

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Prior to using this model

The Excel VBA macro must be enabled prior to opening this model to allow the use of macro to perform computation.

Worksheets

Worksheet	Description
Output_Summary	AA4 ERA Revenue Model Output
WACC	Contains the relevant parameters related to computing the WACC
D_Input	Contains general inputs of assumptions for Distribution, ICB, capital expenditures, operating expenditures, approved depreciations etc.
T_Input	Contains general inputs of assumptions for Transmission, ICB, capital expenditures, operating expenditures, approved depreciations etc.
Adjustment Input	Contains general inputs of assumptions for calculating incentive and revenue adjustment, such as, SSAM, IAM, GSM, K-factor and other adjustments.
D_Asset	Regulatory depreciation for Distribution
D_Tax Asset	Tax depreciation for Distribution
T_Asset	Regulatory depreciation for Transmission
T_Tax Asset	Tax depreciation for Transmission
D_Adjustment	Revenue adjustment calculation for Distribution
T_Adjustment	Revenue adjustment calculation for Transmission
Tax Analysis	Tax and Equity Raising Cost calculation for Distribution and Transmission
GSM	Gain Share Mechanism calculation for Distribution and Transmission
D_CoS	Cost of Service Building Block calculation for Distribution
T_CoS	Cost of Service Building Block calculation for Transmission

ERA Western Power AA4 Revenue Model, February 2019 [Post FD]

ERA Model Summary

	2	3	5	6	7	8	9	10	11
4	AA4 Transmission Network Target Revenue (Real \$ Million, at 30 June 2017)								
5		2017/18	2018/19	2019/20	2020/21	2021/22	AA4 Total	Total Approved AA3	
6	Operating Costs	87.1	85.5	85.2	86.5	84.6	428.8	578.6	
7	Depreciation	110.0	115.9	122.7	129.3	132.7	610.6	562.1	
8	Accelerated Depreciation (redundant assets)	-	-	-	-	-	-	-	
9	Return on regulated asset (less inflationary gain)	122.9	123.5	125.9	127.8	127.5	627.6	592.4	
10	Return on working capital	1.1	1.4	1.3	1.7	2.3	7.9	4.8	
11	Taxation	12.1	10.3	10.5	10.4	12.9	56.3	57.7	
	Deferred Revenue Recovery	4.4	4.4	4.4	4.4	4.4	22.2	21.0	
13	Forward Looking Efficient Cost	337.6	341.0	350.0	360.3	364.5	1,753.4	1,816.7	
14	Investment Adjustment Mechanism	(-35.8)	-	-	-	-	(-35.8)	(-52.5)	
15	Service standard adjustment mechanism	13.3	-	-	-	-	13.3	6.8	
16	Unforeseen Events	-	-	-	-	-	-	-	
17	D-Factor	-	-	-	-	-	-	-	
18	Gain sharing mechanism	8.6	9.3	9.3	7.1	16.6	50.9	-	
19	K Factor	1.2	-	-	-	-	1.2	29.2	
20	Total Transmission Revenue Building Blocks (unsmoothed)	325.0	350.2	359.3	367.4	381.1	1,783.0	1,800.2	
21									
22	Smoothed target revenue for transmission network (Real \$ Million, at 30 June 2017)								
23		2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	AA4 Total	AA4 Total at Present Value
24	Unsmoothed Transmission Revenue		325.0	350.2	359.3	367.4	381.1	1,783.0	1,585.1
25	Revenue deferred		-	-	-	-	-	-	-
26	Smoothed transmission revenue	290.1	281.9	282.1	340.0	407.7	486.9	1,798.6	1,585.1
27	Annual % Change on Smoothed Revenue		-2.82%	0.0%	20.5%	19.9%	19.4%		
28									
29	AA4 Distribution Network Target Revenue (Real \$ Million, at 30 June 2017)								
30		2017/18	2018/19	2019/20	2020/21	2021/22	AA4 Total	Total Approved AA3	
31	Operating Costs	273.7	270.7	270.6	275.9	272.3	1,363.2	1,922.4	
32	Depreciation	257.7	275.6	279.2	269.1	261.9	1,343.4	1,260.3	
33	Accelerated Depreciation (redundant assets)	4.4	6.9	4.4	-	-	15.6	4.3	
34	Return on regulated asset	229.2	237.6	245.3	254.3	259.6	1,226.1	929.2	
35	Return on working capital	6.8	6.5	6.4	6.0	5.8	31.4	15.1	
36	Taxation	74.8	31.7	29.7	24.0	28.3	188.5	209.7	
	Deferred Revenue Recovery	35.6	35.6	35.6	35.6	35.6	177.8	169.1	
	Tariff Equalisation Contribution	164.6	191.5	153.4	146.0	147.0	802.3	984.9	
39	Forward Looking Efficient Cost	1,046.8	1,055.9	1,024.6	1,010.8	1,010.3	5,148.4	5,494.9	
40	Investment Adjustment Mechanism	(-7.1)	-	-	-	-	(-7.1)	2.1	
41	Service standard adjustment mechanism	240.7	-	-	-	-	240.7	27.0	
42	Unforeseen Events	-	-	-	-	-	-	-	
43	D-Factor	8.7	-	-	-	-	8.7	-	

44	Gain sharing mechanism	27.4	29.3	29.3	22.5	52.7	161.2	-
45	K Factor	36.4	-	-	-	-	36.4	54.1
46	Total Distribution Revenue Building Blocks (unsmoothed)	1,352.8	1,085.2	1,053.9	1,033.3	1,063.0	5,588.3	5,578.2

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48 **AA4 Smoothed target revenue for Distribution network (Real \$ Million, at 30 June 2017)**

	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	AA4 Total	AA4 Total at Present Value
49								
50	Unsmoothed Distribution Revenue	1,352.8	1,085.2	1,053.9	1,033.3	1,063.0	5,588.3	5,004.3
51	Revenue brought forward	-	-	-	-	-	-	-
52	Adjusted unsmoothed revenue	1,352.8	1,085.2	1,053.9	1,033.3	1,063.0	5,588.3	5,004.3
53	Smoothed Distribution Revenue	1,235.0	1,192.5	1,178.7	1,128.1	1,073.2	5,596.1	5,004.3
54	Annual % Change on Smoothed Revenue		-3.44%	-1.15%	-4.30%	-4.87%	-4.63%	

55

Real \$ m as at 30/06/2017	AA4 Total	Total Approved AA3
56		
57	Unsmoothed target revenue	7,371.297
58	Smoothed target revenue	7,394.69

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60 **Transmission Demand Profile and Tariff Path**

	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
61						
62	Smoothed Revenue (Real \$ m as at 30/06/2017)	281.9	282.1	340.0	407.7	486.9
	Energy Transport (GWh)	17,698.0	17,663.0	17,628.0	17,502.0	17,309.0
64	Average Tariff (Real \$/MWh)	16.3	15.9	16.0	19.3	28.1
65	Annual % Change		-2.46%	0.25%	20.77%	20.77%

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67 **Distribution Demand Profile and Tariff Path**

	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
68						
69	Smoothed Revenue (Real \$ m as at 30/06/2017)	1,192.5	1,178.7	1,128.1	1,073.2	1,023.5
70	Energy Transport (GWh)	13,691.0	13,656.0	13,505.0	13,276.0	13,083.0
71	Average Tariff (Real \$/MWh)	89.7	87.1	86.317	83.5	80.8
72	Annual % Change		-2.89%	-0.90%	-3.23%	-3.23%

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74 **Consolidated Western Power Network Tariff Path**

	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
75						
76	Distribution+ Transmission Tariff (\$/MWh)	106.0	103.0	102.3	102.8	104.1
77	Annual % Change for Consolidated network tariff		-2.83%	-0.72%	0.52%	1.28%

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79 **Transmission Demand Profile and Tariff Path**

	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
80						
81	Smoothed Revenue (Nominal \$ Million)	287.1	292.56	359.1	438.5	533.4
	Energy Transport (GWh)	17,698.0	17,663.0	17,628.0	17,502.0	17,309.0
83	Average Tariff (Nominal \$/MWh)	16.3	16.2	16.6	20.4	30.8
84	Annual % Change		-0.67%	2.09%	22.99%	22.99%

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86 **Distribution Demand Profile and Tariff Path**

	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
Smoothed Revenue (Nominal \$ Million)		1,214.4	1,222.5	1,191.5	1,154.4	1,121.2
Energy Transport (GWh)		13,691.0	13,656.0	13,505.0	13,276.0	13,083.0
Average Tariff (Nominal \$/MWh)	89.7	88.7	89.5	88.2	87.0	85.7
Annual % Change		-1.11%	0.92%	-1.44%	-1.44%	-1.44%

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93 **Consolidated Western Power Network Tariff Path**

	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
Distribution+ Transmission Tariff (Nominal \$/MWh)	106.0	104.9	106.1	108.6	112.0	116.5
Annual % Change for Consolidated network tariff		-1.04%	1.10%	2.37%	3.14%	4.02%

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98 **Transmission Demand Profile and Tariff Path**

	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
Smoothed Revenue (Nominal \$ Million)		287.1	292.6	359.1	438.5	533.4
Energy Transport (GWh)		17,698.0	17,663.0	17,628.0	17,502.0	17,309.0
Average Tariff (Nominal \$/MWh)	16.3	16.2	16.6	20.4	25.1	30.8
Annual % Change		-0.67%	2.09%	22.99%	22.99%	22.99%

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105 **Distribution Demand Profile and Tariff Path**

	2016/17	2017/18	2018/19 (1)	2019/20	2020/21	2021/22
Smoothed Revenue (Nominal \$ Million)		1,214.4	1,222.5	1,191.5	1,154.4	1,121.2
Energy Transport (GWh)		13,691.0	13,656.0	13,505.0	13,276.0	13,083.0
Average Tariff (Nominal \$/MWh)	89.7	88.7	89.5	88.2	87.0	85.7
Annual % Change		-1.11%	0.92%	-1.44%	-1.44%	-1.44%

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112 **Western Power Profile and Tariff Path**

	2016/17	2017/18	2018/19 (1)	2019/20	2020/21	2021/22
Smoothed Revenue (Nominal \$ Million)		1,501.6	1,515.1	1,550.6	1,592.9	1,654.6
Energy Transport (GWh)		31,389.0	31,319.0	31,133.0	30,778.0	30,392.0
Average Tariff (Nominal \$/MWh)	106.0	104.9	106.1	108.6	112.0	116.5
Annual % Change		-1.04%	1.10%	2.37%	3.14%	4.02%

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119 **Key Summary**

Real \$ m as at 30/06/2017	2017/18	2018/19	2019/20	2020/21	2021/22	Total
AA4 Target Revenue (Un-smoothed)	1,677.8	1,435.5	1,413.2	1,400.8	1,444.1	7,371.3
AA4 Target Revenue (smoothed)	1,474.4	1,460.8	1,468.1	1,480.9	1,510.4	7,394.7
AA3 Actual Efficient Capex Rolled into Rab	887.9	1,013.1	777.4	618.0	461.5	3,757.8
Forecast AA4 Capex	596.4	656.0	684.0	522.1	521.9	2,980.4
Forecasted AA4 Opex	360.8	356.2	355.8	362.4	356.9	1,792.0

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127 **Transmission regulated asset base (real \$ million at June 2017)**

	2017/18	2018/19	2019/20	2020/21	2021/22	AA4 Total	AA3 total with approved net capex
Opening RAB	3,108.6	3,122.8	3,183.4	3,233.5	3,224.7	3,108.6	2,816.7
Net CAPEX	124.1	176.5	172.8	120.6	120.5	714.5	1,683.8

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131	Depreciation	(-110.0)	(-115.9)	(-122.7)	(-129.3)	(-132.7)	(-610.6)	(-562.1)
132	Accelerated Depreciation	-	-	-	-	-	-	-
133	Closing RAB	3,122.8	3,183.4	3,233.5	3,224.7	3,212.5	3,212.5	3,938.4

