



**EDB Information Disclosure Requirements
Information Templates
for
Schedules 1–10**

Company Name

Centralines Limited

Disclosure Date

31 August 2018

Disclosure Year (year ended)

31 March 2018

Templates for Schedules 1–10 excluding 5f–5g
Template Version 4.1. Prepared 24 March 2015

Table of Contents

Schedule	Schedule name
1	ANALYTICAL RATIOS
2	REPORT ON RETURN ON INVESTMENT
3	REPORT ON REGULATORY PROFIT
4	REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)
5a	REPORT ON REGULATORY TAX ALLOWANCE
5b	REPORT ON RELATED PARTY TRANSACTIONS
5c	REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE
5d	REPORT ON COST ALLOCATIONS
5e	REPORT ON ASSET ALLOCATIONS
6a	REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR
6b	REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR
7	COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE
8	REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES
9a	ASSET REGISTER
9b	ASSET AGE PROFILE
9c	REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES
9d	REPORT ON EMBEDDED NETWORKS
9e	REPORT ON NETWORK DEMAND
10	REPORT ON NETWORK RELIABILITY

Disclosure Template Instructions

These templates have been prepared for use by EDBs when making disclosures under clauses 2.3.1, 2.4.21, 2.4.22, 2.5.1, and 2.5.2 of the Electricity Distribution Information Disclosure Determination 2012.

Company Name and Dates

To prepare the templates for disclosure, the supplier's company name should be entered in cell C8, the date of the 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 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 -"1 April 2013").

Data Entry Cells and Calculated Cells

Data entered into this workbook may be entered only into the data entry cells. Data entry cells are the bordered, unshaded areas (white cells) in each template. Under no circumstances should data be entered into the workbook outside a data entry cell.

In some cases, where the information for disclosure is able to be ascertained from disclosures elsewhere in the workbook, such information is disclosed in a calculated cell.

Validation Settings on Data Entry Cells

To maintain a consistency of format and to 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 2 cells G79 and I79:L79 will change colour if the total cashflows do not equal the corresponding values in table 2(ii).

Schedule 4 cells P99:P105 and P107 will change colour if the RAB values do not equal the corresponding values in table 4(ii).

Schedule 9b columns AA to AE (2013 to 2017) contain conditional formatting. The data entry cells for future years are hidden (are changed from white to yellow).

Schedule 9b cells AG10 to AG60 will change colour if the total assets at year end for each asset class does not equal the corresponding values in column I in Schedule 9a.

Schedule 9c cell G30 will change colour if G30 (overhead circuit length by terrain) does not equal G18 (overhead circuit length by operating voltage).

Inserting Additional Rows and Columns

The templates for schedules 4, 5b, 5c, 5d, 5e, 6a, 8, 9d, and 9e 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 in schedules 5c, 6a, and 9e 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 5d and 5e may require new cost or asset category rows to be inserted in allocation change tables 5d(iii) and 5e(ii). Accordingly, cell protection has been removed from rows 77 and 78 of the respective templates to allow blocks of rows to be copied. The four steps to add new cost category rows to table 5d(iii) are: Select Excel rows 69:77, copy, select Excel row 78, insert copied cells. Similarly, for table 5e(ii): Select Excel rows 70:78, copy, select Excel row 79, then insert copied cells.

The template for schedule 8 may require additional columns to be inserted between column P and U. To avoid interfering with the title block entries, these should be inserted to the left of column S. If inserting additional columns, the formulas for standard consumers total, non-standard consumers totals and total for all consumers will need to be copied into the cells of the added columns. The formulas can be found in the equivalent cells of the existing columns.

Disclosures by Sub-Network

If the supplier has sub-networks, schedules 8, 9a, 9b, 9c, 9e, and 10 must be completed for the network and for each sub-network. A copy of the schedule worksheet(s) must be made for each sub-network and named accordingly.

Schedule References

The references labelled 'sch ref' in the leftmost column of each template are consistent with the row references in the Electricity Distribution ID Determination 2012 (as issued on 24 March 2015). They provide a common reference between the rows in the determination and the template.

Description of Calculation References

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

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:

1. Coversheet
2. Schedules 5a–5e
3. Schedules 6a–6b
4. Schedule 8
5. Schedule 3
6. Schedule 4
7. Schedule 2
8. Schedule 7
9. Schedules 9a–9e
10. Schedule 10

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.

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

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	1,983	38,473
Network	12,033	148	63,400	703	13,634
Non-network	21,922	270	115,500	1,280	24,839
Expenditure on assets	23,307	287	122,800	1,361	26,409
Network	17,053	210	89,850	996	19,323
Non-network	6,254	77	32,950	365	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	58	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	12.47	Interruptions per 100 circuit km
-------------------	-------	----------------------------------

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

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

This schedule requires information on the Return on Investment (ROI) for the EDB relative to the Commerce Commission's estimates of post tax WACC and vanilla WACC. EDBs must calculate their ROI based on a monthly basis if required by clause 2.3.3 of the ID Determination or if they elect to. If an EDB makes this election, information supporting this calculation must be provided in 2(iii).

EDBs must provide explanatory comment on their ROI in Schedule 14 (Mandatory Explanatory Notes).

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

2(i): Return on Investment

ROI – comparable to a post tax WACC

Reflecting all revenue earned
 Excluding revenue earned from financial incentives
 Excluding revenue earned from financial incentives and wash-ups

Mid-point estimate of post tax WACC

25th percentile estimate
 75th percentile estimate

ROI – comparable to a vanilla WACC

Reflecting all revenue earned
 Excluding revenue earned from financial incentives
 Excluding revenue earned from financial incentives and wash-ups

WACC rate used to set regulatory price path

Mid-point estimate of vanilla WACC

25th percentile estimate
 75th percentile estimate

	CY-2 31 Mar 16 %	CY-1 31 Mar 17 %	Current Year CY 31 Mar 18 %
Reflecting all revenue earned	6.31%	8.34%	8.63%
Excluding revenue earned from financial incentives	6.31%	8.34%	8.46%
Excluding revenue earned from financial incentives and wash-ups	5.42%	7.47%	7.54%
Mid-point estimate of post tax WACC	5.37%	4.77%	5.04%
25th percentile estimate	4.66%	4.05%	4.36%
75th percentile estimate	6.09%	5.48%	5.72%
ROI – comparable to a vanilla WACC			
Reflecting all revenue earned	6.96%	8.88%	9.22%
Excluding revenue earned from financial incentives	6.96%	8.88%	9.05%
Excluding revenue earned from financial incentives and wash-ups	6.07%	8.01%	8.13%
WACC rate used to set regulatory price path	7.19%	7.19%	7.19%
Mid-point estimate of vanilla WACC	6.02%	5.31%	5.60%
25th percentile estimate	5.30%	4.59%	4.92%
75th percentile estimate	6.74%	6.03%	6.29%

2(ii): Information Supporting the ROI

(\$000)

Total opening RAB value
 plus Opening deferred tax
Opening RIV
 Line charge revenue
 Expenses cash outflow
 add Assets commissioned
 less Asset disposals
 add Tax payments
 less Other regulated income
Mid-year net cash outflows
Term credit spread differential allowance
 Total closing RAB value
 less Adjustment resulting from asset allocation
 less Lost and found assets adjustment
 plus Closing deferred tax
Closing RIV

Total opening RAB value	54,150	
plus Opening deferred tax	(2,506)	
Opening RIV		51,644
Line charge revenue		14,232
Expenses cash outflow	6,723	
add Assets commissioned	1,846	
less Asset disposals	49	
add Tax payments	878	
less Other regulated income	187	
Mid-year net cash outflows		9,211
Term credit spread differential allowance		–
Total closing RAB value	54,013	
less Adjustment resulting from asset allocation	(0)	
less Lost and found assets adjustment	(7)	
plus Closing deferred tax	(2,740)	
Closing RIV		51,280

ROI – comparable to a vanilla WACC

Leverage (%)
 Cost of debt assumption (%)
 Corporate tax rate (%)

ROI – comparable to a post tax WACC

ROI – comparable to a vanilla WACC	9.22%
Leverage (%)	44%
Cost of debt assumption (%)	4.80%
Corporate tax rate (%)	28%
ROI – comparable to a post tax WACC	8.63%

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

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

This schedule requires information on the Return on Investment (ROI) for the EDB relative to the Commerce Commission's estimates of post tax WACC and vanilla WACC. EDBs must calculate their ROI based on a monthly basis if required by clause 2.3.3 of the ID Determination or if they elect to. If an EDB makes this election, information supporting this calculation must be provided in 2(iii).

EDBs must provide explanatory comment on their ROI in Schedule 14 (Mandatory Explanatory Notes).

