Annual price-setting compliance statement

For the second assessment period (1 April 2021 - 31 March 2022)

Pursuant to requirement 11 of the Electricity Distribution Service Default Price-Quality Path Determination 2020 (dated 27 November 2019)

1. INTRODUCTION

EA Networks is subject to regulation under Part 4 of the Commerce Act 1986. Pursuant to section 4 of the Act, the Commerce Commission set the default price path Determination for non-exempt electricity distribution companies like EA Networks.

The default price path Determination was published on 27 November 2019 and applies from 1 April 2020 to 31 March 2025. Under clause 11 of the Determination EA Networks is required by 1 April 2021 to publish an "annual price-setting compliance statement", which has two key requirements:

Information on:

1) How we calculated forecast revenue, in particular:
   - The calculation of forecast revenue from prices together with supporting information for all components of the calculation.
   - The calculation of its forecast allowable revenue together with supporting information for all components of the calculation.

2) Compliance with the price path requirements, in particular:
   - If we have not complied with the price path, the reasons for the non-compliance.
   - If we have not complied with the price path, any actions we will be taking to mitigate any non-compliance and to prevent similar non-compliance in the future.
   - A statement whether EA Networks has complied with the requirements of the price path.

2. DATE OF COMPLETION

This updated statement was completed on 30 March 2021 and approved for release by EA Networks Directors.

We welcome enquiries concerning this compliance document, which should be sent to enquiries@eanetworks.co.nz. If you have suggestions regarding how we can improve this document, please contact us.

3 DIRECTORS CERTIFICATE

We, Paul Jason Munro and Richard Gwyn Fitzgerald, being directors of Electricity Ashburton Limited trading as EA Networks certify that, having made all reasonable enquiry, to the best of our knowledge and belief, the attached annual price-setting compliance statement of EA Networks, and related information, prepared for the purpose of the Electricity Distribution Services Default Price-Quality Path Determination 2020 has been prepared in accordance with all the relevant requirements, and all forecasts used in the calculations for forecast revenue from prices and forecast allowable revenue are reasonable.

Paul Jason Munro   Richard Gwyn Fitzgerald

30 March 2021

4 COMPLIANCE ASSESSMENT

4.1 Summary

The price-path compliance requirement in clause 8.4 of the Determination states:

> "comply with the price path for an assessment period of the DPP regulatory period, a non-exempt EDB's forecast revenue from prices for that assessment period of the DPP regulatory period must not exceed the lesser of:
>
> (a) the forecast allowable revenue for that assessment period; and
>
> (b) the amount determined in accordance with the following formula: the forecast revenue from prices for the previous assessment period x (1 + limit on annual percentage increase in forecast revenue from prices)."

EA Networks complies with the price path for the assessment period 1 April 2021 to 31 March 2022, as demonstrated below:

Demonstration that forecast allowable revenue is greater than forecast revenue from price	
	$000
Forecast allowable revenue	41,357
Forecast revenue from prices	41,268
Compliance test:	
Comply with the test because forecast revenue from prices ≤ forecast allowable revenue.	

Maximum allowable forecast revenue from prices	
	$000
Forecast revenue from prices from previous assessment period	46,666
Limit on annual percentage increase in forecast revenue from prices	10%
Maximum allowable forecast revenue from prices	51,333
Forecast revenue from prices for the current assessment period	41,268
Compliance test:	
Comply with the test as the forecast revenue from prices for the current period is ≤ the maximum allowable forecast revenue from prices.	

The remainder of this document contains more details about the costs and assumptions that underpin these forecasts. Section 5, details how *forecast allowable revenue* was calculated. Section 6 and Appendix B provide information about *forecast revenue from prices*.

4.2 Compliance with the determination

EA Networks is compliant with the Determination.