134
135 **Distribution regulated asset base (real \$ million at June 2017)**

	2017/18	2018/19	2019/20	2020/21	2021/22	AA4 Proposed Total	AA3 total with approved net capex
136							
137	Opening RAB	5,798.4	6,008.6	6,205.6	6,433.2	6,565.6	5,798.4
138	Net CAPEX	472.3	479.4	511.2	401.5	401.4	2,265.9
139	Depreciation	(-257.7)	(-275.6)	(-279.2)	(-269.1)	(-261.9)	(-1,343.4)
140	Accelerated Depreciation	(-4.4)	(-6.9)	(-4.4)	-	-	(-15.6)
141	Closing RAB	6,008.6	6,205.6	6,433.2	6,565.6	6,705.2	6,810.4

142
143 **Transmission Revenue Cap Revenue (real \$ m at June 2017)**

	2017/18	2018/19	2019/20	2020/21	2021/22	Average Revenue
144						
145	TR (excluding K factor)	280.7	282.1	340.0	407.7	486.9
146	TX		0.48%	20.53%	19.91%	19.44%

147
148 **Distribution Revenue Cap Revenue (real \$ m at June 2017)**

	2017/18	2018/19	2019/20	2020/21	2021/22	Average Revenue
149						
150	DR (excluding TEC and K factor)	991.5	987.3	974.7	927.3	876.5
151	DX		-0.43%	-1.27%	-4.87%	-5.47%

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ERA Western Power AA4 Revenue Model, February 2019 [Post FD]

Weighted Average Cost of Capital (WACC)

	2	3	5	6	7	8	9	10	11	12	13
			AA1	AA2	AA3	AA4 WACC Draft Decision					
			Approved	Approved	Approved	17/18	18/19	19/20	20/21	21/22	
4	Determination of the Weighted Average Cost of Capital										
5						29-Mar-18					
6					15-Jun-12						
7					2.52%	2.37%	2.37%	2.37%	2.37%	2.37%	
8					0.41%	0.52%	0.52%	0.52%	0.52%	0.52%	
9					2.10%	1.84%	1.84%	1.84%	1.84%	1.84%	
10					60.00%	55%	55%	55%	55%	55%	
11					40.00%	45%	45%	45%	45%	45%	
13						2.59%	2.59%	2.59%	2.59%	2.59%	
14						0.22%	0.22%	0.22%	0.22%	0.22%	
15					2.71%	2.487%	2.49%	2.49%	2.49%	2.49%	
16					0.13%	0.100%	0.10%	0.10%	0.10%	0.10%	
17						0.114%	0.11%	0.11%	0.11%	0.11%	
18					2.83%	2.92%	2.92%	2.92%	2.92%	2.92%	
20					6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	
21					0.65	0.7	0.70	0.70	0.70	0.70	
22					30%	30%	30%	30%	30%	30%	
23					25%	50%	50%	50%	50%	50%	
24					90%	82%	82%	82%	82%	82%	
26											
27					5.35%	5.29%	5.29%	5.29%	5.29%	5.29%	
28					3.19%	3.39%	3.39%	3.39%	3.39%	3.39%	
30											
31					8.28%	7.73%	7.73%	7.73%	7.73%	7.73%	
32					6.06%	5.78%	5.78%	5.78%	5.78%	5.78%	
33					6.42%	6.57%	6.57%	6.57%	6.57%	6.57%	
34					4.23%	4.64%	4.64%	4.64%	4.64%	4.64%	
36											
37					6.53%	6.39%	6.39%	6.39%	6.39%	6.39%	
38					6.76%	7.98%	4.47%	4.47%	4.47%	4.47%	
40											
41					5.78%	5.87%	5.87%	5.87%	5.87%	5.87%	
42					3.60%	3.95%	3.95%	3.95%	3.95%	3.95%	
43											

ERA Western Power AA4 Revenue Model, February 2019 [Post FD] Distribution Input

	2	3	17	18	19	20	21	22	23	24	25	26
4 Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
5 Project Year		7	8	9	10	11	12	13	14	15	16	
6 Regulatory Period				AA3					AA4			
7 AA1 WP's Forecasted Inflation												
8 June CPI												
9 Forecast Annual Inflation												
10 Inflation Factor												
11 AA2 Actual and WP's Forecasted Inflation												
12 June CPI												
13 Actual & Forecast Annual Inflation												
14 Inflation Factor												
15 AA3 Actual and WP's Forecasted Inflation												
16 June CPI			185.8	190.5	195.2	200.1	205.1					
17 Actual & Forecast Annual Inflation			3.00%	2.50%	2.50%	2.50%	2.50%					
18 Inflation Factor			1.030	1.056	1.082	1.109	1.137					
19 AA4 Actual and Forecasted Inflation												
20		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
21 June CPI												
22 June CPI (rebased)			102.8	105.9	107.5	108.6	110.7					
23 Actual & Forecast Inflation			2.39%	3.02%	1.51%	1.02%	1.93%	1.84%	1.84%	1.84%	1.84%	1.84%
24 End of year Inflation factor			0.929	0.957	0.971	0.981	1.000	1.018	1.037	1.056	1.076	1.095
25 Initial Capital Base												
26 Distribution												
39 Asset Allocation												
105												
106 Capital Expenditure		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
107 [APPROVED] Capex by Regulatory category (\$M Real)												
108 Growth			Approved AA3 (\$M Real 30/06/2012)									
109 Capacity Expansion			56.86	61.32	68.09	68.47	76.35					
110 Customer Driven			202.89	203.65	209.36	210.84	217.39					
111 Gifted Assets			63.48	63.48	63.48	63.48	63.48					
112 Asset replacement and renewal												
113 Asset Replacement			42.10	37.29	35.11	36.59	36.72					
114 State Undergrounding Power Program (SUPP)			38.48	18.59	-	-	-					
115 Metering			13.47	44.53	44.14	40.18	16.12					
116 Smartgrid			2.48	24.02	26.59	20.19	15.60					
117 Wood Pole Management			164.55	188.37	199.11	209.82	222.28					
118 Improvement in service												
119 Reliability Driven			0.59	0.60	0.61	0.61	0.62					
120 Rural Power Improvement Program (RPIP)			-	-	-	-	-					
121 SCADA & Communications			5.15	6.33	7.00	3.89	6.97					
122 Compliance												
123 Safety, Environmental & Statutory			112.94	112.78	113.15	84.77	91.43					
124 Corporate												
125 IT			25.69	24.75	14.49	15.14	15.37					
126 Business Support			20.44	19.99	13.85	13.99	11.54					
127 Equity Raising Costs			5.02	4.30	3.45	1.44	-					
128 Total			754.14	809.99	798.44	769.43	773.87					
129 [ACTUAL] Capex by Regulatory category (\$M Nominal)												
130 Growth			Actual AA3 (post-adjustment)					Modelled AA4 (\$ Nominal)				
131 Capacity Expansion			48.47	39.33	26.15	25.44	35.49	45.04	43.39	35.99	27.71	31.04
132 Customer Driven			188.49	178.84	149.26	140.45	131.17	124.38	136.56	127.29	134.94	137.47
133 Gifted Assets			57.59	59.14	147.88	123.77	82.35	81.74	83.51	85.32	87.17	89.06
134 Asset replacement and renewal												
135 Asset Replacement			48.78	45.21	94.49	136.80	114.92	74.72	79.32	87.79	97.07	110.53
136 State Undergrounding Power Program (SUPP)			29.69	18.96	15.29	10.77	10.39	40.54	53.00	35.44	9.27	20.43
137 Metering			11.32	11.52	16.69	26.50	24.48	21.23	28.06	33.45	34.64	35.19
138 Smartgrid			0.78	0.55	1.33	-	-	-	-	-	-	-
139 Wood Pole Management			216.86	282.46	224.04	173.79	76.20	171.11	133.48	127.31	128.25	119.24
140 Improvement in service												
141 Reliability Driven			1.69	0.10	0.18	0.49	2.18	4.46	6.26	-	-	-

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD] Distribution Input

	2	3	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
5	Project Year	7	8	9	10	11	12	13	14	15	16	
6	Regulatory Period	AA3					AA4					
142	Rural Power Improvement Program (RPIP)	-	-	-	-	-	-	-	-	-	-	-
143	SCADA & Communications	3.07	2.51	3.14	3.70	5.06	3.40	3.89	4.80	4.54	4.24	
144	Compliance	-	-	-	-	-	-	-	-	-	-	
145	Safety, Environmental & Statutory	128.56	145.38	115.23	35.98	14.78	28.55	45.17	44.98	37.89	38.67	
146	Corporate	-	-	-	-	-	-	-	-	-	-	
147	IT	18.72	13.03	20.51	12.40	30.95	35.95	39.18	33.59	24.76	18.87	
148	Business Support	18.26	2.52	10.42	11.76	5.25	19.22	35.24	95.77	9.19	7.77	
149	Equity Raising Costs	5.48	4.48	3.53	1.33	-	-	-	-	-	-	
150	Total	777.77	804.03	825.47	703.18	533.22	650.34	687.05	711.75	595.42	612.53	
151	[APPROVED] Capex by Regulatory category (\$M Real at 30/06/2017)											
152	Growth	Approved AA3										
153	Capacity Expansion	62.70	67.61	75.08	75.49	84.18						
154	Customer Driven	223.70	224.54	230.84	232.47	239.69						
155	Gifted Assets	70.00	70.00	70.00	70.00	70.00						
156	Asset replacement and renewal											
157	Asset Replacement	46.42	41.12	38.72	40.35	40.48						
158	State Undergrounding Power Program (SUPP)	42.43	20.50	-	-	-						
159	Metering	14.86	49.10	48.67	44.30	17.78						
160	Smartgrid	2.73	26.49	29.32	22.26	17.20						
161	Wood Pole Management	181.43	207.69	219.53	231.34	245.08						
162	Improvement in service											
163	Reliability Driven	0.66	0.66	0.67	0.68	0.69						
164	Rural Power Improvement Program (RPIP)	-	-	-	-	-						
165	SCADA & Communications	5.68	6.98	7.72	4.29	7.68						
166	Compliance											
167	Safety, Environmental & Statutory	124.52	124.35	124.76	93.46	100.81						
168	Corporate											
169	IT	28.32	27.29	15.97	16.69	16.94						
170	Business Support	22.54	22.04	15.27	15.43	12.72						
171	Equity Raising Costs	5.53	4.74	3.80	1.59	-						
172	Total	831.51	893.09	880.35	848.36	853.26						
173	[ACTUAL] Capex by Regulatory category (\$M Real at 30/06/2017)											
174	Growth	Actual AA3_post adjustment (\$M Real at 30/06/2017)					Modelled AA4 Capex					
175	Capacity Expansion	52.20	41.11	26.93	25.93	35.49	44.23	41.84	34.07	25.76	28.34	
176	Customer Driven	202.98	186.95	153.70	143.17	131.17	122.13	131.67	120.52	125.45	125.50	
177	Gifted Assets	62.01	61.82	152.28	126.17	82.35	80.26	80.52	80.78	81.04	81.30	
178	Asset replacement and renewal											
179	Asset Replacement	52.53	47.26	97.31	139.45	114.92	73.37	76.48	83.12	90.24	100.90	
180	State Undergrounding Power Program (SUPP)	31.97	19.82	15.74	10.98	10.39	39.81	51.10	33.55	8.62	18.65	
181	Metering	12.19	12.04	17.18	27.01	24.48	20.84	27.05	31.67	32.21	32.13	
182	Smartgrid	0.84	0.57	1.37	-	-	-	-	-	-	-	
183	Wood Pole Management	233.52	295.26	230.71	177.15	76.20	168.01	128.70	120.53	119.23	108.85	
184	Improvement in service											
185	Reliability Driven	1.82	0.10	0.19	0.50	2.18	4.38	6.04	-	-	-	
186	Rural Power Improvement Program (RPIP)	-	-	-	-	-	-	-	-	-	-	
187	SCADA & Communications	3.31	2.63	3.24	3.77	5.06	3.34	3.75	4.55	4.22	3.87	
188	Compliance											
189	Safety, Environmental & Statutory	138.43	151.97	118.65	36.67	14.78	28.03	43.55	42.59	35.22	35.30	
190	Corporate											
191	IT	20.16	13.62	21.12	12.64	30.95	35.31	37.77	31.81	23.01	17.23	
192	Business Support	19.67	2.63	10.73	11.99	5.25	18.87	33.98	90.67	8.54	7.10	
193	Equity Raising Costs	5.91	4.68	3.63	1.36	-	-	-	-	-	-	
194	Total	837.54	840.48	850.04	716.78	533.22	638.59	662.45	673.86	553.54	559.16	
195	[APPROVED] Capex by asset class (\$M Real at 30/06/2017) including gifted assets	Approved AA3										
196	Wooden Pole Lines	300.49	328.70	344.62	343.80	365.47						
197	Underground Cables	135.79	123.05	114.12	114.17	119.59						
198	Transformers	214.36	207.17	204.79	197.77	203.99						
199	Switchgear	94.52	91.57	90.62	83.01	86.67						