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

2(iii): Information Supporting the Monthly ROI

Opening RIV

N/A

	Line charge revenue	Expenses cash outflow	Assets commissioned	Asset disposals	Other regulated income	Monthly net cash outflows
April						–
May						–
June						–
July						–
August						–
September						–
October						–
November						–
December						–
January						–
February						–
March						–
Total	–	–	–	–	–	–

Tax payments

N/A

Term credit spread differential allowance

N/A

Closing RIV

N/A

Monthly ROI – comparable to a vanilla WACC

N/A

Monthly ROI – comparable to a post tax WACC

N/A

2(iv): Year-End ROI Rates for Comparison Purposes

Year-end ROI – comparable to a vanilla WACC

7.44%

Year-end ROI – comparable to a post tax WACC

6.85%

* these year-end ROI values are comparable to the ROI reported in pre 2012 disclosures by EDBs and do not represent the Commission's current view on ROI.

2(v): Financial Incentives and Wash-Ups

Net recoverable costs allowed under incremental rolling incentive scheme

–

Purchased assets – avoided transmission charge

Energy efficiency and demand incentive allowance

Quality incentive adjustment

112

Other financial incentives

Financial incentives

112

Impact of financial incentives on ROI

0.16%

Input methodology claw-back

447

Recoverable customised price-quality path costs

Catastrophic event allowance

Capex wash-up adjustment

(74)

Transmission asset wash-up adjustment

2013–2015 NPV wash-up allowance

259

Reconsideration event allowance

Other wash-ups

Wash-up costs

632

Impact of wash-up costs on ROI

0.93%

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

SCHEDULE 3: REPORT ON REGULATORY PROFIT

This schedule requires information on the calculation of regulatory profit for the EDB for the disclosure year. All EDBs must complete all sections and provide explanatory comment on their regulatory profit in Schedule 14 (Mandatory Explanatory Notes).

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	3(i): Regulatory Profit		(\$000)
8	Income		
9	Line charge revenue	14,232	
10	plus Gains / (losses) on asset disposals	13	
11	plus Other regulated income (other than gains / (losses) on asset disposals)	174	
12			
13	Total regulatory income	14,419	
14	Expenses		
15	less Operational expenditure	3,578	
16			
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	3,145	
18			
19	Operating surplus / (deficit)	7,696	
20			
21	less Total depreciation	2,522	
22			
23	plus Total revaluations	595	
24			
25	Regulatory profit / (loss) before tax	5,769	
26			
27	less Term credit spread differential allowance	–	
28			
29	less Regulatory tax allowance	1,112	
30			
31	Regulatory profit/(loss) including financial incentives and wash-ups	4,657	
32			
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups		(\$000)
34	Pass through costs		
35	Rates	48	
36	Commerce Act levies	20	
37	Industry levies	27	
38	CPP specified pass through costs		
39	Recoverable costs excluding financial incentives and wash-ups		
40	Electricity lines service charge payable to Transpower	3,050	
41	Transpower new investment contract charges		
42	System operator services		
43	Distributed generation allowance		
44	Extended reserves allowance		
45	Other recoverable costs excluding financial incentives and wash-ups		
46	Pass-through and recoverable costs excluding financial incentives and wash-ups	3,145	
47			

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

SCHEDULE 3: REPORT ON REGULATORY PROFIT

This schedule requires information on the calculation of regulatory profit for the EDB for the disclosure year. All EDBs must complete all sections and provide explanatory comment on their regulatory profit in Schedule 14 (Mandatory Explanatory Notes).

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

3(iii): Incremental Rolling Incentive Scheme

(\$000)

CY-1 CY
 31 Mar 17 31 Mar 18

Allowed controllable opex

Actual controllable opex

Incremental change in year

--

Previous years' incremental change Previous years' incremental change adjusted for inflation

CY-5 31 Mar 13

CY-4 31 Mar 14

CY-3 31 Mar 15

CY-2 31 Mar 16

CY-1 31 Mar 17

Net incremental rolling incentive scheme

—

Net recoverable costs allowed under incremental rolling incentive scheme

—

3(iv): Merger and Acquisition Expenditure

(\$000)

Merger and acquisition expenditure

--

Provide commentary on the benefits of merger and acquisition expenditure to the electricity distribution business, including required disclosures in accordance with section 2.7, in Schedule 14 (Mandatory Explanatory Notes)

3(v): Other Disclosures

(\$000)

Self-insurance allowance

--

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

SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)

This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2.

EDBs must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). 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

4(i): Regulatory Asset Base Value (Rolled Forward)		for year ended	RAB 31 Mar 14 (\$000)	RAB 31 Mar 15 (\$000)	RAB 31 Mar 16 (\$000)	RAB 31 Mar 17 (\$000)	RAB 31 Mar 18 (\$000)
	Total opening RAB value		54,464	55,054	54,680	54,427	54,150
less	Total depreciation		2,562	2,694	2,741	2,783	2,522
plus	Total revaluations		834	46	321	1,179	595
plus	Assets commissioned		2,320	2,274	2,193	1,350	1,846
less	Asset disposals		2		26	23	49
plus	Lost and found assets adjustment						(7)
plus	Adjustment resulting from asset allocation						(0)
	Total closing RAB value		55,054	54,680	54,427	54,150	54,013

4(ii): Unallocated Regulatory Asset Base

		Unallocated RAB *	RAB
		(\$000)	(\$000)
	Total opening RAB value	54,150	54,150
less	Total depreciation	2,522	2,522
plus	Total revaluations	595	595
plus	Assets commissioned (other than below)	1,846	1,846
	Assets acquired from a regulated supplier		
	Assets acquired from a related party		
	Assets commissioned	1,846	1,846
less	Asset disposals (other than below)	49	49
	Asset disposals to a regulated supplier		
	Asset disposals to a related party		
	Asset disposals	49	49
plus	Lost and found assets adjustment	(7)	(7)
plus	Adjustment resulting from asset allocation		(0)
	Total closing RAB value	54,013	54,013

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

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

SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)

This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2.

EDBs must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). 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

51

4(iii): Calculation of Revaluation Rate and Revaluation of Assets

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

CPI₄

CPI₄⁴

Revaluation rate (%)

1,011

1,000

1.10%

Unallocated RAB *

RAB

(\$000)

(\$000)

(\$000)

(\$000)

54,150

54,150

24

24

54,126

54,126

595

595

Total opening RAB value

less Opening value of fully depreciated, disposed and lost assets

Total opening RAB value subject to revaluation

Total revaluations

4(iv): Roll Forward of Works Under Construction

Unallocated works under

construction

Allocated works under construction

137

291

2,072

2,072

1,846

1,846

(154)

363

363

Works under construction—preceding disclosure year

plus Capital expenditure

less Assets commissioned

plus Adjustment resulting from asset allocation

Works under construction - current disclosure year

Highest rate of capitalised finance applied

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

SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)

This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2.

EDBs must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). 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

4(v): Regulatory Depreciation

Depreciation - standard
 Depreciation - no standard life assets
 Depreciation - modified life assets
 Depreciation - alternative depreciation in accordance with CPP
Total depreciation

Unallocated RAB *		RAB	
(\$000)	(\$000)	(\$000)	(\$000)
2,522		2,522	
	2,522		2,522

4(vi): Disclosure of Changes to Depreciation Profiles

(\$000 unless otherwise specified)

Asset or assets with changes to depreciation*	Reason for non-standard depreciation (text entry)	Depreciation charge for the period (RAB)	Closing RAB value under 'non-standard' depreciation	Closing RAB value under 'standard' depreciation

* include additional rows if needed

4(vii): Disclosure by Asset Category

(\$000 unless otherwise specified)

	Subtransmission lines	Subtransmission cables	Zone substations	Distribution and LV lines	Distribution and LV cables	Distribution substations and transformers	Distribution switchgear	Other network assets	Non-network assets	Total
Total opening RAB value	2,319	366	7,375	25,629	4,943	6,961	3,137	1,130	2,290	54,150
less Total depreciation	109	9	260	1,036	128	401	251	107	221	2,522
plus Total revaluations	23	4	79	284	54	77	34	16	24	595
plus Assets commissioned	151		41	427	189	246	133		659	1,846
less Asset disposals									49	49
plus Lost and found assets adjustment									(7)	(7)
plus Adjustment resulting from asset allocation										—
plus Asset category transfers	(203)		(230)	189	(61)		(1)	305	1	—
Total closing RAB value	2,181	361	7,005	25,493	4,997	6,883	3,052	1,344	2,697	54,013
Asset Life										
Weighted average remaining asset life	27.0	40.0	31.4	33.9	39.0	20.6	24.6	20.4	14.8	(years)
Weighted average expected total asset life	60.0	54.9	42.9	60.0	55.0	45.0	40.3	26.2	18.3	(years)

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

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes). 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

sch ref

5a(i): Regulatory Tax Allowance

(\$000)

Regulatory profit / (loss) before tax

5,769

plus	Income not included in regulatory profit / (loss) before tax but taxable		*
	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	8	*
	Amortisation of initial differences in asset values	1,255	
	Amortisation of revaluations	(62)	
		1,201	
less	Total revaluations	595	
	Income included in regulatory profit / (loss) before tax but not taxable		*
	Discretionary discounts and customer rebates	1,336	
	Expenditure or loss deductible but not in regulatory profit / (loss) before tax		*
	Notional deductible interest	1,065	
		2,997	

Regulatory taxable income

3,973

less	Utilised tax losses	
	Regulatory net taxable income	3,973

Corporate tax rate (%)

28%

Regulatory tax allowance

1,112

* Workings to be provided in Schedule 14

5a(ii): Disclosure of Permanent Differences

In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i).