5   Calculating forecast allowable revenue

The 2021/22 assessment period is the second annual assessment period under the Determination. EA Networks forecast allowable revenue for each annual assessment period is determined in accordance with the following:

> Forecast allowable revenue =   Forecast net allowable revenue
> + Forecast pass-through and recoverable costs
> + Opening wash-up account balance
> + Pass-through balance allowance

The calculation of EA Networks forecast allowable revenue for the 2021/22 assessment period is provided in table below.

Calculating EA Networks forecast allowable revenue.

EA Networks forecast allowable revenue 2021/22 = Forecast net allowable revenue + Forecast pass-through and recoverable costs + opening wash-up account balance + pass-through balance allowance.	
Calculation Components	**Amount ($000)**
Forecast net allowable revenue	33,907
Forecast pass-through costs	397
Forecast recoverable costs	7,053
Pass-through balance allowance	0
Opening wash-up account balance	0
Forecast allowable revenue	**41,357**

The four components of forecast allowable revenue for the 2021/22 assessment period are described in more detail below.

5.1 Forecast net allowable revenue

Forecast net allowable revenue for the assessment period is specified in Schedule 1.4 of the Determination.

For the 2021/22 assessment period, the forecast amount is **$33.907M.**

5.2 Forecast pass-through costs

This is EA Networks forecast of pass-through costs for the year. These costs must be demonstrably reasonably.

For the 2021/22 assessment period, the forecast amount is **$0.397M**.

Section 6.1.1.(b) provides more detail about how these forecast values were determined.

5.3 Forecast recoverable costs

For the 2021/22 assessment period, the forecast amount is **$7.053M**.

Section 6.1.1.(b) provides more detail about how these forecast values were determined.

5.4 Opening wash-up account balance

The opening wash-up account balance for 2020/21 & 2021/22 is nil and thereafter represents any under or over-recoveries of revenue resulting from differences between actual and forecast values two year ago, less any voluntary under-charging forgone for the previous assessment period. This balance is adjusted for the time value of money specified by the Commerce Commission.

5.5 Pass-through balance allowance

The Determination require that the 2019/20 pass-through balance is washed-up in the 2nd DPP3 disclosure assessed period.

Pass-through balance allowance ($000)	
Estimated pass-through balance stated in the first assessment period	(813)
Less Actual pass-through balance as at 31 March 2020	(813)
Subtotal	**0**
67th percentile estimate of post-tax WACC	4.23%
Pass-through balance allowance	**0**

6. Calculating forecast revenue from prices

EA Networks forecast revenue from prices is equal to the total of each of its prices for the assessment period multiplied by the forecast quantities they apply to. The Determination requires that these forecasts are demonstrably reasonable.

Prices are made up of fixed and variable volume components multiplied by quantities. Quantities are made up of units consumed, number of connections, installed capacity and demand. So forecasted allowable revenue requires forecasting of the number of connections, consumption, installed capacity and demand. The quantity forecasts are developed using a 'bottom-up' approach at the tariff class level.

To forecast quantities for FY22 we have used a trend analysis of 3 years actual quantities (from FY2018 to FY2020), by tariff group. When the result of trend analysis, by tariff group, was not consistent with what we expect for FY22 would have anticipated, we changed our forecasting method to gain a result that was in line with what we were anticipating taking into account wider factors.

6.1 Components of revenue from prices

The following table shows the elements of forecast revenue from prices:

Forecast allowable revenue from prices	($000)
Components	
Delivery price revenue (Distribution)	33,907
Forecast pass-through costs	397
Forecast recoverable costs	7,053
Wash-up account balance	0
Forecast allowable revenue	**41,357**
Voluntary under-charging	(89)
Total Forecast revenue from Prices	**41,268**

Appendix B gives a detailed breakdown of how forecast revenue from is calculated from Price * Quantities. The allocation of costs to tariff groups is detailed in the Pricing Methodology which is downloadable from our website.

Voluntary under-charging

The $0.089M is the difference between Forecast allowable revenue and where EA Networks have decided to set prices.