ERA Western Power AA4 Revenue Model, February 2019 [Post FD]
Distribution Input

	2	3	17	18	19	20	21	22	23	24	25	26
4 Year Ending 30 June	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022		
5 Project Year	7	8	9	10	11	12	13	14	15	16		
6 Regulatory Period	AA3					AA4						
200 Street lighting	6.69	5.97	5.44	5.04	5.21							
201 Meters and Services	16.63	66.31	67.73	58.77	28.96							
202 IT	28.32	27.29	15.97	16.69	16.94							
203 SCADA & Communications	6.64	16.25	17.98	12.09	13.70							
204 Other Distribution Non-Network	22.54	22.04	15.27	15.43	12.72							
205 Distribution Land & Easements	-	-	-	-	-							
206 Equity Raising Costs	5.53	4.74	3.80	1.59	-							
207 Total	831.51	893.09	880.35	848.36	853.26							
208 [ACTUAL] Capex by asset class (\$M Real at 30/06/2017) including gifted asset	Actual AA3					Modelled AA4						
209 Wooden Pole Lines	350.04	409.68	332.22	239.35	126.81	227.64	195.55	180.26	172.44	163.44		
210 Underground Cables	120.00	102.52	116.74	110.05	95.47	108.61	118.99	100.46	83.77	93.18		
211 Transformers	204.40	193.87	235.96	216.18	171.26	155.82	169.01	161.92	159.56	167.79		
212 Switchgear	94.37	91.99	102.81	86.78	67.88	62.69	70.17	66.67	64.39	68.40		
213 Street lighting	6.65	6.23	7.77	7.65	6.07	5.47	6.16	5.85	5.40	6.03		
214 Meters and Services	12.73	12.41	16.29	27.01	24.48	20.84	27.05	31.67	32.21	32.13		
215 IT	20.16	13.62	21.12	12.64	30.95	35.31	37.77	31.81	23.01	17.23		
216 SCADA & Communications	3.60	2.83	2.76	3.77	5.06	3.34	3.75	4.55	4.22	3.87		
217 Other Distribution Non-Network	19.67	2.63	10.73	11.99	5.25	11.32	20.39	54.40	5.12	4.26		
218 Distribution Land & Easements	-	-	-	-	-	7.55	13.59	36.27	3.42	2.84		
219 Equity Raising Costs	5.91	4.68	3.63	1.36	-	-	-	-	-	-		
220 Total	837.54	840.48	850.04	716.78	533.22	638.59	662.45	673.86	553.54	559.16		
221 Capex Adjustment	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022		
222 Capex Adjustment (\$M Real)												
223												
247 Capex Adjustment (\$M Real 30/06/2017)												
294												
295 [ACTUAL] Post -Adjustment CAPEX by regulatory categories (\$M real 30/06/2017)	Actual AA3					Proposed AA4 (Post Adjusted Capex)						
296 Growth												
297 Capacity Expansion	52.20	41.11	26.93	25.93	35.49	44.23	41.84	34.07	25.76	28.34		
298 Customer Driven	202.98	186.95	153.70	143.17	131.17	122.13	131.67	120.52	125.45	125.50		
299 Gifted Assets	62.01	61.82	152.28	126.17	82.35	80.26	80.52	80.78	81.04	81.30		
300 Asset replacement and renewal	-	-	-	-	-	-	-	-	-	-		
301 Asset Replacement	52.53	47.26	97.31	139.45	114.92	73.37	76.48	83.12	90.24	100.90		
302 State Undergrounding Power Program (SUPP)	31.97	19.82	15.74	10.98	10.39	39.81	51.10	33.55	8.62	18.65		
303 Metering	12.19	12.04	17.18	27.01	24.48	20.84	27.05	31.67	32.21	32.13		
304 Smartgrid	0.84	0.57	-1.37	-	-	-	-	-	-	-		
305 Wood Pole Management	233.52	295.26	230.71	177.15	76.20	168.01	128.70	120.53	119.23	108.85		
306 Improvement in service	-	-	-	-	-	-	-	-	-	-		
307 Reliability Driven	1.82	0.10	0.19	0.50	2.18	4.38	6.04	-	-	-		
308 Rural Power Improvement Program (RPIP)	-	-	-	-	-	-	-	-	-	-		
309 SCADA & Communications	3.31	2.63	3.24	3.77	5.06	3.34	3.75	4.55	4.22	3.87		
310 Compliance	-	-	-	-	-	-	-	-	-	-		
311 Safety, Environmental & Statutory	138.43	151.97	118.65	36.67	14.78	28.03	43.55	42.59	35.22	35.30		
312 Corporate	-	-	-	-	-	-	-	-	-	-		
313 IT	20.16	13.62	21.12	12.64	30.95	35.31	37.77	31.81	23.01	17.23		
314 Business Support	19.67	2.63	10.73	11.99	5.25	18.87	33.98	90.67	8.54	7.10		
315 Equity Raising Costs	5.91	4.68	3.63	1.36	-	-	-	-	-	-		
316 Total	837.54	840.48	850.04	716.78	533.22	638.59	662.45	673.86	553.54	559.16		
317 [ACTUAL] Post -Adjustment CAPEX by asset class (\$M real 30/06/2017)	Actual AA3					Proposed AA4 (Post Adjusted Capex)						
318 Wooden Pole Lines	350.04	409.68	332.22	239.35	126.81	227.64	195.55	180.26	172.44	163.44		
319 Underground Cables	120.00	102.52	116.74	110.05	95.47	108.61	118.99	100.46	83.77	93.18		
320 Transformers	204.40	193.87	235.96	216.18	171.26	155.82	169.01	161.92	159.56	167.79		
321 Switchgear	94.37	91.99	102.81	86.78	67.88	62.69	70.17	66.67	64.39	68.40		
322 Street lighting	6.65	6.23	7.77	7.65	6.07	5.47	6.16	5.85	5.40	6.03		
323 Meters and Services	12.73	12.41	16.29	27.01	24.48	20.84	27.05	31.67	32.21	32.13		
324 IT	20.16	13.62	21.12	12.64	30.95	35.31	37.77	31.81	23.01	17.23		
325 SCADA & Communications	3.60	2.83	2.76	3.77	5.06	3.34	3.75	4.55	4.22	3.87		
326 Other Distribution Non-Network	19.67	2.63	10.73	11.99	5.25	11.32	20.39	54.40	5.12	4.26		

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]
Distribution Input

	2	3	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5	Project Year		7	8	9	10	11	12	13	14	15	16
6	Regulatory Period		AA3					AA4				
327	Distribution Land & Easements		-	-	-	-	-	7.55	13.59	36.27	3.42	2.84
328	Equity Raising Costs		5.91	4.68	3.63	1.36	-	-	-	-	-	-
329	Total		837.54	840.48	850.04	716.78	533.22	638.59	662.45	673.86	553.54	559.16
330	Gifted Asset		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
331	[APPROVED] Gifted Assets (\$M real 2012)		Approved AA3									
332	Wooden Pole Lines		8.23	8.23	8.23	8.23	8.23					
333	Underground Cables		15.59	15.59	15.59	15.59	15.59					
334	Transformers		30.52	30.52	30.52	30.52	30.52					
335	Switchgear		8.70	8.70	8.70	8.70	8.70					
336	Street lighting		0.44	0.44	0.44	0.44	0.44					
337	Meters and Services		-	-	-	-	-					
338	IT		-	-	-	-	-					
339	SCADA & Communications		-	-	-	-	-					
340	Other Distribution Non-Network		-	-	-	-	-					
341	Distribution Land & Easements		-	-	-	-	-					
342	Equity Raising Costs		-	-	-	-	-					
343	Total		63.48	63.48	63.48	63.48	63.48					
344	[ACTUAL] Gifted Assets (\$Nominal)		Actual AA3									
345	Wooden Pole Lines		7.46	7.66	19.17	16.04	10.67					
346	Underground Cables		14.15	14.53	36.33	30.41	20.23					
347	Transformers		27.68	28.43	71.09	59.50	39.59					
348	Switchgear		7.89	8.11	20.27	16.96	11.29					
349	Street lighting		0.40	0.41	1.03	0.86	0.57					
350	Meters and Services		-	-	-	-	-					
351	IT		-	-	-	-	-					
352	SCADA & Communications		-	-	-	-	-					
353	Other Distribution Non-Network		-	-	-	-	-					
354	Distribution Land & Easements		-	-	-	-	-					
355	Equity Raising Costs		-	-	-	-	-					
356	Total		57.59	59.14	147.88	123.77	82.35					
357	[APPROVED] Gifted Assets (\$M real 30/06/2017)		Approved AA3									
358	Wooden Pole Lines		9.07	9.07	9.07	9.07	9.07					
359	Underground Cables		17.19	17.19	17.19	17.19	17.19					
360	Transformers		33.65	33.65	33.65	33.65	33.65					
361	Switchgear		9.59	9.59	9.59	9.59	9.59					
362	Street lighting		0.49	0.49	0.49	0.49	0.49					
363	Meters and Services		-	-	-	-	-					
364	IT		-	-	-	-	-					
365	SCADA & Communications		-	-	-	-	-					
366	Other Distribution Non-Network		-	-	-	-	-					
367	Distribution Land & Easements		-	-	-	-	-					
368	Equity Raising Costs		-	-	-	-	-					
369	Total		70.00	70.00	70.00	70.00	70.00					
370	[ACTUAL] Gifted Assets (\$M real 30/06/2017)		Actual AA3					Modelled AA4				
371	Wooden Pole Lines		8.04	8.01	19.74	16.35	10.67	10.40	10.44	10.47	10.50	10.54
372	Underground Cables		15.23	15.19	37.41	30.99	20.23	19.72	19.78	19.84	19.91	19.97
373	Transformers		29.81	29.72	73.21	60.65	39.59	38.58	38.71	38.83	38.96	39.09
374	Switchgear		8.50	8.47	20.87	17.29	11.29	11.00	11.04	11.07	11.11	11.14
375	Street lighting		0.43	0.43	1.06	0.88	0.57	0.56	0.56	0.56	0.56	0.56
376	Meters and Services		-	-	-	-	-	-	-	-	-	-
377	IT		-	-	-	-	-	-	-	-	-	-
378	SCADA & Communications		-	-	-	-	-	-	-	-	-	-
379	Other Distribution Non-Network		-	-	-	-	-	-	-	-	-	-
380	Distribution Land & Easements		-	-	-	-	-	-	-	-	-	-
381	Equity Raising Costs		-	-	-	-	-	-	-	-	-	-
382	Total		62.01	61.82	152.28	126.17	82.35	80.26	80.52	80.78	81.04	81.30
383	Owners Capex		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
384	[APPROVED] Owner's capex		Approved AA3									