5a(iii): Amortisation of Initial Difference in Asset Values

(\$000)

	Opening unamortised initial differences in asset values	16,309
less	Amortisation of initial differences in asset values	1,255
plus	Adjustment for unamortised initial differences in assets acquired	
less	Adjustment for unamortised initial differences in assets disposed	
	Closing unamortised initial differences in asset values	15,054
	Opening weighted average remaining useful life of relevant assets (years)	13

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

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes).

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

sch ref

44	5a(iv): Amortisation of Revaluations			(\$000)
45				
46	Opening sum of RAB values without revaluations	49,510		
47				
48	Adjusted depreciation	2,584		
49	Total depreciation	2,522		
50	Amortisation of revaluations		(62)	
51				
52	5a(v): Reconciliation of Tax Losses			(\$000)
53				
54	Opening tax losses			
55	plus Current period tax losses			
56	less Utilised tax losses			
57	Closing tax losses			–
58	5a(vi): Calculation of Deferred Tax Balance			(\$000)
59				
60	Opening deferred tax	(2,506)		
61				
62	plus Tax effect of adjusted depreciation	724		
63				
64	less Tax effect of tax depreciation	609		
65				
66	plus Tax effect of other temporary differences*	(8)		
67				
68	less Tax effect of amortisation of initial differences in asset values	351		
69				
70	plus Deferred tax balance relating to assets acquired in the disclosure year			
71				
72	less Deferred tax balance relating to assets disposed in the disclosure year	(10)		
73				
74	plus Deferred tax cost allocation adjustment	0		
75				
76	Closing deferred tax		(2,740)	
77				
78	5a(vii): Disclosure of Temporary Differences			
79	In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Schedule 5a(vi) (Tax effect of other temporary differences).			
80				
81	5a(viii): Regulatory Tax Asset Base Roll-Forward			(\$000)
82				
83	Opening sum of regulatory tax asset values	24,690		
84	less Tax depreciation	2,175		
85	plus Regulatory tax asset value of assets commissioned	1,846		
86	less Regulatory tax asset value of asset disposals	12		
87	plus Lost and found assets adjustment			
88	plus Adjustment resulting from asset allocation			
89	plus Other adjustments to the RAB tax value			
90	Closing sum of regulatory tax asset values		24,349	

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

SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS

This schedule provides information on the valuation of related party transactions, in accordance with section 2.3.6 and 2.3.7 of the ID 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

5b(i): Summary—Related Party Transactions

(\$000)

Total regulatory income
 Operational expenditure
 Capital expenditure
 Market value of asset disposals
 Other related party transactions

2,326

5b(ii): Entities Involved in Related Party Transactions

Name of related party

Related party relationship

Unison Networks Limited

Centralines Limited has a management contract operated by Unison Networks Limited

* include additional rows if needed

5b(iii): Related Party Transactions

Name of related party	Related party transaction type	Description of transaction	Value of transaction (\$000)	Basis for determining value
Unison Networks Limited	Opex	Purchase of materials, management and contracting services	2,326	ID clause 2.3.6(1)(a)
	[Select one]			[Select one]
	[Select one]			[Select one]
	[Select one]			[Select one]
	[Select one]			[Select one]
	[Select one]			[Select one]
	[Select one]			[Select one]
	[Select one]			[Select one]
	[Select one]			[Select one]
	[Select one]			[Select one]
	[Select one]			[Select one]
	[Select one]			[Select one]
	[Select one]			[Select one]
	[Select one]			[Select one]
	[Select one]			[Select one]
	[Select one]			[Select one]
	[Select one]			[Select one]

* include additional rows if needed

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

SCHEDULE 5c: REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE

This schedule is only to be completed 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 section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

5c(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	Cost of executing an interest rate swap	Debt issue cost readjustment
* include additional rows if needed						-	-	-	-

5c(ii): Attribution of Term Credit Spread Differential

Gross term credit spread differential

-

Total book value of interest bearing debt

Leverage

44%

Average opening and closing RAB values

Attribution Rate (%)

-

Term credit spread differential allowance

-

Company Name	Centralines Limited
--------------	---------------------

<i>For Year Ended</i>	31 March 2018
-----------------------	----------------------

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

This schedule provides information on the allocation of operational costs. EDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any reclassifications.

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

5d(i): Operating Cost Allocations		Value allocated (\$'000s)			
	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase (\$'000s)
Service interruptions and emergencies					
Directly attributable		342			
Not directly attributable				—	
Total attributable to regulated service		342			
Vegetation management					
Directly attributable		452			
Not directly attributable				—	
Total attributable to regulated service		452			
Routine and corrective maintenance and inspection					
Directly attributable		66			
Not directly attributable				—	
Total attributable to regulated service		66			
Asset replacement and renewal					
Directly attributable		408			
Not directly attributable				—	
Total attributable to regulated service		408			
System operations and network support					
Directly attributable		232			
Not directly attributable		(27)	(27)	(54)	
Total attributable to regulated service		205			
Business support					
Directly attributable		1,649			
Not directly attributable		456	587	1,043	
Total attributable to regulated service		2,105			
Operating costs directly attributable		3,149			
Operating costs not directly attributable	—	429	560	989	—
Operational expenditure		3,578			

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

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

This schedule provides information on the allocation of operational costs. EDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any reclassifications. 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

39 5d(ii): Other Cost Allocations

40 Pass through and recoverable costs

(\$000)

41 Pass through costs

42 Directly attributable

95

43 Not directly attributable

44 Total attributable to regulated service

95

45 Recoverable costs

46 Directly attributable

3,050

47 Not directly attributable

48 Total attributable to regulated service

3,050

50 5d(iii): Changes in Cost Allocations* †

52 Change in cost allocation 1

53 Cost category

54 Original allocator or line items

55 New allocator or line items

56 Rationale for change

(\$000)

CY-1 Current Year (CY)

Original allocation

New allocation

Difference

—

—

61 Change in cost allocation 2

62 Cost category

63 Original allocator or line items

64 New allocator or line items

65 Rationale for change

(\$000)

CY-1 Current Year (CY)

Original allocation

New allocation

Difference

—

—

70 Change in cost allocation 3

71 Cost category

72 Original allocator or line items

73 New allocator or line items

74 Rationale for change

(\$000)

CY-1 Current Year (CY)

Original allocation

New allocation

Difference

—

—

* 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.

† include additional rows if needed

Company Name

Centralines Limited

For Year Ended

31 March 2018

SCHEDULE 5e: 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. EDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any changes in asset allocations. 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

5e(i): Regulated Service Asset Values

	Value allocated (\$000s) Electricity distribution services
Subtransmission lines	
Directly attributable	2,181
Not directly attributable	
Total attributable to regulated service	2,181
Subtransmission cables	
Directly attributable	361
Not directly attributable	
Total attributable to regulated service	361
Zone substations	
Directly attributable	7,005
Not directly attributable	
Total attributable to regulated service	7,005
Distribution and LV lines	
Directly attributable	25,493
Not directly attributable	
Total attributable to regulated service	25,493
Distribution and LV cables	
Directly attributable	4,997
Not directly attributable	
Total attributable to regulated service	4,997
Distribution substations and transformers	
Directly attributable	6,883
Not directly attributable	
Total attributable to regulated service	6,883
Distribution switchgear	
Directly attributable	3,052
Not directly attributable	
Total attributable to regulated service	3,052
Other network assets	
Directly attributable	1,344
Not directly attributable	
Total attributable to regulated service	1,344
Non-network assets	
Directly attributable	2,697
Not directly attributable	
Total attributable to regulated service	2,697
Regulated service asset value directly attributable	54,013
Regulated service asset value not directly attributable	–
Total closing RAB value	54,013

5e(ii): Changes in Asset Allocations* †

			(\$000)	
			CY-1	Current Year (CY)
Change in asset value allocation 1				
Asset category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	–	–
Rationale for change				
Change in asset value allocation 2				
Asset category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	–	–
Rationale for change				
Change in asset value allocation 3				
Asset category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	–	–
Rationale for change				

* 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

Centralines Limited

For Year Ended

31 March 2018

SCHEDULE 6a: 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, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs.

EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates).

