data that more precisely reflects Centralines' circuit length. The below table shows the disclosed and revised circuit length data.

	2015	2016	2017	2018
Disclosed circuit length data	1945	1902	1798	1804
Revised circuit length data	1845	1851	1857	1862

We intend to publicly disclose the information on Centralines' website:
<https://www.centralines.co.nz/tell-me-about/about-us/publications-disclosures/information-disclosure>

For any questions relating to this amendment, please contact Amanda Watson, Senior Regulatory Affairs Advisor by phone (06) 873 9372 or email Amanda.Watson@unison.co.nz.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Nathan Strong' with a stylized flourish at the end.

Nathan Strong
GENERAL MANAGER BUSINESS ASSURANCE



Certification for Year-end Disclosures

Schedule 18, Clause 2.9.2

We, Jon Edmond Nichols and Derek Neil Walker, being directors of Centralines Limited certify that, having made all reasonable enquiry, to the best of our knowledge-

the historical information used in the preparation of Schedule 9c for the years ending 31 March 2015, 2016, 2017 and 2018 has been properly extracted from the Centralines Limited's accounting and other records sourced from its financial and non-financial systems, and that sufficient appropriate records have been retained.



Director

Date: 29th July 2019



Director

Date: 29th July 2019