ERA Western Power AA4 Revenue Model, February 2019 [Post FD] Distribution Input

	2	3	17	18	19	20	21	22	23	24	25	26
4 Year Ending 30 June	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022		
5 Project Year	7	8	9	10	11	12	13	14	15	16		
6 Regulatory Period	AA3					AA4						
385	Wooden Pole Lines	291.42	319.63	335.55	334.73	356.40						
386	Underground Cables	118.59	105.86	96.92	96.98	102.39						
387	Transformers	180.71	173.52	171.14	164.12	170.34						
388	Switchgear	84.93	81.98	81.03	73.42	77.08						
389	Street lighting	6.21	5.48	4.95	4.55	4.73						
390	Meters and Services	16.63	66.31	67.73	58.77	28.96						
391	IT	28.32	27.29	15.97	16.69	16.94						
392	SCADA & Communications	6.64	16.25	17.98	12.09	13.70						
393	Other Distribution Non-Network	22.54	22.04	15.27	15.43	12.72						
394	Distribution Land & Easements	-	-	-	-	-						
395	Equity Raising Costs	5.53	4.74	3.80	1.59	-						
396	Total	761.51	823.09	810.35	778.37	783.26						
397	[ACTUAL]Owner's capex (\$M real 2017) i.e. post-adjusted actual capex - gifted			Actual AA3				Modelled AA4				
398	Wooden Pole Lines	342.01	401.67	312.48	223.00	116.13	217.23	185.11	169.79	161.94	152.91	
399	Underground Cables	104.77	87.34	79.33	79.06	75.24	88.89	99.22	80.62	63.86	73.20	
400	Transformers	174.59	164.15	162.76	155.53	131.67	117.24	130.30	123.09	120.60	128.71	
401	Switchgear	85.88	83.52	81.94	69.49	56.59	51.69	59.14	55.60	53.28	57.26	
402	Street lighting	6.21	5.80	6.72	6.78	5.50	4.91	5.60	5.29	4.83	5.46	
403	Meters and Services	12.73	12.41	16.29	27.01	24.48	20.84	27.05	31.67	32.21	32.13	
404	IT	20.16	13.62	21.12	12.64	30.95	35.31	37.77	31.81	23.01	17.23	
405	SCADA & Communications	3.60	2.83	2.76	3.77	5.06	3.34	3.75	4.55	4.22	3.87	
406	Other Distribution Non-Network	19.67	2.63	10.73	11.99	5.25	11.32	20.39	54.40	5.12	4.26	
407	Distribution Land & Easements	-	-	-	-	-	7.55	13.59	36.27	3.42	2.84	
408	Equity Raising Costs	5.91	4.68	3.63	1.36	-	-	-	-	-	-	
409	Total	775.52	778.66	697.76	590.61	450.87	558.33	581.93	593.08	472.50	477.86	
410												
411	Cash Contributions	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
412	[APPROVED]Cash Contributions (\$M real)											
413	Growth			Approved AA3 (real\$2012)								
414	Capacity Expansion											
415	Customer Driven	73.46	74.68	78.65	80.78	84.60						
416	Gifted Assets											
417	Asset replacement and renewal											
418	Asset Replacement											
419	State Undergrounding Power Program (SUPP)	29.40	14.20	-	-	-						
420	Metering											
421	Smartgrid											
422	Wood Pole Management											
423	Improvement in service											
424	Reliability Driven											
425	Rural Power Improvement Program (RPIP)											
426	SCADA & Communications											
427	Compliance											
428	Safety, Environmental & Statutory											
429	Corporate											
430	IT											
431	Business Support											
432	Equity Raising Costs											
433	Total	102.86	88.88	78.65	80.78	84.60						
434	[ACTUAL]Cash Contributions (\$M OD)											
435	Growth			Actual AA3								
436	Capacity Expansion	0.00	0.01	-	-	-						
437	Customer Driven	75.31	89.41	63.23	81.32	84.95						
438	Gifted Assets											
439	Asset replacement and renewal											
440	Asset Replacement	-	0.07	0.29	-	0.05	0.03					
441	State Undergrounding Power Program (SUPP)	14.32	10.04	9.49	6.10	5.35						
442	Metering	0.42	3.04	4.14	3.44	3.11						

ERA Western Power AA4 Revenue Model, February 2019 [Post FD]
Distribution Input

	2	3	17	18	19	20	21	22	23	24	25	26
4 Year Ending 30 June	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022		
5 Project Year	7	8	9	10	11	12	13	14	15	16		
6 Regulatory Period	AA3					AA4						
443 Smartgrid	-	-	-	-	-	-	-	-	-	-	-	-
444 Wood Pole Management	-	-	-	-	-	-	-	-	-	-	-	-
445 Improvement in service	-	-	-	-	-	-	-	-	-	-	-	-
446 Reliability Driven	-	-	-	-	-	-	-	-	-	-	-	-
447 Rural Power Improvement Program (RPIP)	-	-	-	-	-	-	-	-	-	-	-	-
448 SCADA & Communications	-	-	-	-	-	-	-	-	-	-	-	-
449 Compliance	-	-	-	-	-	-	-	-	-	-	-	-
450 Safety, Environmental & Statutory	-	-	0.07	-	0.01	-	-	-	-	-	-	-
451 Corporate	-	-	-	-	-	-	-	-	-	-	-	-
452 IT	-	-	-	-	-	-	-	-	-	-	-	-
453 Business Support	-	-	-	-	-	-	-	-	-	-	-	-
454 Equity Raising Costs	-	-	-	-	-	-	-	-	-	-	-	-
455 Total	90.06	102.57	77.22	90.80	93.44	-	-	-	-	-	-	-
456 [APPROVED]Cash Contributions (\$M real 30/06/2017)												
457 Growth	Approved AA3											
458 Capacity Expansion	-	-	-	-	-	-	-	-	-	-	-	-
459 Customer Driven	80.99	82.34	86.72	89.07	93.28	-	-	-	-	-	-	-
460 Gifted Assets	-	-	-	-	-	-	-	-	-	-	-	-
461 Asset replacement and renewal	-	-	-	-	-	-	-	-	-	-	-	-
462 Asset Replacement	-	-	-	-	-	-	-	-	-	-	-	-
463 State Undergrounding Power Program (SUPP)	32.42	15.66	-	-	-	-	-	-	-	-	-	-
464 Metering	-	-	-	-	-	-	-	-	-	-	-	-
465 Smartgrid	-	-	-	-	-	-	-	-	-	-	-	-
466 Wood Pole Management	-	-	-	-	-	-	-	-	-	-	-	-
467 Improvement in service	-	-	-	-	-	-	-	-	-	-	-	-
468 Reliability Driven	-	-	-	-	-	-	-	-	-	-	-	-
469 Rural Power Improvement Program (RPIP)	-	-	-	-	-	-	-	-	-	-	-	-
470 SCADA & Communications	-	-	-	-	-	-	-	-	-	-	-	-
471 Compliance	-	-	-	-	-	-	-	-	-	-	-	-
472 Safety, Environmental & Statutory	-	-	-	-	-	-	-	-	-	-	-	-
473 Corporate	-	-	-	-	-	-	-	-	-	-	-	-
474 IT	-	-	-	-	-	-	-	-	-	-	-	-
475 Business Support	-	-	-	-	-	-	-	-	-	-	-	-
476 Equity Raising Costs	-	-	-	-	-	-	-	-	-	-	-	-
477 Total	113.41	97.99	86.72	89.07	93.28	-	-	-	-	-	-	-
478 [ACTUAL]Cash Contributions (\$M real 30/06/2017)												
479 Growth	Actual AA3					Modelled AA4						
480 Capacity Expansion	0.00	0.01	-	-	-	-	-	-	-	-	-	-
481 Customer Driven	81.10	93.46	65.11	82.89	84.95	61.07	71.44	60.26	62.72	62.75	-	-
482 Gifted Assets	-	-	-	-	-	-	-	-	-	-	-	-
483 Asset replacement and renewal	-	-	-	-	-	-	-	-	-	-	-	-
484 Asset Replacement	-	0.08	0.30	-0.05	0.03	-	-	-	-	-	-	-
485 State Undergrounding Power Program (SUPP)	15.42	10.49	9.78	6.22	5.35	21.50	27.60	18.12	4.65	10.07	-	-
486 Metering	0.45	3.17	4.26	3.51	3.11	3.51	3.46	3.46	3.60	3.60	-	-
487 Smartgrid	-	-	-	-	-	-	-	-	-	-	-	-
488 Wood Pole Management	-	-	-	-	-	-	-	-	-	-	-	-
489 Improvement in service	-	-	-	-	-	-	-	-	-	-	-	-
490 Reliability Driven	-	-	-	-	-	-	-	-	-	-	-	-
491 Rural Power Improvement Program (RPIP)	-	-	-	-	-	-	-	-	-	-	-	-
492 SCADA & Communications	-	-	-	-	-	-	-	-	-	-	-	-
493 Compliance	-	-	-	-	-	-	-	-	-	-	-	-
494 Safety, Environmental & Statutory	-	-	0.08	-0.01	-	-	-	-	-	-	-	-
495 Corporate	-	-	-	-	-	-	-	-	-	-	-	-
496 IT	-	-	-	-	-	-	-	-	-	-	-	-
497 Business Support	-	-	-	-	-	-	-	-	-	-	-	-
498 Equity Raising Costs	-	-	-	-	-	-	-	-	-	-	-	-
499 Total	96.98	107.22	79.51	92.56	93.44	86.07	102.50	81.84	70.98	76.42	-	-
500 [APPROVED] Cash Contributions by asset class(\$M real 30/06/2017)	Approved AA3											

ERA Western Power AA4 Revenue Model, February 2019 [Post FD]

Distribution Input

	2	3	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
5	Project Year	7	8	9	10	11	12	13	14	15	16	
6	Regulatory Period	AA3					AA4					
501	Wooden Pole Lines	10.96	10.90	11.24	11.54	12.09						
502	Underground Cables	40.45	30.15	21.30	21.88	22.92						
503	Transformers	46.58	43.27	41.69	42.82	44.84						
504	Switchgear	14.06	12.71	11.89	12.21	12.79						
505	Street lighting	1.37	0.96	0.60	0.62	0.65						
506	Meters and Services	-	-	-	-	-						
507	IT	-	-	-	-	-						
508	SCADA & Communications	-	-	-	-	-						
509	Other Distribution Non-Network	-	-	-	-	-						
510	Distribution Land & Easements	-	-	-	-	-						
511	Equity Raising Costs	-	-	-	-	-						
512	Total	113.41	97.99	86.72	89.07	93.28						
513	[ACTUAL] Cash Contributions by asset class(\$M real 30/06/2017)			Actual AA3					Modelled AA4			
514	Wooden Pole Lines	10.7	12.3	8.6	10.8	11.1	8.22	9.65	8.07	8.20	8.28	
515	Underground Cables	29.7	29.6	22.2	24.3	24.3	28.63	35.05	26.29	18.36	21.80	
516	Transformers	42.6	47.4	33.8	41.3	42.1	34.42	40.85	33.24	31.25	32.54	
517	Switchgear	12.5	13.8	9.9	11.9	12.1	10.33	12.31	9.91	9.02	9.52	
518	Street lighting	0.9	0.9	0.7	0.7	0.7	0.96	1.18	0.87	0.55	0.69	
519	Meters and Services	0.4	3.2	4.3	3.5	3.1	3.51	3.46	3.46	3.60	3.60	
520	IT	-	-	-	-	-	-	-	-	-	-	
521	SCADA & Communications	-	-	-	-	-	-	-	-	-	-	
522	Other Distribution Non-Network	-	-	-	-	-	-	-	-	-	-	
523	Distribution Land & Easements	-	-	-	-	-	-	-	-	-	-	
524	Equity Raising Costs	-	-	-	-	-	-	-	-	-	-	
525	Total	97.0	107.2	79.5	92.6	93.4	86.07	102.50	81.84	70.98	76.42	
526												
527	Approved ICB Depreciation	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
528	[APPROVED] ICB Depreciation (\$M real 2012)			Approved AA3								
529	Wooden Pole Lines	-36.25	-35.90	-35.85	-35.85	-35.85						
530	Underground Cables	-16.96	-16.96	-16.96	-16.96	-16.96						
531	Transformers	-13.72	-13.65	-13.64	-13.64	-13.64						
532	Switchgear	-9.28	-9.25	-9.25	-9.25	-9.25						
533	Street lighting	-	-	-	-	-						
534	Meters and Services	-21.38	-21.38	-21.38	-4.28	-						
535	IT	-1.59	-1.59	-1.59	-1.28	-						
536	SCADA & Communications	-1.47	-1.47	-1.47	-1.47	-0.29						
537	Other Distribution Non-Network	-5.30	-5.30	-5.30	-5.30	-5.30						
538	Distribution Land & Easements	-	-	-	-	-						
539	Equity Raising Costs	-	-	-	-	-						
540	Total	-105.94	-105.50	-105.43	-88.01	-81.28						
541	[APPROVED] ICB Depreciation (\$M real 2017)											
542	Wooden Pole Lines	-39.96	-39.59	-39.53	-39.53	-39.53						
543	Underground Cables	-18.70	-18.70	-18.70	-18.70	-18.70						
544	Transformers	-15.12	-15.05	-15.04	-15.04	-15.04						
545	Switchgear	-10.23	-10.20	-10.19	-10.19	-10.19						
546	Street lighting	-	-	-	-	-						
547	Meters and Services	-23.57	-23.57	-23.57	-4.71	-						
548	IT	-1.76	-1.76	-1.76	-1.41	-						
549	SCADA & Communications	-1.62	-1.62	-1.62	-1.62	-0.32						
550	Other Distribution Non-Network	-5.84	-5.84	-5.84	-5.84	-5.84						
551	Distribution Land & Easements	-	-	-	-	-						
552	Equity Raising Costs	-	-	-	-	-						
553	Total	-116.81	-116.32	-116.25	-97.04	-89.62						
554	Approved TAX ICB Depreciation	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
555	[APPROVED] TAX ICB Depreciation (\$M Nominal)			Approved AA3								
556	Wooden Pole Lines	-58.57	-59.74	-58.87	-58.59	-57.92						
557	Underground Cables	-0.45	-2.18	-2.15	-2.14	-2.12						
558	Transformers	-0.16	-0.80	-0.78	-0.78	-0.77						