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	6a(i): Expenditure on Assets	(\$000)	(\$000)
8	Consumer connection		526
9	System growth		118
10	Asset replacement and renewal		749
11	Asset relocations		—
12	Reliability, safety and environment:		
13	Quality of supply	140	
14	Legislative and regulatory	18	
15	Other reliability, safety and environment	246	
16	Total reliability, safety and environment		404
17	Expenditure on network assets		1,797
18	Expenditure on non-network assets		659
19			
20	Expenditure on assets		2,456
21	plus Cost of financing		
22	less Value of capital contributions		384
23	plus Value of vested assets		
24			
25	Capital expenditure		2,072
26	6a(ii): Subcomponents of Expenditure on Assets (where known)		(\$000)
27	Energy efficiency and demand side management, reduction of energy losses		
28	Overhead to underground conversion		
29	Research and development		
30	6a(iii): Consumer Connection		
31	Consumer types defined by EDB*	(\$000)	(\$000)
32	Residential	432	
33	Commercial	35	
34	Irrigators	11	
35	Customer damage	48	
36			
37	* include additional rows if needed		
38	Consumer connection expenditure		526
39			
40	less Capital contributions funding consumer connection expenditure	384	
41	Consumer connection less capital contributions		142
42	6a(iv): System Growth and Asset Replacement and Renewal		
43		System Growth (\$000)	Asset Replacement and Renewal (\$000)
44			
45	Subtransmission		108
46	Zone substations		
47	Distribution and LV lines	16	443
48	Distribution and LV cables	55	11
49	Distribution substations and transformers	46	117
50	Distribution switchgear	1	70
51	Other network assets		
52	System growth and asset replacement and renewal expenditure	118	749
53	less Capital contributions funding system growth and asset replacement and renewal		
54	System growth and asset replacement and renewal less capital contributions	118	749
55			
56	6a(v): Asset Relocations		
57	Project or programme*	(\$000)	(\$000)
58			
59			
60			
61			
62			
63	* include additional rows if needed		
64	All other projects or programmes - asset relocations		
65	Asset relocations expenditure		—
66	less Capital contributions funding asset relocations		
67	Asset relocations less capital contributions		—

Company Name

Centralines Limited

For Year Ended

31 March 2018

SCHEDULE 6a: 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, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs.

EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates).

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

6a(vi): Quality of Supply

Project or programme*

Reconductor - Claireinch Rd
Replaced ABS 453 with RCS
Installed new sectionaliser Wilder Rd
Installed new RCS SH50 Ashley Clinton

(\$000)

(\$000)

17
40
44
39

* include additional rows if needed

All other projects or programmes - quality of supply

Quality of supply expenditure

less Capital contributions funding quality of supply

Quality of supply less capital contributions

140

140

6a(vii): Legislative and Regulatory

Project or programme*

Repace 11kV pole to raise road crossing height - SH2 Waipawa
Repace LV pole to raise road crossing height - Whenuahau Rd
Repace LV pole to raise road crossing height - Owen St
Repace LV pole to raise road crossing height - Owen St
Repace LV pole to raise road crossing height - Consitt St

(\$000)

(\$000)

5
3
3
4
3

* include additional rows if needed

All other projects or programmes - legislative and regulatory

Legislative and regulatory expenditure

less Capital contributions funding legislative and regulatory

Legislative and regulatory less capital contributions

18

18

6a(viii): Other Reliability, Safety and Environment

Project or programme*

Replace new Ion meter at Waipawa GXP
Replaced 2 pole TX structure with GM TX - Waverlay St
Install temperature Mgt. TX at Waipukurau GXP
11 kV diversion - Porangahau Bridge

(\$000)

(\$000)

41
90
33
82

* include additional rows if needed

All other projects or programmes - other reliability, safety and environment

Other reliability, safety and environment expenditure

less Capital contributions funding other reliability, safety and environment

Other reliability, safety and environment less capital contributions

246

246

6a(ix): Non-Network Assets**Routine expenditure**

Project or programme*

Buildings
Land
Motor Vehicles
Plant & Equipment
Office Equipment

(\$000)

(\$000)

109
292
141
86
31

* include additional rows if needed

All other projects or programmes - routine expenditure

Routine expenditure

659

Atypical expenditure

Project or programme*

(\$000)

(\$000)

* include additional rows if needed

All other projects or programmes - atypical expenditure

Atypical expenditure

-

Expenditure on non-network assets

659

Company Name

Centralines Limited

For Year Ended

31 March 2018

SCHEDULE 6b: REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR

This schedule requires a breakdown of operational expenditure incurred in the disclosure year.

EDBs must provide explanatory comment on their operational expenditure in Schedule 14 (Explanatory notes to templates). This includes explanatory comment on any atypical operational expenditure and assets replaced or renewed as part of asset replacement and renewal operational expenditure, and additional information on insurance.

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

		(\$000)	(\$000)
7	6b(i): Operational Expenditure		
8	Service interruptions and emergencies	342	
9	Vegetation management	452	
10	Routine and corrective maintenance and inspection	66	
11	Asset replacement and renewal	408	
12	Network opex		1,268
13	System operations and network support	205	
14	Business support	2,105	
15	Non-network opex		2,310
16			
17	Operational expenditure		3,578
18	6b(ii): Subcomponents of Operational Expenditure (where known)		
19	Energy efficiency and demand side management, reduction of energy losses		
20	Direct billing*		
21	Research and development		
22	Insurance		122
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

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

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.

EDBs must provide explanatory comment on the variance between actual and target revenue and forecast expenditure in Schedule 14 (Mandatory Explanatory Notes). This information is part of the 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. For the purpose of this audit, target revenue and forecast expenditures only need to be verified back to previous disclosures

sch ref

7	7(i): Revenue	Target (\$000) ¹	Actual (\$000)	% variance
8	Line charge revenue	13,922	14,232	2%
9	7(ii): Expenditure on Assets	Forecast (\$000) ²	Actual (\$000)	% variance
10	Consumer connection	300	526	75%
11	System growth	40	118	195%
12	Asset replacement and renewal	950	749	(21%)
13	Asset relocations	50	—	(100%)
14	Reliability, safety and environment:			
15	Quality of supply	455	140	(69%)
16	Legislative and regulatory	100	18	(82%)
17	Other reliability, safety and environment	365	246	(33%)
18	Total reliability, safety and environment	920	404	(56%)
19	Expenditure on network assets	2,260	1,797	(20%)
20	Expenditure on non-network assets	1,088	659	(39%)
21	Expenditure on assets	3,348	2,456	(27%)
22	7(iii): Operational Expenditure			
23	Service interruptions and emergencies	264	342	30%
24	Vegetation management	473	452	(4%)
25	Routine and corrective maintenance and inspection	193	66	(66%)
26	Asset replacement and renewal	476	408	(14%)
27	Network opex	1,406	1,268	(10%)
28	System operations and network support	238	205	(14%)
29	Business support	1,918	2,105	10%
30	Non-network opex	2,156	2,310	7%
31	Operational expenditure	3,562	3,578	0%
32	7(iv): Subcomponents of Expenditure on Assets (where known)			
33	Energy efficiency and demand side management, reduction of energy losses	—	—	—
34	Overhead to underground conversion	—	—	—
35	Research and development	—	—	—
36				
37	7(v): Subcomponents of Operational Expenditure (where known)			
38	Energy efficiency and demand side management, reduction of energy losses	—	—	—
39	Direct billing	—	—	—
40	Research and development	—	—	—
41	Insurance	—	122	—
42				
43	<i>1 From the nominal dollar target revenue for the disclosure year disclosed under clause 2.4.3(3) of this determination</i>			
44	<i>2 From the CY+1 nominal dollar expenditure forecasts disclosed in accordance with clause 2.6.6 for the forecast period starting at the beginning of the disclosure year (the second to last disclosure of Schedules 11a and 11b)</i>			

Company Name
For Year Ended
Network / Sub-Network Name

Centralines Limited
31 March 2018

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

This schedule requires the billed quantities and associated line charge revenues for each price category code used by the EDB in its pricing schedules. Information is also required on the number of ICPIs that are included in each consumer group or price category code, and the energy delivered to these ICPIs.

8(i): Billed Quantities by Price Component

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Average no. of ICPIs in disclosure year	Energy delivered to ICPIs in disclosure year (MWh)
CH1	Residential	Standard	2,638	13,462
CH2	Residential	Standard	5	45
CH3	Residential	Standard	26	146
CH4	Residential	Standard	5,408	26,400
CH5	Residential	Standard	16	109
CH6	General	Standard	6	64
CH7	General	Standard	123	6,596
CH8	General	Standard	1,671	3,729
CH9	Industrial	Standard	76	6,460
CH10	Commercial	Standard	73	5,799
CH11	Commercial	Standard	75	5,744
CH12	Commercial	Standard	6	6,760
CH13	Commercial	Standard	2	834
CH14	Commercial	Standard	1	746
CH15	Commercial	Standard	1	6,176
CH16	Commercial	Standard	1	22,128
CH17	Commercial	Standard	1	1
CH18	Commercial	Standard	148	1,616
CH19	Commercial	Standard	8	537
Total for all consumers				105,875

Add extra rows for additional consumer groups or price category codes as necessary

Standard consumer totals	6,561	105,875
Non-standard consumer totals	-	-
Total for all consumers	6,561	105,875

Price component

Unit charging basis (eg, kW, MW of demand, kVA of capacity, etc.)