6.1.1 Analysis of the components and calculation of forecast revenue from prices

This section provides a breakdown of the components of forecast revenue from prices.

6.1.1.(a) Delivery price revenue (Distribution)

Total delivery price revenue or forecast net allowable revenue as it is otherwise known, is specified in Schedule 1.4 of the Determination so no calculation is necessary for this component of forecast allowable revenue. The pricing methodology, downloadable from www.eanetworks.co.nz, gives additional details concerning how Delivery Price revenue is allocated to load groups.

6.1.1.(b) Delivery price revenue (Pass-through and recoverable revenue)

Delivery price revenue (Pass-through and recoverable costs)	($000)
Components	
Forecast pass-through cost	397
Forecast recoverable cost	7,053
Total Forecast revenue from Prices	**7,450**

This sub-section explains how EA Networks has calculated the wash-up account balance, pass-through and recoverable revenue, and pass-through balance allowance.

Forecast pass-through and recoverable costs

The Determination requires a forecast of pass-through and recoverable costs. The two tables below provide a breakdown of EA Networks' pass-though and recoverable costs forecast for the year ending 31 March 2022.

Forecast pass-through costs	($000)
Components	
Commerce Commission levies	84
Electricity Authority levies	100
Utilities Disputes levies	11
Council rates	202
Total forecast recoverable costs	397

Forecast recoverable costs	($000)
Components	
IRIS incentive adjustment	(1,228)
Transpower connection charge	297
Transpower interconnection charge	4,259
Transpower new investment charges	3,179
System operator services charge	0
Avoided operator service charges	0
Distributed generation allowance	0
Claw-back	0
Catastrophic event allowance	0
Quality incentive adjustment	(19)
Capex wash-up adjustment	502
Transmission asset wash-up adjustment	0
Reconsideration event allowance	0
Quality standard variation engineers fees	0
Urgent project allowance	0
Revenue wash-up drawn down amount	0
Fire and Emergency New Zealand	63
Innovation project allowance	0
Total forecast recoverable costs	7,053

Forecast pass-through and recoverable costs	7,450

The Determination requires that all forecasts of pass-through costs and recoverable costs used to calculate forecast allowable must be demonstrably reasonable.

Method of forecasting pass-through costs	
Components	**Forecasting Methodology**
Commerce Commission levies	Historical charges with CPI adjustment
Electricity Authority levies	Historical charges with CPI adjustment
Utilities Disputes Levies	Historical charges with CPI adjustment
Council Rates	Historical charges with CPI adjustment

Method of forecasting recoverable costs	
Components	**Forecasting Methodology**
IRIS incentive adjustment	Commerce Commission spreadsheet
Transpower connection charge	Notified prices
Transpower interconnection charge	Notified prices
Transpower new investment charges	Notified price and an additional repayment.
Quality incentive adjustment	FY2020 DPP compliance statement
Capex wash-up adjustment	Based on the calculation defined in the Determination
Fire and Emergency Levy	Historical charges with CPI adjustment

Why do we believe that a CPI adjusting approach to forecast pass-through cost is reasonable?

Where possible, we have used actual cost (notified prices). When we have not been able to source the actual cost for the FY22 we have increased the FY21 actual costs by Treasury CPI forecasted (CPI adjustment).

Our internal budgeting process uses CPI forecast as a predictor of likely future costs in the absence of better information. This means our approach to determining the likely pass-through costs is consistent with our financial modeling on which we base business decisions.

For the disclosure year we have based our CPI adjustment on the Westpac CPI forecast issued in November 2020. The forecast can be downloaded from.

https://www.westpac.co.nz/business/economic-updates/economic-and-financial-forecasts/

Why do we believe that our approach to forecasting recoverable cost is reasonable?

When possible, we used actual costs (notified prices). When notified actual costs are not available, we have used audited numbers, or the Commerce Commission supplied spreadsheets to work out the value of forecasted recoverable cost.