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD] Distribution Input

	2	3	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
5	Project Year	7	8	9	10	11	12	13	14	15	16	
6	Regulatory Period	AA3					AA4					
559	Switchgear	-0.17	-0.85	-0.83	-0.83	-0.82						
560	Street lighting	-2.10	-2.75	-2.71	-2.70	-2.67						
561	Meters and Services	-0.01	-0.13	-0.13	-0.13	-0.12						
562	IT	-1.87	-7.71	-7.59	-7.57	-5.77						
563	SCADA & Communications	-2.00	-2.16	-1.72	-1.35	-1.31						
564	Other Distribution Non-Network	-18.45	-8.63	-6.08	-5.90	-5.76						
565	Distribution Land & Easements	-	-	-	-	-						
566	Equity Raising Costs											
567	Total	-83.77	-84.93	-80.86	-80.00	-77.28						
568	Approved CAPEX Depreciation	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
569	Total Approved Capex Depreciation											
570	Wooden Pole Lines	-21.16	-27.36	-34.19	-41.36	-48.51						
571	Underground Cables	-15.40	-16.58	-17.73	-18.87	-20.01						
572	Transformers	-9.46	-12.94	-16.32	-19.67	-22.81						
573	Switchgear	-9.40	-11.23	-13.03	-14.82	-16.41						
574	Street lighting	-5.07	-5.29	-5.49	-5.69	-5.87						
575	Meters and Services	-3.27	-3.87	-6.28	-8.73	-10.87						
576	IT	-13.42	-17.70	-21.83	-24.24	-26.76						
577	SCADA & Communications	-1.75	-2.34	-3.79	-5.40	-6.48						
578	Other Distribution Non-Network	-9.27	-11.28	-13.25	-14.61	-15.99						
579	Distribution Land & Easements	0.00	0.00	0.00	0.00	0.00						
580	Equity Raising Costs	0.00	-0.11	-0.21	-0.29	-0.32						
581	Total	-88.19	-108.71	-132.11	-153.69	-174.02						
582	[APPROVED] 2006 CAPEX Depreciation (\$M real 2012)											
583	Wooden Pole Lines	-2.28	-2.28	-2.28	-2.28	-2.28						
584	Underground Cables	-2.95	-2.95	-2.95	-2.95	-2.95						
585	Transformers	-1.68	-1.68	-1.68	-1.68	-1.68						
586	Switchgear	-1.29	-1.29	-1.29	-1.29	-1.29						
587	Street lighting	-0.89	-0.89	-0.89	-0.89	-0.89						
588	Meters and Services	-0.46	-0.46	-0.46	-0.46	-0.46						
589	IT	-1.71	-1.71	-1.71	-1.71	-1.71						
590	SCADA & Communications	-0.23	-0.23	-0.23	-0.23	-0.23						
591	Other Distribution Non-Network	-0.79	-0.79	-0.79	-0.79	-0.79						
592	Distribution Land & Easements	-	-	-	-	-						
593	Equity Raising Costs	-	-	-	-	-						
594	Total	-12.27	-12.27	-12.27	-12.27	-12.27						
595	[APPROVED]2006 CAPEX Depreciation (\$M real 2017)											
596	Wooden Pole Lines	-2.51	-2.51	-2.51	-2.51	-2.51						
597	Underground Cables	-3.26	-3.26	-3.26	-3.26	-3.26						
598	Transformers	-1.85	-1.85	-1.85	-1.85	-1.85						
599	Switchgear	-1.43	-1.43	-1.43	-1.43	-1.43						
600	Street lighting	-0.98	-0.98	-0.98	-0.98	-0.98						
601	Meters and Services	-0.50	-0.50	-0.50	-0.50	-0.50						
602	IT	-1.89	-1.89	-1.89	-1.89	-1.89						
603	SCADA & Communications	-0.25	-0.25	-0.25	-0.25	-0.25						
604	Other Distribution Non-Network	-0.87	-0.87	-0.87	-0.87	-0.87						
605	Distribution Land & Easements	-	-	-	-	-						
606	Equity Raising Costs	-	-	-	-	-						
607	Total	-13.53	-13.53	-13.53	-13.53	-13.53						
608	[APPROVED]2007 CAPEX Depreciation (\$M real 2012)											
609	Wooden Pole Lines	-2.76	-2.76	-2.76	-2.76	-2.76						
610	Underground Cables	-2.82	-2.82	-2.82	-2.82	-2.82						
611	Transformers	-1.60	-1.60	-1.60	-1.60	-1.60						
612	Switchgear	-1.46	-1.46	-1.46	-1.46	-1.46						
613	Street lighting	-0.86	-0.86	-0.86	-0.86	-0.86						
614	Meters and Services	-0.49	-0.49	-0.49	-0.49	-0.49						
615	IT	-3.44	-3.44	-3.44	-3.44	-3.44						
616	SCADA & Communications	-0.23	-0.23	-0.23	-0.23	-0.23						

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD] Distribution Input

	2	3	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5	Project Year		7	8	9	10	11	12	13	14	15	16
6	Regulatory Period				AA3					AA4		
617	Other Distribution Non-Network		-0.79	-0.79	-0.79	-0.79	-0.79					
618	Distribution Land & Easements		-	-	-	-	-					
619	Equity Raising Costs		-	-	-	-	-					
620	Total		-14.45	-14.45	-14.45	-14.45	-14.45					
621	[APPROVED]2007 CAPEX Depreciation (\$M real 2017)											
622	Wooden Pole Lines		-3.04	-3.04	-3.04	-3.04	-3.04					
623	Underground Cables		-3.10	-3.10	-3.10	-3.10	-3.10					
624	Transformers		-1.76	-1.76	-1.76	-1.76	-1.76					
625	Switchgear		-1.61	-1.61	-1.61	-1.61	-1.61					
626	Street lighting		-0.95	-0.95	-0.95	-0.95	-0.95					
627	Meters and Services		-0.54	-0.54	-0.54	-0.54	-0.54					
628	IT		-3.79	-3.79	-3.79	-3.79	-3.79					
629	SCADA & Communications		-0.26	-0.26	-0.26	-0.26	-0.26					
630	Other Distribution Non-Network		-0.88	-0.88	-0.88	-0.88	-0.88					
631	Distribution Land & Easements		-	-	-	-	-					
632	Equity Raising Costs		-	-	-	-	-					
633	Total		-15.93	-15.93	-15.93	-15.93	-15.93					
634	[APPROVED]2008 CAPEX Depreciation (\$M real 2012)											
635	Wooden Pole Lines		-3.84	-3.84	-3.84	-3.84	-3.84					
636	Underground Cables		-3.85	-3.85	-3.85	-3.85	-3.85					
637	Transformers		-2.29	-2.29	-2.29	-2.29	-2.29					
638	Switchgear		-2.09	-2.09	-2.09	-2.09	-2.09					
639	Street lighting		-1.27	-1.27	-1.27	-1.27	-1.27					
640	Meters and Services		-0.55	-0.55	-0.55	-0.55	-0.55					
641	IT		-1.99	-1.99	-1.99	-1.99	-1.99					
642	SCADA & Communications		-0.23	-0.23	-0.23	-0.23	-0.23					
643	Other Distribution Non-Network		-2.36	-2.36	-2.36	-2.36	-2.36					
644	Distribution Land & Easements		-	-	-	-	-					
645	Equity Raising Costs		-	-	-	-	-					
646	Total		-18.44	-18.44	-18.44	-18.44	-18.44					
647	[APPROVED]2008 CAPEX Depreciation (\$M real 2017)											
648	Wooden Pole Lines		-4.23	-4.23	-4.23	-4.23	-4.23					
649	Underground Cables		-4.24	-4.24	-4.24	-4.24	-4.24					
650	Transformers		-2.52	-2.52	-2.52	-2.52	-2.52					
651	Switchgear		-2.30	-2.30	-2.30	-2.30	-2.30					
652	Street lighting		-1.40	-1.40	-1.40	-1.40	-1.40					
653	Meters and Services		-0.60	-0.60	-0.60	-0.60	-0.60					
654	IT		-2.19	-2.19	-2.19	-2.19	-2.19					
655	SCADA & Communications		-0.25	-0.25	-0.25	-0.25	-0.25					
656	Other Distribution Non-Network		-2.60	-2.60	-2.60	-2.60	-2.60					
657	Distribution Land & Easements		-	-	-	-	-					
658	Equity Raising Costs		-	-	-	-	-					
659	Total		-20.33	-20.33	-20.33	-20.33	-20.33					
660	[APPROVED]2009 CAPEX Depreciation (\$M real 2012)											
661	Wooden Pole Lines		-3.56	-3.56	-3.56	-3.56	-3.56					
662	Underground Cables		-2.21	-2.21	-2.21	-2.21	-2.21					
663	Transformers		-1.35	-1.35	-1.35	-1.35	-1.35					
664	Switchgear		-1.42	-1.42	-1.42	-1.42	-1.42					
665	Street lighting		-0.72	-0.72	-0.72	-0.72	-0.72					
666	Meters and Services		-0.46	-0.46	-0.46	-0.46	-0.46					
667	IT		-1.23	-1.23	-1.23	-1.23	-1.23					
668	SCADA & Communications		-0.29	-0.29	-0.29	-0.29	-0.29					
669	Other Distribution Non-Network		-1.09	-1.09	-1.09	-1.09	-1.09					
670	Distribution Land & Easements		-	-	-	-	-					
671	Equity Raising Costs		-	-	-	-	-					
672	Total		-12.34	-12.34	-12.34	-12.34	-12.34					
673	[APPROVED]2009 CAPEX Depreciation (\$M real 2017)											
674	Wooden Pole Lines		-3.93	-3.93	-3.93	-3.93	-3.93					