Billed quantities by price component

24/7	AKO	CTRL	CTUD	NITE	PROJ	CPK	ONPK	TAC	DMND	KVAR	SCPD	WOPD	FIXED	DGEN	UNMT	
kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	Demand - kW	kVar	Demand - kW	Demand - kW	Daily	Free	kWh	
4,125,030	6,134,207	556,363	318,117	149,156	5,134										954,901	69,678
19,687	1,875														1,617	10,755
		2,125								95,840	45,485				10,730	
10,790,239	13,618,385	1,083,045	587,044	311,536	19,859										1,237,107	87,849
63,876	46,558														5,540	46,288
		487								41,658	19,371					
8,173,739	170,369	100,252	878,464	324,835	189,532										189,104	
3,608,863	35,415	65,522	27,893	5,086											887,143	
2,180,777	275	2,053,476	876,416												22,135	
3,481,779		27,685	900,508	368,076												
3,106,031		1,124,511	314,811													
										671,131	1,094	489			1,915	
										1,008,381	5,414	827			5,129	
										6,760,676	16,736	2,061			13,818	
										834,173	4,837	515			4,256	
										716,144	2,186	18			165	
										6,175,907	16,736	108			13,608	
743										22,128,003	47,693	14,137			47,678	
															805	
															373,700	
																318,416
															537,169	

Add extra columns for additional billed quantities by price component as necessary

34,393,304	21,830,705	1,777,739	6,005,420	3,103,517	220,284	137,507	62,806	37,093,513	90,484	18,677	86,493	2,140	1,320,703	217,881	850,678	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34,393,304	21,830,705	1,777,739	6,005,420	3,103,517	220,284	137,507	62,806	37,093,513	90,484	18,677	86,493	2,140	1,320,703	217,881	850,678	-

Company Name
For Year Ended
Network / Sub-Network Name

Centralines Limited
31 March 2018

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

This schedule requires the billed quantities and associated line charge revenues for each price category code used by the EDB in its pricing schedules. Information is also required on the number of ICPs that are included in each consumer group or price category code, and the energy delivered to these ICPs.

8(ii): Line Charge Revenues (\$000) by Price Component

Line charge revenues (\$000) by price component																									Add extra columns for additional line charge revenues by price component as necessary
Price component																									
Consumer group name or price category code	Consumer type or types (eg, residential, commercial, etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	National revenue foregone from posted discounts (if applicable)	Total distribution line charge revenue	Total transmission line charge revenue (if available)	Rate (eg, 5 per day, 5 per kWh, etc.)	24UC	AICO	CTRL	CTUD	NITE	PROJ	OPFK	ONPK	TAIC	DMND	KVAR	SOPD	WOPD	FIXED	DOEN	UNMT		
CHS	Residential	Standard	\$2,500		\$2,500			\$825	\$1,376	\$67	\$78	\$11	\$1	--	--	--	--	--	--	--	--	\$145	--	--	
CHS15	Residential	Standard	63		63			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
CHS17	Residential	Standard	\$27		\$27			--	--	--	--	--	64	\$11	\$13	--	--	--	--	--	--	--	--	--	
CHS18	Residential	Standard	\$4,902		\$4,902			\$1,490	\$1,498	\$76	\$117	\$17	\$3	--	--	--	--	--	--	--	--	--	--	--	
CHS19	Residential	Standard	236		236			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
CHS17	Residential	Standard	510		510			--	--	--	--	--	--	62	--	64	--	--	--	--	--	--	--	--	
CHS19	General	Standard	\$1,516		\$1,516			\$1,066	\$48	\$8	\$145	\$17	\$24	--	--	--	--	--	--	--	--	--	--	--	
CHS15	General	Standard	\$1,133		\$1,133			\$389	--	\$2	\$9	\$1	\$1	--	--	--	--	--	--	--	--	--	--	--	
CHS17	Logistics	Standard	\$736		\$736			\$290	--	--	\$309	\$84	--	--	--	--	--	--	--	--	--	--	--	--	
CHS18	Commercial	Standard	\$807		\$807			\$471	--	\$2	\$147	\$18	--	--	--	--	--	\$14	\$4	\$20	--	--	--	--	
CHS19	Commercial	Standard	\$639		\$639			\$174	--	--	\$110	\$11	--	--	--	--	--	\$17	\$7	\$54	--	--	--	--	
CHS1	Commercial	Standard	\$362		\$362			--	--	--	--	--	--	--	--	--	--	\$88	\$14	\$146	--	--	--	--	
CHS1	Commercial	Standard	\$114		\$114			--	--	--	--	--	--	--	--	--	--	\$21	\$4	\$45	--	--	--	--	
CHS1	Commercial	Standard	\$40		\$40			--	--	--	--	--	--	--	--	--	--	\$9	--	\$45	\$22	--	--	--	
CHS13	Commercial	Standard	\$242		\$242			--	--	--	--	--	--	--	--	--	--	\$82	\$4	\$143	--	--	--	--	
CHS17	Commercial	Standard	\$997		\$997			--	--	--	--	--	--	--	--	--	--	\$296	\$110	\$350	--	--	--	--	
CHS1	Commercial	Standard	\$2		\$2			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
CHS1	Commercial	Standard	\$44		\$44			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
CHS1	Commercial	Standard	\$92		\$92			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Add extra rows for additional consumer groups or price category codes as necessary																									
Standard consumer totals			\$14,232	--	\$14,232	--		\$4,594	\$2,870	\$153	\$906	\$118	\$30	\$11	\$17	--	\$417	\$145	\$908	\$22	\$3,021	--	\$118	--	
Non-standard consumer totals			--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Total for all consumers			\$14,232	--	\$14,232	--		\$4,594	\$2,870	\$153	\$906	\$118	\$30	\$11	\$17	--	\$417	\$145	\$908	\$22	\$3,021	--	\$118	--	
8(iii): Number of ICPs directly billed																									
Number of directly billed ICPs at year end																									

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

Network / Sub-network Name

SCHEDULE 9a: ASSET REGISTER

This schedule requires a summary of the quantity of assets that make up the network, by asset category and asset class. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref

					Items at start of	Items at end of	Net change	Data accuracy
	Voltage	Asset category	Asset class	Units	year (quantity)	year (quantity)		(1-4)
8	All	Overhead Line	Concrete poles / steel structure	No.	19,520	19,579	59	2
9	All	Overhead Line	Wood poles	No.	218	181	(37)	2
10	All	Overhead Line	Other pole types	No.	—	—	—	N/A
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	94	94	—	3
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	—	—	—	N/A
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	2	2	—	3
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	—	—	—	N/A
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	—	—	—	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	—	—	—	N/A
17	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	—	—	—	N/A
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	—	—	—	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	—	—	—	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	—	—	—	N/A
21	HV	Subtransmission Cable	Subtransmission submarine cable	km	—	—	—	N/A
22	HV	Zone substation Buildings	Zone substations up to 66kV	No.	3	3	—	4
23	HV	Zone substation Buildings	Zone substations 110kV+	No.	—	—	—	N/A
24	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	—	—	—	N/A
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	—	—	—	N/A
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	—	—	—	N/A
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	16	16	—	3
28	HV	Zone substation switchgear	33kV RMU	No.	—	—	—	N/A
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	—	—	—	N/A
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	9	11	2	3
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	26	27	1	3
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	—	2	2	3
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	7	7	—	4
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1,394	1,395	1	3
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	—	—	—	N/A
36	HV	Distribution Line	SWER conductor	km	—	—	—	N/A
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	32	33	1	3
38	HV	Distribution Cable	Distribution UG PILC	km	3	3	(0)	3
39	HV	Distribution Cable	Distribution Submarine Cable	km	—	—	—	N/A
40	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	79	80	1	3
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	—	—	—	N/A
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	3,224	3,245	21	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	7	7	—	2
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	16	16	—	3
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	2,137	2,143	6	3
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	167	172	5	3
47	HV	Distribution Transformer	Voltage regulators	No.	9	4	(5)	4
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	9	12	3	1
49	LV	LV Line	LV OH Conductor	km	203	202	(1)	3
50	LV	LV Cable	LV UG Cable	km	70	76	6	3
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	66	66	1	3
52	LV	Connections	OH/UG consumer service connections	No.	8,188	8,247	59	3
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	60	60	—	2
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1	1	—	3
55	All	Capacitor Banks	Capacitors including controls	No.	2	2	—	4
56	All	Load Control	Centralised plant	Lot	1	1	—	4
57	All	Load Control	Relays	No.	8	7	(1)	1
58	All	Civils	Cable Tunnels	km	—	—	—	N/A

Company Name
For Year Ended
Network / Sub-network Name

SCHEDULE 9b: ASSET AGE PROFILE

This schedule requires a summary of the age profile (based on year of installation) of the assets that make up the network, by asset category and asset class. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