6.1.1(c). Wash-up account balance

Schedule 1.7 of the Determination sets the opening wash-up account balance for the first and second assessment periods of the DPP regulatory period as nil.

6.1.1(d) Voluntary under-charging

The voluntary under-charging represents the difference between forecasted allowable revenue and forecast revenue from prices.

Appendix A: Compliance references

The following tables describe the Determination requirements and the section of this Statement that addresses them:

Table A:1 Price Path Summary

Determination clause	Requirement	Section of document

11.2 (a)	State whether or not the non-exempt EDB has:
	  I. In respect of the first assessment period of the DPP regulatory period complained with the price path in clause 8.3 for the assessment period; or
	  II. In respect of the second to fifth assessment periods of he DPP regulatory period, complied with the price path in clause 8.4 for the assessment period.
		4.1

11.2 (b)	State the date on which the statement was prepared.	2
11.2 (c)	Include a certificate in the form set out in Schedule 6, signed by at least one director of the non-exempt EDB.	3
11.3	**The 'annual price-setting compliance statement' must include the following information:**	
11.3 (a)	The non-exempt EDB's calculation of *its forecast revenue from prices* together with supporting information for all components of the calculation.	6 & Appendix B
11.3 (b)	The non-exempt EDB's calculation of its *forecast allowable revenue* from prices together with supporting information for all components of the calculation.	5 & 6
11.3 (c)	If the non-exempt EDB has not complied with the price path, the reasons for the non-compliance.	N/A
11.3 (d)	If the non-exempt EDB has not complied with the price path, any actions taken to mitigate any non-compliance and to prevent similar non-compliance in future.	N/A