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Distribution Input

	2	3	17	18	19	20	21	22	23	24	25	26	
4	Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
5	Project Year		7	8	9	10	11	12	13	14	15	16	
6	Regulatory Period		AA3					AA4					
675	Underground Cables		-2.44	-2.44	-2.44	-2.44	-2.44						
676	Transformers		-1.49	-1.49	-1.49	-1.49	-1.49						
677	Switchgear		-1.56	-1.56	-1.56	-1.56	-1.56						
678	Street lighting		-0.79	-0.79	-0.79	-0.79	-0.79						
679	Meters and Services		-0.51	-0.51	-0.51	-0.51	-0.51						
680	IT		-1.35	-1.35	-1.35	-1.35	-1.35						
681	SCADA & Communications		-0.32	-0.32	-0.32	-0.32	-0.32						
682	Other Distribution Non-Network		-1.21	-1.21	-1.21	-1.21	-1.21						
683	Distribution Land & Easements		-	-	-	-	-						
684	Equity Raising Costs		-	-	-	-	-						
685	Total		-13.61	-13.61	-13.61	-13.61	-13.61						
686	[APPROVED]2010 CAPEX Depreciation (\$M real 2012)												
687	Wooden Pole Lines		-3.37	-3.37	-3.37	-3.37	-3.37						
688	Underground Cables		-1.97	-1.97	-1.97	-1.97	-1.97						
689	Transformers		-1.32	-1.32	-1.32	-1.32	-1.32						
690	Switchgear		-1.39	-1.39	-1.39	-1.39	-1.39						
691	Street lighting		-0.72	-0.72	-0.72	-0.72	-0.72						
692	Meters and Services		-0.65	-0.65	-0.65	-0.65	-0.65						
693	IT		-2.18	-2.18	-2.18	-2.18	-2.18						
694	SCADA & Communications		-0.29	-0.29	-0.29	-0.29	-0.29						
695	Other Distribution Non-Network		-2.00	-2.00	-2.00	-2.00	-2.00						
696	Distribution Land & Easements		-	-	-	-	-						
697	Equity Raising Costs		-	-	-	-	-						
698	Total		-13.89	-13.89	-13.89	-13.89	-13.89						
699	[APPROVED]2010 CAPEX Depreciation (\$M real 2017)												
700	Wooden Pole Lines		-3.72	-3.72	-3.72	-3.72	-3.72						
701	Underground Cables		-2.18	-2.18	-2.18	-2.18	-2.18						
702	Transformers		-1.45	-1.45	-1.45	-1.45	-1.45						
703	Switchgear		-1.54	-1.54	-1.54	-1.54	-1.54						
704	Street lighting		-0.79	-0.79	-0.79	-0.79	-0.79						
705	Meters and Services		-0.72	-0.72	-0.72	-0.72	-0.72						
706	IT		-2.40	-2.40	-2.40	-2.40	-2.40						
707	SCADA & Communications		-0.32	-0.32	-0.32	-0.32	-0.32						
708	Other Distribution Non-Network		-2.20	-2.20	-2.20	-2.20	-2.20						
709	Distribution Land & Easements		-	-	-	-	-						
710	Equity Raising Costs		-	-	-	-	-						
711	Total		-15.32	-15.32	-15.32	-15.32	-15.32						
712	[APPROVED]2011 CAPEX Depreciation (\$M real 2012)												
713	Wooden Pole Lines		-5.35	-5.35	-5.35	-5.35	-5.35						
714	Underground Cables		-1.60	-1.60	-1.60	-1.60	-1.60						
715	Transformers		-1.24	-1.24	-1.24	-1.24	-1.24						
716	Switchgear		-1.74	-1.74	-1.74	-1.74	-1.74						
717	Street lighting		-0.61	-0.61	-0.61	-0.61	-0.61						
718	Meters and Services		-0.67	-0.67	-0.67	-0.67	-0.67						
719	IT		-2.88	-2.88	-2.88	-2.88	-2.88						
720	SCADA & Communications		-0.49	-0.49	-0.49	-0.49	-0.49						
721	Other Distribution Non-Network		-2.24	-2.24	-2.24	-2.24	-2.24						
722	Distribution Land & Easements		-	-	-	-	-						
723	Equity Raising Costs		-	-	-	-	-						
724	Total		-16.80	-16.80	-16.80	-16.80	-16.80						
725	[APPROVED]2011 CAPEX Depreciation (\$M real 2017)												
726	Wooden Pole Lines		-5.90	-5.90	-5.90	-5.90	-5.90						
727	Underground Cables		-1.76	-1.76	-1.76	-1.76	-1.76						
728	Transformers		-1.36	-1.36	-1.36	-1.36	-1.36						
729	Switchgear		-1.92	-1.92	-1.92	-1.92	-1.92						
730	Street lighting		-0.67	-0.67	-0.67	-0.67	-0.67						
731	Meters and Services		-0.73	-0.73	-0.73	-0.73	-0.73						
732	IT		-3.17	-3.17	-3.17	-3.17	-3.17						

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]
Distribution Input

	2	3	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5	Project Year		7	8	9	10	11	12	13	14	15	16
6	Regulatory Period				AA3					AA4		
733	SCADA & Communications		-0.54	-0.54	-0.54	-0.54	-0.54					
734	Other Distribution Non-Network		-2.47	-2.47	-2.47	-2.47	-2.47					
735	Distribution Land & Easements		-	-	-	-	-					
736	Equity Raising Costs		-	-	-	-	-					
737	Total		-18.52	-18.52	-18.52	-18.52	-18.52					
738	[APPROVED]2012 CAPEX Depreciation (\$M real 2012)											
739	Wooden Pole Lines		-	-6.20	-6.20	-6.20	-6.20					
740	Underground Cables		-	-1.18	-1.18	-1.18	-1.18					
741	Transformers		-	-3.48	-3.48	-3.48	-3.48					
742	Switchgear		-	-1.84	-1.84	-1.84	-1.84					
743	Street lighting		-	-0.22	-0.22	-0.22	-0.22					
744	Meters and Services		-	-0.60	-0.60	-0.60	-0.60					
745	IT		-	-4.28	-4.28	-4.28	-4.28					
746	SCADA & Communications		-	-0.59	-0.59	-0.59	-0.59					
747	Other Distribution Non-Network		-	-2.01	-2.01	-2.01	-2.01					
748	Distribution Land & Easements		-	-	-	-	-					
749	Equity Raising Costs		-	-0.11	-0.11	-0.11	-0.11					
750	Total		-	-20.52	-20.52	-20.52	-20.52					
751	[APPROVED]2012 CAPEX Depreciation (\$M real 2017)											
752	Wooden Pole Lines		-	-6.84	-6.84	-6.84	-6.84					
753	Underground Cables		-	-1.30	-1.30	-1.30	-1.30					
754	Transformers		-	-3.83	-3.83	-3.83	-3.83					
755	Switchgear		-	-2.02	-2.02	-2.02	-2.02					
756	Street lighting		-	-0.24	-0.24	-0.24	-0.24					
757	Meters and Services		-	-0.67	-0.67	-0.67	-0.67					
758	IT		-	-4.72	-4.72	-4.72	-4.72					
759	SCADA & Communications		-	-0.65	-0.65	-0.65	-0.65					
760	Other Distribution Non-Network		-	-2.22	-2.22	-2.22	-2.22					
761	Distribution Land & Easements		-	-	-	-	-					
762	Equity Raising Costs		-	-0.13	-0.13	-0.13	-0.13					
763	Total		-	-22.62	-22.62	-22.62	-22.62					
764	[APPROVED]2013 CAPEX Depreciation (\$M real 2012)											
765	Wooden Pole Lines		-	-	-6.83	-6.83	-6.83					
766	Underground Cables		-	-	-1.14	-1.14	-1.14					
767	Transformers		-	-	-3.38	-3.38	-3.38					
768	Switchgear		-	-	-1.79	-1.79	-1.79					
769	Street lighting		-	-	-0.21	-0.21	-0.21					
770	Meters and Services		-	-	-2.41	-2.41	-2.41					
771	IT		-	-	-4.12	-4.12	-4.12					
772	SCADA & Communications		-	-	-1.45	-1.45	-1.45					
773	Other Distribution Non-Network		-	-	-1.97	-1.97	-1.97					
774	Distribution Land & Easements		-	-	-	-	-					
775	Equity Raising Costs		-	-	-0.10	-0.10	-0.10					
776	Total		-	-	-23.39	-23.39	-23.39					
777	[APPROVED]2013 CAPEX Depreciation (\$M real 2017)											
778	Wooden Pole Lines		-	-	-7.53	-7.53	-7.53					
779	Underground Cables		-	-	-1.26	-1.26	-1.26					
780	Transformers		-	-	-3.72	-3.72	-3.72					
781	Switchgear		-	-	-1.98	-1.98	-1.98					
782	Street lighting		-	-	-0.23	-0.23	-0.23					
783	Meters and Services		-	-	-2.65	-2.65	-2.65					
784	IT		-	-	-4.55	-4.55	-4.55					
785	SCADA & Communications		-	-	-1.60	-1.60	-1.60					
786	Other Distribution Non-Network		-	-	-2.17	-2.17	-2.17					
787	Distribution Land & Easements		-	-	-	-	-					
788	Equity Raising Costs		-	-	-0.11	-0.11	-0.11					
789	Total		-	-	-25.79	-25.79	-25.79					
790	[APPROVED]2014 CAPEX Depreciation (\$M real 2012)											

ERA Western Power AA4 Revenue Model, February 2019 [Post FD]
Distribution Input

	2	3	17	18	19	20	21	22	23	24	25	26	
4	Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
5	Project Year		7	8	9	10	11	12	13	14	15	16	
6	Regulatory Period		AA3					AA4					
791	Wooden Pole Lines		-	-	-	-7.17	-7.17						
792	Underground Cables		-	-	-	-1.14	-1.14						
793	Transformers		-	-	-	-3.35	-3.35						
794	Switchgear		-	-	-	-1.79	-1.79						
795	Street lighting		-	-	-	-0.20	-0.20						
796	Meters and Services		-	-	-	-2.46	-2.46						
797	IT		-	-	-	-2.41	-2.41						
798	SCADA & Communications		-	-	-	-1.61	-1.61						
799	Other Distribution Non-Network		-	-	-	-1.36	-1.36						
800	Distribution Land & Easements		-	-	-	-	-						
801	Equity Raising Costs		-	-	-	-0.08	-0.08						
802	Total		-	-	-	-21.58	-21.58						
803	[APPROVED]2014 CAPEX Depreciation (\$M real 2017)												
804	Wooden Pole Lines		-	-	-	-7.91	-7.91						
805	Underground Cables		-	-	-	-1.26	-1.26						
806	Transformers		-	-	-	-3.70	-3.70						
807	Switchgear		-	-	-	-1.98	-1.98						
808	Street lighting		-	-	-	-0.22	-0.22						
809	Meters and Services		-	-	-	-2.71	-2.71						
810	IT		-	-	-	-2.66	-2.66						
811	SCADA & Communications		-	-	-	-1.77	-1.77						
812	Other Distribution Non-Network		-	-	-	-1.50	-1.50						
813	Distribution Land & Easements		-	-	-	-	-						
814	Equity Raising Costs		-	-	-	-0.09	-0.09						
815	Total		-	-	-	-23.79	-23.79						
816	[APPROVED]2015 CAPEX Depreciation (\$M real 2012)												
817	Wooden Pole Lines		-	-	-	-	-7.15						
818	Underground Cables		-	-	-	-	-1.14						
819	Transformers		-	-	-	-	-3.14						
820	Switchgear		-	-	-	-	-1.59						
821	Street lighting		-	-	-	-	-0.18						
822	Meters and Services		-	-	-	-	-2.13						
823	IT		-	-	-	-	-2.52						
824	SCADA & Communications		-	-	-	-	-1.08						
825	Other Distribution Non-Network		-	-	-	-	-1.38						
826	Distribution Land & Easements		-	-	-	-	-						
827	Equity Raising Costs		-	-	-	-	-0.03						
828	Total		-	-	-	-	-20.34						
829	[APPROVED]2015 CAPEX Depreciation (\$M real 2017)												
830	Wooden Pole Lines		-	-	-	-	-7.88						
831	Underground Cables		-	-	-	-	-1.25						
832	Transformers		-	-	-	-	-3.47						
833	Switchgear		-	-	-	-	-1.75						
834	Street lighting		-	-	-	-	-0.20						
835	Meters and Services		-	-	-	-	-2.35						
836	IT		-	-	-	-	-2.78						
837	SCADA & Communications		-	-	-	-	-1.19						
838	Other Distribution Non-Network		-	-	-	-	-1.52						
839	Distribution Land & Easements		-	-	-	-	-						
840	Equity Raising Costs		-	-	-	-	-0.04						
841	Total		-	-	-	-	-22.42						
842	Accelerated Depreciation		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
843	[APPROVED] Accelerated Depreciation (Real \$m 2012)		Approved AA3 2012\$m										
844	Wooden Pole Lines		2.584	0.347	-	-	-						
845	Underground Cables		-	-	-	-	-						
846	Transformers		0.689	0.092	-	-	-						
847	Switchgear		0.172	0.023	-	-	-						
848	Street lighting		-	-	-	-	-						