8	ref	Disclosure Year (year ended)	31 March 2018	Number of assets at disclosure year end by installation date																											No. with age unknown	end of year (quantity)	No. with default dates	Data accuracy (1-4)
9	Voltage	Asset category	Asset class	Units	pre-1940	1940-1949	1950-1959	1960-1969	1970-1979	1980-1989	1990-1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018				
10	All	Overhead Line	Concrete poles / steel structure	No.	27	2,060	3,676	2,596	1,988	2,573	2,375	231	157	138	240	161	198	152	252	422	383	447	441	126	184	233	178	144	89	108		19,579	2	
11	All	Overhead Line	Wood poles	No.	11	41	37	8	12	33	11	2			2	1	1			1	5	3	4	1	4			1	3			181	2	
12	All	Overhead Line	Other pole types	No.																													—	3
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km						93													1									94	3	
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km																													N/A	
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km											0		0				0	1			0						2		3	
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km																												—	N/A	
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km																												—	N/A	
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km																												—	N/A	
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km																												—	N/A	
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km																												—	N/A	
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km																												—	N/A	
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km																												—	N/A	
23	HV	Subtransmission Cable	Subtransmission submarine cable	km																												—	N/A	
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.				1		2																						3	4	
25	HV	Zone substation Buildings	Zone substations 110kV+	No.																												—	N/A	
26	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.																												—	N/A	
27	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.																												—	N/A	
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.																												—	N/A	
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.					2									5				1	6			2						16	3	
30	HV	Zone substation switchgear	33kV RMU	No.																												—	N/A	
31	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.																												—	N/A	
32	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.							1										2	4	1			3						11	3	
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.					18																							27	3	
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.																							1					2	3	
35	HV	Zone Substation Transformer	Zone Substation Transformers	No.			2	2		1											2											7	4	
36	HV	Distribution Line	Distribution OH Open Wire Conductor	km			15	5	1,220	10	1	2	1	1	1	1	2	2	5	10	30	14	35	7	8	5	9	5	3	2		1,395	3	
37	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km																												—	N/A	
38	HV	Distribution Line	SWER conductor	km																												—	N/A	
39	HV	Distribution Cable	Distribution UG XLPE or PVC	km			0	1	10	2	0	0	1	1	1	1	1	1	2	1	4	1	0	1	1	1	1	1	1	1		33	3	
40	HV	Distribution Cable	Distribution UG PILC	km					1	1											0	0										3	3	
41	HV	Distribution Cable	Distribution Submarine Cable	km																												—	N/A	
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.			9			14			4	5	3	12	5	5	3		2		3	6	4		2	1	2			89	3	
43	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.																												—	N/A	
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.		1	1	39	48	63	380	45	80	52	162	197	185	257	218	187	201	94	227	187	107	117	139	81	78	59	40	3,245	3	
45	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.																3	1	3										7	2	
46	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.							4						1	1		1	2	3	3		3						16	3		
47	HV	Distribution Transformer	Pole Mounted Transformer	No.			1	5	42	359	471	425	292	36	22	45	43	51	15	15	27	50	21	18	38	19	18	27	23	30	30	20	2,143	3
48	HV	Distribution Transformer	Ground Mounted Transformer	No.					5	15	3	28	1	2	7	12	5	8	4	11	12	8	7	9	1	2	4	2	7	3	4		172	3
49	HV	Distribution Transformer	Voltage regulators	No.							1												1				2						7	4
50	HV	Distribution Substations	Ground Mounted Substation Housing	No.			1	5		3						1										1	1					12	1	
51	LV	LV Line	LV OH Conductor	km							0	195	0					0		1	1	1	1	0	1	0	2	1	0	0	0	202	3	
52	LV	LV Cable	LV UG Cable	km							1	3	33	10	2	1	1	1	0	2	1	4	2	3	1	0	1	2	1	1	2		76	3
53	LV	LV Street lighting	LV OH/UG Streetlight circuit	km			0	1	51	6	1					1		2	0	1	1	1	0	1	0	0	1	0	0	0		66	3	
54	LV	Connectors	OH/UG consumer service connections	No.																												8,247	3	
55	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.					60				6,564	93	69	103	95	126	126	169	134	111	80	72	59	150	50	56	52	62	81		60	2
56	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot																							1						1	3
57	All	Capacitor Banks	Capacitors including controls	No.															1					1								2	4	
58	All	Load Control	Centralised plant	Lot						1																							1	4
59	All	Load Control	Relays	No.						7																							7	1
60	All	Civils	Cable Tunnels	km																												—	N/A	

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

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)
11	> 66kV		
12	50kV & 66kV		
13	33kV	94	2
14	SWER (all SWER voltages)		
15	22kV (other than SWER)		
16	6.6kV to 11kV (inclusive—other than SWER)	1,395	35
17	Low voltage (< 1kV)	202	76
18	Total circuit length (for supply)	1,691	113
19			
20	Dedicated street lighting circuit length (km)	44	22
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		7
22			
23	Overhead circuit length by terrain (at year end)	Circuit length (km)	(% of total overhead length)
24	Urban	140	8%
25	Rural	1,135	67%
26	Remote only	44	3%
27	Rugged only	370	22%
28	Remote and rugged		—
29	Unallocated overhead lines	2	0%
30	Total overhead length	1,691	100%
31			
32		Circuit length (km)	(% of total circuit length)
33	Length of circuit within 10km of coastline or geothermal areas (where known)	267	15%
34		Circuit length (km)	(% of total overhead length)
35	Overhead circuit requiring vegetation management	1,692	100%

Company Name	Centralines Limited
For Year Ended	31 March 2018

SCHEDULE 9d: REPORT ON EMBEDDED NETWORKS

This schedule requires information concerning embedded networks owned by an EDB that are embedded in another EDB's network or in another embedded network.

sch ref

	Location *	Number of ICPs served	Line charge revenue (\$000)
8			
9	Nil		
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26	* Extend embedded distribution networks table as necessary to disclose each embedded network owned by the EDB which is embedded in another EDB's network or in another embedded network		

Company Name

Centralines Limited

For Year Ended

31 March 2018

Network / Sub-network Name

SCHEDULE 9e: REPORT ON NETWORK DEMAND

This schedule requires a summary of the key measures of network utilisation for the disclosure year (number of new connections including distributed generation, peak demand and electricity volumes conveyed).

sch ref

9e(i): Consumer Connections

Number of ICPs connected in year by consumer type

Consumer types defined by EDB*

Residential
General
Commercial

* include additional rows if needed

Connections total

Number of
connections (ICPs)

69
9
9

87

Distributed generation

Number of connections made in year

Capacity of distributed generation installed in year

14	connections
0.05	MVA

9e(ii): System Demand**Maximum coincident system demand**

GXP demand

plus Distributed generation output at HV and above

Maximum coincident system demand

less Net transfers to (from) other EDBs at HV and above

Demand on system for supply to consumers' connection points

Demand at time
of maximum
coincident
demand (MW)

20
—
20
20

Electricity volumes carried

Electricity supplied from GXPs

less Electricity exports to GXPs

plus Electricity supplied from distributed generation

less Net electricity supplied to (from) other EDBs

Electricity entering system for supply to consumers' connection points

less Total energy delivered to ICPs

Electricity losses (loss ratio)

Energy (GWh)

115
—
0
—
115
105
10

8.5%

Load factor

0.66

9e(iii): Transformer Capacity

Distribution transformer capacity (EDB owned)

Distribution transformer capacity (Non-EDB owned, estimated)

Total distribution transformer capacity

Zone substation transformer capacity

(MVA)

93
9
102
47

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

Network / Sub-network Name

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

This schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) for the disclosure year. EDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI 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

10(i): Interruptions**Interruptions by class**

Class A (planned interruptions by Transpower)
 Class B (planned interruptions on the network)
 Class C (unplanned interruptions on the network)
 Class D (unplanned interruptions by Transpower)
 Class E (unplanned interruptions of EDB owned generation)
 Class F (unplanned interruptions of generation owned by others)
 Class G (unplanned interruptions caused by another disclosing entity)
 Class H (planned interruptions caused by another disclosing entity)
 Class I (interruptions caused by parties not included above)

Total**Number of interruptions**

-
96
127
1
-
-
-
-
1
225

Interruption restoration

Class C interruptions restored within

≤3Hrs**>3hrs**

99	28
----	----

SAIFI and SAIDI by class

Class A (planned interruptions by Transpower)
 Class B (planned interruptions on the network)
 Class C (unplanned interruptions on the network)
 Class D (unplanned interruptions by Transpower)
 Class E (unplanned interruptions of EDB owned generation)
 Class F (unplanned interruptions of generation owned by others)
 Class G (unplanned interruptions caused by another disclosing entity)
 Class H (planned interruptions caused by another disclosing entity)
 Class I (interruptions caused by parties not included above)

Total**SAIFI****SAIDI**

-	-
0.36	77.0
2.05	112.3
0.97	15.9
-	-
-	-
-	-
-	-
0.02	3.5
3.40	208.7

Normalised SAIFI and SAIDI

Classes B & C (interruptions on the network)

Normalised SAIFI**Normalised SAIDI**

2.23	131.7
------	-------

Quality path normalised reliability limit

SAIFI and SAIDI limits applicable to disclosure year*

* not applicable to exempt EDBs

SAIFI reliability limit**SAIDI reliability limit**

4.20	139.3
------	-------

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

Network / Sub-network Name

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

This schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) for the disclosure year. EDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI 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.