Appendix B Detailed forecast revenue from prices

			2017-2018 average daily qualities	2018-2019 average daily qualities	2019-2020 average daily qualities	Tariff	forecasted average daily qualities	Days	Forecast qualities for the year	growth percentage	Forecast units	Winter	Summer	kWh	Notes
												Proportioned Summer/Winter kWh			
General	GS05	less than 5 kVA	0	0	0	Open	0.11	365	41	0.0%	43	-	-	-	Two new ICPs connected August 2020
General	GS20	20 kVA	42	42	42	Open	42.26	365	15,425	0.0%	15,425	-	-	-	
General	GS50	50 kVA	4	4	4	Open	4.54	365	1,659	0.0%	1,659	-	-	-	
General	G100	100 kVA	2	2	2	Open	1.96	365	714	0.0%	714	-	-	-	
General	G150	150 kVA	1	1	1	Open	0.81	365	297	0.0%	297	-	-	-	
General	GUEN	Uncontrolled Energy	614,558	605,746	630,535	Open	616,946.31	365	225,185,404	0.0%	225,185,404	92,009,998	133,175,406	225,185,404	Three year average used
General	GCOP	Controlled Off-Peak Energy	89,267	89,647	87,164	Open	85,537.66	365	31,221,247	0.0%	31,221,247	14,882,654	17,490,213	32,372,867	Trend
General	G10N	Night Boost 10	2,645	2,453	2,228	Open	1,816.15	365	662,895	0.0%	662,895	502,082	389,240	891,322	Trend
General	GNEN	Night Rate	14,866	14,265	12,745	Open	10,777.41	365	3,933,756	0.0%	3,933,756	3,385,212	1,709,592	5,094,804	Trend
General	GEDG	Export kWh	899	854	852	Open	796.74	365	290,812	0.0%	290,812	-	-	-	
General	GUDG	Generation Credit	349	423	422	Open	508.33	365	185,541	0.0%	185,541	-	-	-	
General	MCRF	Floodlight	0	0	0	Open	0.01	365	2	0.0%	2	-	-	-	
General	MCRU	Under Veranda	0	0	0	Open	0.02	365	8	0.0%	8	-	-	-	
Irrigation	ISCH	Connected kW	374	376	383	Open	383.22	365	139,874	0.0%	140,258	-	-	-	No growth forecasted from 2019-20
Irrigation	ISCF	Irrigation Harmonic Penalty	2	3	3	Open	3.10	365	1,130	0.0%	1,133	-	-	-	No growth forecasted from 2019-20
Irrigation	ISMR	Irrigation Managed Rebate			0	Open	0.24	365	89	0.0%	89	-	-	-	No growth forecasted from 2019-20
Irrigation	IUEN	Uncontrolled Energy	479,434	372,124	582,134	Open	631,948.62	365	230,661,246	0.0%	230,661,246	3,552,403	227,108,843	230,661,246	
Industrial	ICEN	Uncontrolled Energy	-	-	9,937	Open	9,936.72	365	3,626,903	0.0%	3,626,903	1,011,827	2,615,076	3,626,903	
Industrial	IDEN	Day Energy	2,154	1,978	2,758	Open	3,201.59	365	1,168,581	0.0%	1,168,581	570,392	598,189	1,168,581	
Industrial	INEN	Night Energy	445	364	658	Open	808.65	365	295,157	0.0%	295,157	151,234	143,923	295,157	
Industrial	IEMD	Industrial Supply Energy - kVA	150,709	162,147	156,236	Open	164,655.69	365	60,099,325	0.0%	60,099,325	26,976,814	33,122,511	60,099,325	
Industrial	IEDS	Direct Supply Energy - kVA	-	-	571	Open	1,046.56	365	381,994	0.0%	381,994	-	381,994	381,994	
Industrial	ICMD	Industrial Supply - kVA	31	33	31	Open	30.66	365	11,191	0.0%	10,998	-	-	-	
Industrial	ICDYMD	Industrial Supply - Day Demand	1	1	1	Open	0.94	365	341	0.0%	824	-	-	-	Trend calculation has resulted over estimation due to ICPs switching Price category. Values for previous 12 months used (No Growth forecasted)