ERA Western Power AA4 Revenue Model, February 2019 [Post FD]
Distribution Input

	2	3	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5	Project Year		7	8	9	10	11	12	13	14	15	16
6	Regulatory Period		AA3					AA4				
849	Meters and Services		-	-	-	-	-					
850	IT		-	-	-	-	-					
851	SCADA & Communications		-	-	-	-	-					
852	Other Distribution Non-Network		-	-	-	-	-					
853	Distribution Land & Easements		-	-	-	-	-					
854	Equity Raising Costs		-	-	-	-	-					
855	Total		3.445	0.462	-	-	-					
856												
857	[APPROVED] Accelerated Depreciation (Real \$m 2017)		Approved AA3									
858	Wooden Pole Lines		2.849	0.382	-	-	-					
859	Underground Cables		-	-	-	-	-					
860	Transformers		0.760	0.102	-	-	-					
861	Switchgear		0.190	0.025	-	-	-					
862	Street lighting		-	-	-	-	-					
863	Meters and Services		-	-	-	-	-					
864	IT		-	-	-	-	-					
865	SCADA & Communications		-	-	-	-	-					
866	Other Distribution Non-Network		-	-	-	-	-					
867	Distribution Land & Easements		-	-	-	-	-					
868	Equity Raising Costs		-	-	-	-	-					
869	Total		3.799	0.510	-	-	-					
870												
871	[APPROVED] Accelerated Depreciation (\$M real 2017)		Approved AA3					Modelled AA4				
872	Wooden Pole Lines		2.849	0.382	-	-	-	3.63	4.84	3.25		
873	Underground Cables		-	-	-	-	-					
874	Transformers		0.760	0.102	-	-	-	0.46	1.48	0.76		
875	Switchgear		0.190	0.025	-	-	-	0.28	0.57	0.36		
876	Street lighting		-	-	-	-	-					
877	Meters and Services		-	-	-	-	-					
878	IT		-	-	-	-	-					
879	SCADA & Communications		-	-	-	-	-					
880	Other Distribution Non-Network		-	-	-	-	-					
881	Distribution Land & Easements		-	-	-	-	-					
882	Equity Raising Costs		-	-	-	-	-					
883	Total		3.799	0.510	-	-	-					
884	Difference											
885	Redundant Asset		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
886	[ACTUAL] Redundant Asset (\$M Nominal)		Actual AA3									
887	Wooden Pole Lines			0.25	1.24	0.13						
888	Underground Cables											
889	Transformers											
890	Switchgear											
891	Street lighting											
892	Meters and Services											
893	IT											
894	SCADA & Communications											
895	Other Distribution Non-Network		0.05			2.63	0.30					
896	Distribution Land & Easements		0.82	0.03	3.55		0.31					
897	Equity Raising Costs											
898	Total		0.86	0.29	4.79	2.76	0.62					
899	[ACTUAL] Redundant Asset (\$M real 2017)		Actual AA3									
900	Wooden Pole Lines		-	0.266	1.280	0.135	-					
901	Underground Cables		-	-	-	-	-					
902	Transformers		-	-	-	-	-					
903	Switchgear		-	-	-	-	-					
904	Street lighting		-	-	-	-	-					
905	Meters and Services		-	-	-	-	-					
906	IT		-	-	-	-	-					

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD] Distribution Input

	2	3	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
5	Project Year	7	8	9	10	11	12	13	14	15	16	
6	Regulatory Period	AA3					AA4					
907	SCADA & Communications	-	-	-	-	-	-	-	-	-	-	-
908	Other Distribution Non-Network	0.051	-	-	2.676	0.304	-	-	-	-	-	-
909	Distribution Land & Easements	0.878	0.032	3.652	-	0.314	-	-	-	-	-	-
910	Equity Raising Costs	-	-	-	-	-	-	-	-	-	-	-
911	Total	0.928	0.298	4.932	2.811	0.618	-	-	-	-	-	-
912	Operating Expenditure	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
913	[APPROVED] OPEX	Approved AA3 real\$2012										
914	Reliability	1.87	1.88	1.90	1.92	1.97	-	-	-	-	-	-
915	SCADA & Communications	5.08	5.13	5.18	5.22	5.37	-	-	-	-	-	-
916	Non-revenue cap services	-	-	-	-	-	-	-	-	-	-	-
917	Network Operations	14.83	14.87	14.93	14.93	14.91	-	-	-	-	-	-
918	Smartgrid	5.03	4.01	4.81	6.28	7.66	-	-	-	-	-	-
919	Maintenance Strategy	-	-	-	-	-	-	-	-	-	-	-
920	Preventive Condition	59.65	60.00	60.44	50.24	52.32	-	-	-	-	-	-
921	Preventive Routine	44.83	46.71	47.19	47.60	48.85	-	-	-	-	-	-
922	Corrective Deferred	31.41	31.70	32.04	32.32	33.18	-	-	-	-	-	-
923	Corrective Emergency	74.06	74.65	75.35	75.95	78.08	-	-	-	-	-	-
924	Call Centre	7.32	7.47	7.62	7.76	7.88	-	-	-	-	-	-
925	Metering	20.32	20.72	21.14	21.49	21.86	-	-	-	-	-	-
926	Guaranteed service level payments	1.71	1.71	1.70	1.69	1.68	-	-	-	-	-	-
927	Design & Estimating - Distribution Quotations	4.20	4.19	4.31	4.30	4.30	-	-	-	-	-	-
928	Business Support	67.46	67.31	66.61	68.87	69.40	-	-	-	-	-	-
929	IT	-	-	-	-	-	-	-	-	-	-	-
930	Non-recurring opex	10.56	11.44	4.58	4.72	4.85	-	-	-	-	-	-
931	Total	348.33	351.79	347.81	343.29	352.29	-	-	-	-	-	-
932	[ACTUAL] OPEX (\$M Nominal)	Actual AA3					Modelled AA4					
933	Reliability	1.718	1.433	1.781	1.957	1.452	1.394	1.401	1.429	1.516	1.544	
934	SCADA & Communications	4.623	4.702	5.399	5.632	5.541	5.318	5.346	5.453	5.786	5.891	
935	Non-revenue cap services	19.006	12.181	12.765	11.955	13.206	-	-	-	-	-	
936	Network Operations	17.633	14.969	16.420	16.041	14.845	14.735	15.051	15.371	15.686	15.997	
937	Smartgrid	3.707	2.197	0.005	-	-	-	-	-	-	-	
938	Maintenance Strategy	-	-	-	-	-	-	-	-	-	-	
939	Preventive Condition	59.119	47.425	47.166	40.534	25.265	24.695	24.827	25.321	26.870	27.354	
940	Preventive Routine	43.259	48.296	50.221	52.355	54.741	52.253	52.533	53.578	56.855	57.879	
941	Corrective Deferred	27.852	26.352	26.331	24.350	16.653	16.001	16.087	16.407	17.411	17.724	
942	Corrective Emergency	81.249	84.289	81.054	79.166	68.731	61.205	61.532	62.757	66.595	67.795	
943	Call Centre	7.165	5.344	4.274	3.708	3.866	3.946	4.031	4.117	4.201	4.284	
944	Metering	25.090	23.926	21.120	16.691	14.783	14.536	14.802	15.113	15.541	15.844	
945	Guaranteed service level payments	0.892	1.212	0.607	0.746	1.011	1.031	1.053	1.076	1.098	1.120	
946	Design & Estimating - Distribution Quotations	7.793	6.333	4.234	5.468	6.682	6.134	6.167	6.290	6.674	6.795	
947	Business Support	60.435	79.360	66.937	109.413	112.981	65.209	65.579	66.332	65.177	62.456	
948	IT	-	-	-	-	-	-	-	-	-	-	
949	Non-recurring opex	16.547	13.386	12.653	10.014	11.371	12.273	12.339	12.584	13.354	13.595	
950	Total	374.30	371.41	350.97	378.03	351.13	278.733	280.749	285.827	296.765	298.276	
951												
952	[APPROVED] OPEX (\$M real 30/06/2017)	Approved AA3										
953	Reliability	2.06	2.07	2.10	2.11	2.17	-	-	-	-	-	-
954	SCADA & Communications	5.61	5.66	5.71	5.76	5.92	-	-	-	-	-	-
955	Non-revenue cap services	-	-	-	-	-	-	-	-	-	-	-
956	Network Operations	16.35	16.40	16.46	16.46	16.44	-	-	-	-	-	-
957	Smartgrid	5.54	4.42	5.30	6.92	8.44	-	-	-	-	-	-
958	Maintenance Strategy	-	-	-	-	-	-	-	-	-	-	-
959	Preventive Condition	65.77	66.16	66.64	55.40	57.68	-	-	-	-	-	-
960	Preventive Routine	49.43	51.50	52.03	52.49	53.86	-	-	-	-	-	-
961	Corrective Deferred	34.63	34.95	35.32	35.64	36.58	-	-	-	-	-	-
962	Corrective Emergency	81.66	82.31	83.08	83.74	86.09	-	-	-	-	-	-
963	Call Centre	8.07	8.23	8.41	8.55	8.69	-	-	-	-	-	-
964	Metering	22.41	22.85	23.31	23.70	24.10	-	-	-	-	-	-