10(ii): Class C Interruptions and Duration by Cause**Cause**

Lightning
Vegetation
Adverse weather
Adverse environment
Third party interference
Wildlife
Human error
Defective equipment
Cause unknown

SAIFI**SAIDI**

0.01	0.5
0.48	40.1
0.14	14.2
0.00	0.0
0.18	13.0
0.19	4.8
-	-
0.19	13.0
0.86	26.8

10(iii): Class B Interruptions and Duration by Main Equipment Involved**Main equipment involved**

Subtransmission lines
Subtransmission cables
Subtransmission other
Distribution lines (excluding LV)
Distribution cables (excluding LV)
Distribution other (excluding LV)

SAIFI**SAIDI**

-	-
-	-
-	-
0.36	77.0
-	-
-	-

10(iv): Class C Interruptions and Duration by Main Equipment Involved**Main equipment involved**

Subtransmission lines
Subtransmission cables
Subtransmission other
Distribution lines (excluding LV)
Distribution cables (excluding LV)
Distribution other (excluding LV)

SAIFI**SAIDI**

0.09	4.4
-	-
-	-
1.96	107.4
0.00	0.5
-	-

10(v): Fault Rate**Main equipment involved**

Subtransmission lines
Subtransmission cables
Subtransmission other
Distribution lines (excluding LV)
Distribution cables (excluding LV)
Distribution other (excluding LV)

Number of Faults**Circuit length (km)****Fault rate (faults per 100km)**

1	94
-	2
-	-
221	1,395
2	35
1	-
225	-

1.06
-
15.85
5.64

Total**225**

Company Name	Centralines Limited
For Year Ended	31 March 2018

Schedule 14 Mandatory Explanatory Notes

1. This schedule requires EDBs to provide explanatory notes to information provided in accordance with clauses 2.3.1, 2.4.21, 2.4.22, and subclauses 2.5.1(1)(f), and 2.5.2(1)(e).
2. This schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.7.1. Information provided in boxes 1 to 12 of this schedule is part of the audited disclosure information, and so is subject to the assurance requirements specified in section 2.8.
3. Schedule 15 (Voluntary Explanatory Notes to Schedules) provides for EDBs to give additional explanation of disclosed information should they elect to do so.

Return on Investment (Schedule 2)

4. In the box below, comment on return on investment as disclosed in Schedule 2. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

Box 1: Explanatory comment on return on investment
There have been no reclassified items.

Regulatory Profit (Schedule 3)

5. In the box below, comment on regulatory profit for the disclosure year as disclosed in Schedule 3. This comment must include-
 - 5.1 a description of material items included in other regulated income (other than gains / (losses) on asset disposals), as disclosed in 3(i) of Schedule 3
 - 5.2 information on reclassified items in accordance with subclause 2.7.1(2).

Box 2: Explanatory comment on regulatory profit
Other regulatory line income includes the line loss rebate, sale of scrap copper and invoicing charges.

There have been no reclassified items.

Merger and acquisition expenses (3(iv) of Schedule 3)

6. If the EDB incurred merger and acquisitions expenditure during the disclosure year, provide the following information in the box below-

- 6.1 information on reclassified items in accordance with subclause 2.7.1(2)
- 6.2 any other commentary on the benefits of the merger and acquisition expenditure to the EDB.

Box 3: Explanatory comment on merger and acquisition expenditure

There has been no merger and acquisition expenditure.

Value of the Regulatory Asset Base (Schedule 4)

- 7. In the box below, comment on the value of the regulatory asset base (rolled forward) in Schedule 4. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

Box 4: Explanatory comment on the value of the regulatory asset based (rolled forward)

The value of the regulatory asset base has been determined by rolling forward the initial regulatory asset base with allowance made for additions, disposals, depreciation and revaluation in accordance with the Electricity Distribution Services Input Methodologies Determination 2012.

Reclassification of Assets: There were minor reclassification of assets to align all asset classes to one category. Subtransmission lines, Zone substations and Distribution, LV Lines and Non network assets had minor reclassifications.

Regulatory tax allowance: disclosure of permanent differences (5a(i) of Schedule 5a)

- 8. In the box below, provide descriptions and workings of the material items recorded in the following asterisked categories of 5a(i) of Schedule 5a-
 - 8.1 Income not included in regulatory profit / (loss) before tax but taxable;
 - 8.2 Expenditure or loss in regulatory profit / (loss) before tax but not deductible;
 - 8.3 Income included in regulatory profit / (loss) before tax but not taxable;
 - 8.4 Expenditure or loss deductible but not in regulatory profit / (loss) before tax.

Box 5: Regulatory tax allowance: permanent differences

Entertainment expenditure – non-deductible 8

Regulatory tax allowance: disclosure of temporary differences (5a(vi) of Schedule 5a)

- 9. In the box below, provide descriptions and workings of material items recorded in the asterisked category 'Tax effect of other temporary differences' in 5a(vi) of Schedule 5a.

Box 6: Tax effect of other temporary differences (current disclosure year)

Temporary differences are those used in Centralines annual tax return

Other temporary differences:

Provision for Employee Entitlements	-8
-------------------------------------	----

Related party transactions: disclosure of related party transactions (Schedule 5b)

10. In the box below, provide descriptions of related party transactions beyond those disclosed on Schedule 5b including identification and descriptions as to the nature of directly attributable costs disclosed under subclause 2.3.6(1)(b).

Box 7: Related party transactions

Centralines procures Management Services from Unison Networks Limited (Unison). This transaction is deemed a related party transaction because of the material influence that Unison has over Centralines operations, however, the contract for services is negotiated by the Centralines Board, which is wholly independent of Unison. The costs of Unison's services are recorded at the contract price. All of the management costs are operating expenditure.

Contracting services in asset construction and maintenance were provided by Unison. Unit price and quantities have not been determined. No debts have been written off or forgiven during the financial year. No transactions took place at nil or nominal value during the financial year. All of this work is put out to tender. The contracts are completed as an arms-length transaction.

Centralines procures materials from Unison. Unison initially purchases the materials from an external party. When Centralines purchases the materials from Unison, they often benefit from any resulting supplier discount due to Unison's greater purchasing power. Centralines purchases the materials from Unison at cost plus a small handling charge.

All transactions between Centralines and Unison Networks Limited are at arms-length.

Cost allocation (Schedule 5d)

11. In the box below, comment on cost allocation as disclosed in Schedule 5d. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

Box 8: Cost allocation

Costs are allocated by applying ACAM. Expenses classified as not directly attributable are those which have been allocated to electricity and non-electricity activities.

Asset allocation (Schedule 5e)

12. In the box below, comment on asset allocation as disclosed in Schedule 5e. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

Box 9: Commentary on asset allocation

There have been no reclassified items.

Capital Expenditure for the Disclosure Year (Schedule 6a)

13. In the box below, comment on expenditure on assets for the disclosure year, as disclosed in Schedule 6a. This comment must include-
- 13.1 a description of the materiality threshold applied to identify material projects and programmes described in Schedule 6a;
- 13.2 information on reclassified items in accordance with subclause 2.7.1(2),

Box 10: Explanation of capital expenditure for the disclosure year

Network CAPEX figures for the categories of System Growth and Asset Replacement and Renewal, Asset Relocations, Quality of Supply, Legislative and Regulatory, and Other Reliability, Safety and Environment have been disaggregated into sub-categories, projects or programmes.

Material projects (>\$50K) – Land & Buildings – \$292K Land, \$106K Strengthening Waipukurau Substation building.

There have been no reclassified items.

Operational Expenditure for the Disclosure Year (Schedule 6b)

14. In the box below, comment on operational expenditure for the disclosure year, as disclosed in Schedule 6b. This comment must include-
- 14.1 Commentary on assets replaced or renewed with asset replacement and renewal operational expenditure, as reported in 6b(i) of Schedule 6b;
- 14.2 Information on reclassified items in accordance with subclause 2.7.1(2);
- 14.3 Commentary on any material atypical expenditure included in operational expenditure disclosed in Schedule 6b, including the value of the expenditure the purpose of the expenditure, and the operational expenditure categories the expenditure relates to.

Box 11: Explanation of operational expenditure for the disclosure year

Assets replaced or renewed with asset replacement and renewal operating expenditure are identified as part of Centralines' condition assessment and asset inspection programmes or as part of Centralines' planned replacement programmes.

Assets commonly identified for replacement through inspections and condition assessment include; crossarm and insulator replacement subsequent to overhead line inspections, pedestal replacements subsequent to LV safety inspections, transformer refurbishment subsequent to suitability assessment, cable termination maintenance subsequent to partial discharge testing, joint repairs subsequent to thermovision inspections.

There are no items identified as material atypical expenditure within network or non-network opex for the 2018 disclosure year.

There have been no reclassified items.

Variance between forecast and actual expenditure (Schedule 7)

15. In the box below, comment on variance in actual to forecast expenditure for the disclosure year, as reported in Schedule 7. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

Box 12: Explanatory comment on variance in actual to forecast expenditure

7(ii)

Consumer Connections: As with previous years, there has again been increased demand for customer connections requiring complex network alterations and has resulted in an overspend in our Customer Contributions budget.

System Growth: An unexpected surge in property development in Bennet St Waipawa meant there was a need to increase the network capacity in the area.

Asset replacement and renewal: Due to the large amount of customer work some projects were deferred to next year resulting in an underspend.

Asset Relocations: There were no assets that required relocation during the 17 -18 financial year.

Quality of Supply: The planned Distribution Transformer Monitoring jobs were cancelled resulting in a considerable underspend.

Legislative and regulatory: Less than anticipated spend regarding the preparation work for the Wilder Rd Substation upgrade.