Industrial	ICDPD	Industrial Supply - Peak Demand	2	2	5	Open	8.29	365	3,027	0.0%	2,560	-	-	-	
Industrial	ICDYAD	Industrial Supply - Anytime Demand	-	-	-	Open	-	365		0.0%	830	-	-	-	
Industrial	ICDAM	Industrial Supply - Anytime Demand	2	2	6	Open	8.93	365	3,261	0.0%	2,735	-	-	-	
Large User	LUCM	CMP	0	0	0	Closed	0.00	365	1	0.0%	1	-	-	-	
Large User	LECM	CMP Energy	95,849	91,367	89,292	Closed	82,333.82	365	30,051,845	0.0%	30,051,845	11,755,703	18,296,142	30,051,845	
Large User	LMCM	CMP MD	16	15	15	Closed	14.01	365	5,112	0.0%	5,112	-	-	-	
Large User	LUPP	Silver Fern Farms	0	0	0	Closed	0.00	365	1	0.0%	1	-	-	-	
Large User	LEPP	Silver Fern Farms Energy	13,957	11,730	11,679	Closed	9,037.96	365	3,298,854	0.0%	3,298,854	1,213,141	2,085,713	3,298,854	
Large User	LMPP	Silver Fern Farms MD	3	3	2	Closed	1.15	365	419	0.0%	419	-	-	-	
Large User	LUMH	Mt Hutt	0	0	0	Closed	0.00	365	1	0.0%	1	-	-	-	
Large User	LEMH	Mt Hutt Energy	6,032	7,035	6,825	Closed	7,820.82	365	2,854,598	0.0%	2,854,598	2,261,774	592,824	2,854,598	
Large User	LMMH	Mt Hutt MD	3	3	3	Closed	3.64	365	1,329	0.0%	1,329	-	-	-	
Large User	LUHP	Connected kW	26	26	26	Closed	26.17	365	9,600	0.0%	9,600	-	-	-	Chargeable kW of Pumps
Large User	LEHP	Highbank Pumps Energy	15,650	13,316	20,264	Closed	23,331.51	365	8,516,003	0.0%	8,516,003	2,681	8,513,322	8,516,003	
Large User	LMHP	Highbank Pumps MD	-	-	-	Closed	-	365		0.0%	-	-	-	-	
Generation	LUHB	Highbank	0	0	0	Closed	0.00	365	1	0.0%	1	-	-	-	
Generation	LEHB	Highbank Energy	336,592	355,616	226,827	Closed	141,697.77	365	51,719,686	0.0%	51,719,686	20,522,995	31,196,691	51,719,686	
Generation	LMHB	Highbank MD	-	-	-	Closed	-	365	26,003	0.0%	26,003	-	-	-	Amended to 2020-21 Value
Generation	LUMO	Montalto	0	0	0	Closed	0.00	365	1	0.0%	1	-	-	-	
Generation	LEMO	Montalto Energy	28,793	28,920	27,609	Closed	26,664.13	365	9,732,407	0.0%	9,732,407	3,910,127	5,822,280	9,732,407	
Generation	LMMO	Montalto MD	-	-	-	Closed	-	365	1,744	0.0%	1,744	-	-	-	Amended to 2020-21 Value
Generation	LUCD	Cleardale	0	0	0	Closed	0.00	365	1	0.0%	1	-	-	-	
Generation	LECD	Cleardale Energy	10,837	9,074	9,988	Closed	8,693.14	365	3,172,997	0.0%	3,172,997	1,226,457	1,946,540	3,172,997	
Generation	LMCD	Cleardale MD	-	-	-	Closed	-	365	1,014	0.0%	1,014	-	-	-	Amended to 2020-21 Value
Generation	LULN	Lavington	0	0	0	Closed	0.00	365	1	0.0%	1	-	-	-	
Generation	LELN	Lavington Energy	8,503	6,828	6,085	Closed	3,512.01	365	1,281,884	0.0%	1,281,884	389,175	892,709	1,281,884	
Generation	LMLN	Lavington MD	-	-	-	Closed	-	365		0.0%	479	-	-	-	Amended to 2020-21 Value
Street Lighting	MCSL	Streetlighting	9	9	7	Closed	7.26	365	3,609	0.0%	3,609	-	-	-	Amended to 2020-21 Value
New connection		Rural without tx	0	0	0	Open	0.09	365	32	0.0%	24	-	-	-	
New connection		Rural with Tx	0	0	0	Open	0.01	365	2	0.0%	15	-	-	-	Forecast based on List of current jobs run Dec 2020.
New connection		Urban	0	0	0	Open	0.10	365	36	0.0%	59	-	-	-	
Total											668,568,123		670,405,877		