Other reliability, safety and environment: Due to the large amount of customer work some projects were deferred to next year resulting in an underspend.

7(iii)

Service interruptions and emergencies: There has been more fault work than anticipated which is reflected in the SAIDI figures for the 17-18 year. This resulted in a higher expenditure.

Routine and Corrective Maintenance and Inspection: As was proven the year before, aerial inspections via helicopter saved a huge amount of time and cost, resulting in the underspend in the planned Routine and Corrective and Inspection expenditure.

Asset replacement and renewal: Due to more fault work than anticipated some of the asset replacement and renewal work had to be deferred to next year resulting in an underspend.

Information relating to revenues and quantities for the disclosure year

16. In the box below provide-

16.1 a comparison of the target revenue disclosed before the start of the disclosure year, in accordance with clause 2.4.1 and subclause 2.4.3(3) to total billed line charge revenue for the disclosure year, as disclosed in Schedule 8; and

16.2 explanatory comment on reasons for any material differences between target revenue and total billed line charge revenue.

Box 13: Explanatory comment relating to revenue for the disclosure year

Revenue is 2.2% (\$309,000) above budget. This positive variance is mainly due to increased residential consumption.

Network Reliability for the Disclosure Year (Schedule 10)

17. In the box below, comment on network reliability for the disclosure year, as disclosed in Schedule 10.

Box 14: Commentary on network reliability for the disclosure year

Strong SAIFI performance was achieved this year. SAIDI performance exceeded the target, however was below the regulatory limit for the year. Major contributing factors to SAIDI performance include an increased impact from Vegetation and External Influences.

Insurance cover

18. In the box below, provide details of any insurance cover for the assets used to provide electricity distribution services, including-
- 18.1 The EDB's approaches and practices in regard to the insurance of assets used to provide electricity distribution services, including the level of insurance;
- 18.2 In respect of any self insurance, the level of reserves, details of how reserves are managed and invested, and details of any reinsurance.

Box 15: Explanation of insurance cover

Centralines insures all its assets for Material Damage and Business Interruption cover. It employs two policies to achieve this. The "MD/BI" policy, placed in the retail market, covers Buildings, Plant, Ground Mounted Assets, Stock and Equipment of every description.

Total sum insured for the policy is \$34.5M which includes a \$2M component for Business Interruption cover. The deductible is \$5,000 with a \$50,000 deductible applying for ground mounted assets.

18.2 nil

Amendments to previously disclosed information

19. In the box below, provide information about amendments to previously disclosed information disclosed in accordance with clause 2.12.1 in the last 7 years, including:

19.1 a description of each error; and

19.2 for each error, reference to the web address where the disclosure made in accordance with clause 2.12.1 is publicly disclosed.

Box 16: Disclosure of amendment to previously disclosed information

N/A

Company Name Centralines Limited

For Year Ended 31 March 2018

Schedule 15 Voluntary Explanatory Notes

1. This schedule enables EDBs to provide, should they wish to-
 - 1.1 additional explanatory comment to reports prepared in accordance with clauses 2.3.1, 2.4.21, 2.4.22, 2.5.1 and 2.5.2;
 - 1.2 information on any substantial changes to information disclosed in relation to a prior disclosure year, as a result of final wash-ups.
2. Information in this schedule is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.
3. Provide additional explanatory comment in the box below.

Box 1: Voluntary explanatory comment on disclosed information

Schedule 4: Report on Regulatory Asset Base (RAB) Rolled Forward

As at 31/03/2017 Centralines Ltd had accrued CAPEX costs of \$166k towards the Ruataniwha Water Storage Scheme. This amount was disclosed in the 2017 closing Works Under Construction. The Scheme was abandoned early in the 2018 financial year. At this point Centralines Ltd expensed those costs. Centralines Ltd has adjusted the opening 2018 Works Under Construction figure to show this.



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:

- a) the information prepared for the purposes of clauses 2.3.1, 2.3.2, 2.4.21, 2.4.22, 2.5.1, 2.5.2, and 2.7.1 of the Electricity Distribution Information Disclosure Determination 2012 in all material respects complies with that determination; and
- b) the historical information used in the preparation of Schedules 8, 9a, 9b, 9c, 9d, 9e, 10, and 14 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.

In respect of related party costs and revenues recorded in accordance with clauses 2.3.6(1) (when valued in accordance with clause 2.2.11(5)(h)(ii) of the Electricity Distribution Services Input Methodologies Determination 2010), 2.3.6(2)(f) and 2.3.7(2)(b), we certify that, having made all reasonable enquiry, including enquiries of our related parties, we are satisfied that to the best of our knowledge and belief the costs and revenues recorded for related party transactions reasonably reflect the price or prices that would have been paid or received had these transactions been at arm's-length.



Director

Date: 29 August 2018



Director

Date: 29 August 2018

Independent Assurance Report

To the directors of Centralines Limited and the Commerce Commission

The Auditor-General is the auditor of Centralines Limited (the company). The Auditor-General has appointed me, Julian Tan, using the staff and resources of Audit New Zealand, to provide an opinion, on his behalf, on whether the information disclosed in schedules 1 to 4, 5a to 5g, 6a and 6b, 7, the system average interruption duration index ("SAIDI") and system average interruption frequency index ("SAIFI") information disclosed in Schedule 10 and the explanatory notes in boxes 1 to 12 in Schedule 14 ("the Disclosure Information") for the disclosure year ended 31 March 2018, have been prepared, in all material respects, in accordance with the Electricity Distribution Information Disclosure Determination 2012 (the "Determination").

Directors' responsibility for the Disclosure Information

The directors of the company are responsible for preparation of the Disclosure Information in accordance with the Determination, and for such internal control as the directors determine is necessary to enable the preparation of the Disclosure Information that is free from material misstatement.

Our responsibility for the Disclosure Information

Our responsibility is to express an opinion on whether the Disclosure Information has been prepared, in all material respects, in accordance with the Determination.

Basis of opinion

We conducted our engagement in accordance with the International Standard on Assurance Engagements (New Zealand) 3000 (Revised) Assurance Engagements Other Than Audits or Reviews of Historical Financial Information and the Standard on Assurance Engagements 3100: Compliance Engagements issued by the New Zealand Auditing and Assurance Standards Board. Copies of these standards are available on the External Reporting Board's website.

These standards require that we comply with ethical requirements and plan and perform our assurance engagement to provide reasonable assurance about whether the Disclosure Information has been prepared in all material respects in accordance with the Determination.

We have performed procedures to obtain evidence about the amounts and disclosures in the Disclosure Information. The procedures selected depend on our judgement, including the assessment of the risks of material misstatement of the Disclosure Information, whether due to fraud or error or non-compliance with the Determination. In making those risk assessments, we considered internal control relevant to the company's preparation of the Disclosure Information in order to design procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the company's internal control.

Use of this report

This independent assurance report has been prepared solely for the directors of the company and for the Commerce Commission for the purpose of providing those parties with reasonable assurance about whether the Disclosure Information has been prepared, in all material respects, in accordance with the Determination. We disclaim any assumption of responsibility for any reliance on this report to any person other than the directors of the company or the Commerce Commission, or for any other purpose than that for which it was prepared.

Scope and inherent limitations

Because of the inherent limitations of a reasonable assurance engagement, and the test basis of the procedures performed, it is possible that fraud, error or non-compliance may occur and not be detected.

We did not examine every transaction, adjustment or event underlying the Disclosure Information nor do we guarantee complete accuracy of the Disclosure Information. Also we did not evaluate the security and controls over the electronic publication of the Disclosure Information.

The opinion expressed in this independent assurance report has been formed on the above basis.

Independence and quality control

When carrying out the engagement, we complied with the Auditor-General's:

- independence and other ethical requirements, which incorporate the independence and ethical requirements of Professional and Ethical Standard 1 (Revised) issued by the New Zealand Auditing and Assurance Standards Board; and
- quality control requirements, which incorporate the quality control requirements of Professional and Ethical Standard 3 (Amended) issued by the New Zealand Auditing and Assurance Standards Board.

We also complied with the independence requirements specified in the Determination.

The Auditor-General, and his employees, and Audit New Zealand and its employees may deal with the company on normal terms within the ordinary course of trading activities of the company. Other than any dealings on normal terms within the ordinary course of business, this engagement and the engagements described below, we have no relationship with or interests in the company:

- annual audit of the company's financial statements; and
- an assurance engagement in respect of the company's default price-quality path compliance statement prepared under the Electricity Distribution Services Default Price-Quality Path Determination 2015 NZCC 35 for the year ended 31 March 2018.

Opinion

In our opinion:

- as far as appears from an examination of them, proper records to enable the complete and accurate compilation of the Disclosure Information have been kept by the company;
- as far as appears from an examination, the information used in the preparation of the Disclosure Information has been properly extracted from the company's accounting and other records and has been sourced, where appropriate, from the company's financial and non-financial systems; and
- the Disclosure Information has been prepared, in all material respects, in accordance with the Determination.

In forming our opinion, we have obtained sufficient recorded evidence and all the information and explanations we have required.



Julian Tan
Audit New Zealand
On behalf of the Auditor-General
Palmerston North, New Zealand
30 August 2018