Reporting Group	UOS_Code	Tariff Description	Units	Qualitities	Traiff	Revenue
General	GS05	less than 5 kVA	day	43	$0.518	8,135
General	GS20	20 kVA	day	15,425	$0.150	844,519
General	GS50	50 kVA	day	1,659	$0.300	181,661
General	G100	100 kVA	day	714	$0.600	156,366
General	G150	150 kVA	day	297	$0.900	97,565
General	GUEN	Uncontrolled Energy	kWh	225,185,404	$0.078	17,474,387
General	GCOP	Controlled Off-Peak Energy	kWh	31,221,247	$0.016	499,540
General	G10N	Night Boost 10	kWh	662,895	$0.016	10,606
General	GNEN	Night Rate	kWh	3,933,756	$0.000	0
General	GEDG	Export kWh	kWh	290,812	$0.000	0
General	GUDG	Generation Credit	kWh	185,541	$0.000	0
General	MCRF	Floodlight	fitting per day	2	$0.282	206
General	MCRU	Under Verandah	fitting per day	8	$0.248	725
Irrigation	ISCH	Connected kW	kW per day	140,258	$0.356	18,225,074
Irrigation	ISCF	Irrigation Harmonic Penalty	kW per day	1,133	$0.456	188,573
Irrigation	ISMR	Irrigation Managed Rebate		0	$0.000	
Irrigation	ISCM	Irrigation Managed Trial	kW per day	89	-$0.100	(3,249)
Irrigation	IUEN	Uncontrolled Energy	kWh	230,661,246	$0.000	0
Industrial	ICEN	Uncontrolled Energy		0	$0.000	0
Industrial	IDEN	Day Energy	kWh	1,168,581	$0.000	0
Industrial	INEN	Night Energy	kWh	295,157	$0.000	0
Industrial	IEMD	Industrial Supply Energy - kVA	kWh	64,108,222	$0.000	0
Industrial	IEDS	Direct Supply Energy - kVA		0	$0.000	0
Industrial	ICMD	Industrial Supply - kVA	kVA per day	10,998	$0.330	1,323,511
Industrial	ICDYMD	Industrial Supply - Day Demand	kVA per day	824	$0.330	99,117
Industrial	ICDPD	Industrial Supply - Peak Demand	kVA per day	2,560	$0.070	65,402
Industrial	ICDYAD	Industrial Supply - Anytime Demand	kVA per day	830	$0.000	0
Industrial	ICDAM	Industrial Supply - Anytime Demand	kVA per day	2,735	$0.260	259,213
Large User	LUCM	CMP	day	1	$694.275	253,410
Large User	LECM	CMP Energy	kWh	30,051,845	$0.000	0
Large User	LMCM	CMP MD	kVA per day	5,112	$0.076	141,620
Large User	LUPP	Silver Fern Farms	day	1	$97.368	35,539
Large User	LEPP	Silver Fern Farms Energy	kWh	3,298,854	$0.000	0
Large User	LMPP	Silver Fern Farms MD	kVA per day	419	$0.077	11,745
Large User	LUMH	Mt Hutt	day	1	$334.220	121,990
Large User	LEMH	Mt Hutt Energy	kWh	2,854,598	$0.000	0
Large User	LMMH	Mt Hutt MD	kVA per day	1,329	$0.060	29,154
Large User	LUHP	Connected kW	kW per day	9,600	$0.138	481,800
Large User	LEHP	Highbank Pumps Energy	kWh	8,516,003	$0.000	0
Large User	LMHP	Highbank Pumps MD	kVA per day	0	$0.000	0
Generation	LUHB	Highbank	day	1	$933.256	340,639
Generation	LEHB	Highbank Energy	kWh	51,719,686	$0.000	0
Generation	LMHB	Highbank MD	kVA per day	26,003	$0.000	0
Generation	LUMO	Montalto	day	1	$95.666	34,918
Generation	LEMO	Montalto Energy	kWh	9,732,407	$0.000	0
Generation	LMMO	Montalto MD	kVA per day	1,744	$0.000	0
Generation	LUCD	Cleardale	day	1	$69.506	25,370
Generation	LECD	Cleardale Energy	kWh	3,172,997	$0.000	0
Generation	LMCD	Cleardale MD	kVA per day	1,014	$0.000	0
Generation	LULN	Lavington	day	1	$19.253	7,027
Generation	LELN	Lavington Energy	kWh	1,281,884	$0.000	0
Generation	LMLN	Lavington MD	kVA per month	479	$0.000	0
Street Lighting	MCSL	Streetlighting	fitting per day	3,609	$0.191	251,206
New connection		Rural without tx	Per connection	59	$755.560	44,578
New connection		Rural with Tx	Per connection	24	$1,315.560	31,573
New connection		Urban	Per connection	15	$1,751.110	26,267
Total						41,268,187

Our approach to calculate quantities is detailed in Section 6.