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]
Distribution Input

	2	3	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
5	Project Year	7	8	9	10	11	12	13	14	15	16	
6	Regulatory Period	AA3					AA4					
965	Guaranteed service level payments	1.89	1.88	1.88	1.87	1.85						
966	Design & Estimating - Distribution Quotations	4.63	4.62	4.75	4.74	4.74						
967	Business Support	74.39	74.22	73.45	75.93	76.52						
968	IT	-	-	-	-	-						
969	Non-recurring opex	11.64	12.62	5.05	5.20	5.34						
970	Total	384.06	387.88	383.49	378.51	388.43						
971	[ACTUAL] OPEX (\$M real 30/06/2017)	Actual AA3					Modelled AA4					
972	Reliability	1.85	1.50	1.83	1.99	1.45	1.37	1.35	1.35	1.41	1.41	
973	SCADA & Communications	4.98	4.92	5.56	5.74	5.54	5.22	5.15	5.16	5.38	5.38	
974	Non-revenue cap services	20.47	12.73	13.14	12.19	13.21	-	-	-	-	-	
975	Network Operations	18.99	15.65	16.91	16.35	14.85	14.47	14.51	14.55	14.58	14.60	
976	Smartgrid	3.99	2.30	0.01	-	-	-	-	-	-	-	
977	Maintenance Strategy	-	-	-	-	-	-	-	-	-	-	
978	Preventive Condition	63.66	49.57	48.57	41.32	25.27	24.25	23.94	23.97	24.98	24.97	
979	Preventive Routine	46.58	50.49	51.72	53.37	54.74	51.31	50.65	50.73	52.86	52.84	
980	Corrective Deferred	29.99	27.55	27.11	24.82	16.65	15.71	15.51	15.53	16.19	16.18	
981	Corrective Emergency	87.49	88.11	83.47	80.70	68.73	60.10	59.33	59.42	61.91	61.89	
982	Call Centre	7.72	5.59	4.40	3.78	3.87	3.88	3.89	3.90	3.91	3.91	
983	Metering	27.02	25.01	21.75	17.01	14.78	14.27	14.27	14.31	14.45	14.46	
984	Guaranteed service level payments	0.96	1.27	0.63	0.76	1.01	1.01	1.02	1.02	1.02	1.02	
985	Design & Estimating - Distribution Quotations	8.39	6.62	4.36	5.57	6.68	6.02	5.95	5.95	6.21	6.20	
986	Business Support	65.08	82.96	68.93	111.53	112.98	64.03	63.23	62.80	60.59	57.01	
987	IT	-	-	-	-	-	-	-	-	-	-	
988	Non-recurring opex	17.82	13.99	13.03	10.21	11.37	12.05	11.90	11.91	12.41	12.41	
989	Total	403.07	388.24	361.41	385.34	351.13	273.70	270.70	270.61	275.89	272.29	
990	Deferred Revenue											
991	Deferred Revenue (\$M real 30/06/2012) at the beginning of AA3											
992	Deferred Revenue (\$M real 30/06/2017)											
993	Recovery period (year)											
994	Working Capital											
995	Receivables											
996	TEF											
997	Inventory											
998	Prepayment											
999	Creditors											
1000	2017 Closing Balance (\$M Real 30/06/2012)											
1001	2017 Closing Balance (\$M Real 30/06/2017)											
1002	Tarriff Equalisation Contribution (TEC)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
1003		Approved AA3					Proposed AA4					
1004	Approved TEC (real \$ M 30/06/2017)	150.833	200.491	208.581	168.402	164.939						
1005		Actual AA3					Proposed AA4					
1006	TEC (\$M Nominal)	154.000	209.000	136.000	141.000	150.000	167.000	198.000	162.000	157.000	161.000	
1007												
1008	Energy Transported (GWh)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
1009		Actual AA3					Proposed AA4					
1010	Actual/Forecasted	13,639	13,665	13,456	13,860	13,769	13,691	13,656	13,505	13,276	13,083	

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Input

	2	3	17	18	19	20	21	22	23	24	25	26
4 Year Ending 30 June			2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5 Project Year		7	8	9	10	11	12	13	14	15	16	
6 Regulatory Period				AA3					AA4			
7 AA1 WP's Forecasted Inflation												
8 June CPI												
9 Forecast Annual Inflation												
10 Inflation Factor												
11 AA2 Actual and WP's Forecasted Inflation												
12 June CPI												
13 Actual & Forecast Annual Inflation												
14 Inflation Factor												
15 AA3 Actual and WP's Forecasted Inflation												
16 June CPI			185.8	190.5	195.2	200.1	205.1					
17 Actual & Forecast Annual Inflation			3.00%	2.50%	2.50%	2.50%	2.50%					
18 Inflation Factor			1.030	1.056	1.082	1.109	1.137					
19 AA4 Actual and Forecasted Inflation												
20 June CPI												
21 June CPI (rebased)			102.8	105.9	107.5	108.6	110.7					
22 Actual & Forecast Inflation			2.39%	3.02%	1.51%	1.02%	1.93%	1.84%	1.84%	1.84%	1.84%	1.84%
23 End of year Inflation factor			0.929	0.957	0.971	0.981	1.000	1.018	1.037	1.056	1.076	1.095
24 Initial Capital Base												
25 Transmission												
40 Asset Allocation												
93 Capital Expenditure			2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
94 [APPROVED] Capex by Regulatory category (\$M Real)												
95 Growth			Approved AA3 (\$M Real 30/06/2012)									
96 Capacity Expansion			192.68	271.15	130.34	140.04	221.36					
97 Customer Driven			33.75	58.10	58.64	59.18	60.03					
98 Generation Driven			-	-	-	-	-					
99 Gifted Assets			-	-	-	-	-					
100 Asset replacement and renewal												
101 Asset Replacement			30.38	33.22	33.62	33.94	35.77					
102 Improvement in service												
103 Reliability Driven			-	-	-	-	-					
104 SCADA & Communications			14.05	11.94	13.06	18.71	18.66					
105 Compliance												
106 Safety, Environmental & Statutory			17.91	19.57	24.61	30.15	30.69					
107 Corporate												
108 IT			15.51	14.93	8.74	9.13	9.26					
109 Business Support			12.34	12.06	8.35	8.43	6.95					
110 Equity Raising Costs			0.77	2.30	0.43	1.38	3.45					
111 Total			317.40	423.27	277.80	300.95	386.17					
112 [ACTUAL] Capex by Regulatory category (\$M Nominal)												
113 Growth			Actual AA3 post adjustment (\$m Nominal)					Proposed AA4 (\$ Nominal)				
114 Capacity Expansion			101.66	206.21	87.85	27.30	31.28	26.12	23.40	2.82	3.64	0.42

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Input

	2	3	17	18	19	20	21	22	23	24	25	26	
4	Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
5	Project Year	7	8	9	10	11	12	13	14	15	16		
6	Regulatory Period		AA3					AA4					
115	Customer Driven		36.81	40.18	- 19.20	5.02	6.47	23.51	23.61	24.06	25.50	25.98	
116	Generation Driven		-	-	-	-	-	-	-	-	-	-	
117	Gifted Assets		-	-	-	-	-	-	-	-	-	-	
118	Asset replacement and renewal		-	-	-	-	-	-	-	-	-	-	
119	Asset Replacement		26.03	42.59	37.76	40.73	33.36	30.72	61.45	55.73	49.32	60.24	
120	Improvement in service		-	-	-	-	-	-	-	-	-	-	
121	Reliability Driven		1.22	0.27	0.19	-	-	-	-	-	-	-	
122	SCADA & Communications		5.67	10.50	12.73	16.46	11.46	9.34	16.03	18.86	17.73	13.94	
123	Compliance		-	-	-	-	-	-	-	-	-	-	
124	Safety, Environmental & Statutory		20.82	18.79	25.40	22.26	21.04	27.37	41.12	39.86	34.07	35.20	
125	Corporate		-	-	-	-	-	-	-	-	-	-	
126	IT		9.44	6.41	9.26	5.17	12.33	14.33	15.61	13.39	9.86	7.52	
127	Business Support		10.03	1.80	5.13	5.37	2.27	8.30	15.22	41.36	3.97	3.36	
128	Equity Raising Costs		0.51	1.82	0.35	0.68	1.20	-	-	-	-	-	
129	Total		212.18	328.56	159.47	122.99	119.39	139.68	196.45	196.07	144.09	146.66	
130	[APPROVED] Capex by Regulatory category (\$M Real at 30/06/2017)												
131	Growth		Approved AA3										
132	Capacity Expansion		212.45	298.97	143.71	154.40	244.06						
133	Customer Driven		37.21	64.06	64.65	65.26	66.19						
134	Generation Driven		-	-	-	-	-						
135	Gifted Assets		-	-	-	-	-						
136	Asset replacement and renewal		-	-	-	-	-						
137	Asset Replacement		33.50	36.62	37.07	37.42	39.44						
138	Improvement in service		-	-	-	-	-						
139	Reliability Driven		-	-	-	-	-						
140	SCADA & Communications		15.49	13.17	14.40	20.62	20.58						
141	Compliance		-	-	-	-	-						
142	Safety, Environmental & Statutory		19.75	21.58	27.13	33.25	33.84						
143	Corporate		-	-	-	-	-						
144	IT		17.10	16.46	9.63	10.06	10.21						
145	Business Support		13.61	13.30	9.21	9.30	7.67						
146	Equity Raising Costs		0.85	2.54	0.48	1.52	3.81						
147	Total		349.96	466.70	306.29	331.83	425.79						
148	[ACTUAL] Capex by Regulatory category (\$M Real at 30/06/2017)												
149	Growth		Actual AA3 post adjustment (\$M Real at 30/06/2017)					Modelled AA4					
150	Capacity Expansion		109.47	215.55	90.46	27.83	31.28	25.64	22.57	2.67	3.39	0.38	
151	Customer Driven		39.64	42.00	- 19.77	5.11	6.47	23.08	22.77	22.78	23.71	23.72	
152	Generation Driven		-	-	-	-	-	-	-	-	-	-	
153	Gifted Assets		-	-	-	-	-	-	-	-	-	-	
154	Asset replacement and renewal		-	-	-	-	-	-	-	-	-	-	
155	Asset Replacement		28.03	44.52	38.89	41.51	33.36	30.16	59.25	52.77	45.85	54.99	
156	Improvement in service		-	-	-	-	-	-	-	-	-	-	
157	Reliability Driven		1.31	0.28	0.19	-	-	-	-	-	-	-	

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Input

	2	3	17	18	19	20	21	22	23	24	25	26	
4	Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
5	Project Year	7	8	9	10	11	12	13	14	15	16		
6	Regulatory Period		AA3					AA4					
158	SCADA & Communications		6.11	10.98	13.10	16.78	11.46	9.17	15.46	17.86	16.48	12.73	
159	Compliance		-	-	-	-	-	-	-	-	-	-	
160	Safety, Environmental & Statutory		22.42	19.64	26.16	22.69	21.04	26.88	39.64	37.74	31.67	32.13	
161	Corporate		-	-	-	-	-	-	-	-	-	-	
162	IT		10.17	6.70	9.54	5.27	12.33	14.07	15.05	12.67	9.17	6.87	
163	Business Support		10.80	1.89	5.29	5.47	2.27	8.15	14.67	39.15	3.69	3.06	
164	Equity Raising Costs		0.55	1.90	0.36	0.69	1.20	-	-	-	-	-	
165	Total		228.49	343.46	164.22	125.37	119.39	137.15	189.41	185.63	133.96	133.88	
166	[APPROVED] Capex by asset class (\$M Real at 30/06/2017) including gifted a		Approved AA3										
167	Transmission cables		30.42	43.77	23.82	25.25	36.87						
168	Transmission steel towers		20.85	30.45	17.84	18.77	26.18						
169	Transmission wood poles		29.16	34.81	33.50	40.08	44.64						
170	Transmission Metering		-	-	-	-	-						
171	Transmission transformers		99.02	137.19	89.52	93.25	122.59						
172	Transmission reactors		11.44	15.33	8.79	9.27	13.22						
173	Transmission capacitors		7.67	11.13	6.32	6.67	9.49						
174	Transmission circuit breakers		38.97	53.72	39.04	40.30	49.79						
175	SCADA and Communications		15.49	13.17	14.40	20.62	20.58						
176	IT		17.10	16.46	9.63	10.06	10.21						
177	Other Non-Network Assets		13.61	13.30	9.21	9.30	7.67						
178	Land & Easements		65.38	94.82	53.74	56.73	80.75						
179	Equity Raising Costs		0.85	2.54	0.48	1.52	3.81						
180	Total		349.96	466.70	306.29	331.83	425.79						
181	[ACTUAL] Capex by asset class (\$M Real at 30/06/2017) including gifted asse		Actual AA3					Modelled AA4					
182	Transmission cables		17.36	31.22	10.03	4.01	4.56	5.20	4.78	2.21	2.38	2.00	
183	Transmission steel towers		12.68	21.56	5.51	2.75	3.16	4.28	4.00	2.37	2.52	2.28	
184	Transmission wood poles		28.37	29.42	30.32	23.92	22.42	28.01	40.64	37.85	31.82	32.15	
185	Transmission Metering		-	-	-	-	-	-	-	-	-	-	
186	Transmission transformers		64.67	108.25	44.29	35.22	31.89	34.10	50.40	40.36	36.79	41.31	
187	Transmission reactors		6.68	12.38	6.67	4.21	3.76	3.29	5.28	3.97	3.49	4.03	
188	Transmission capacitors		4.54	7.90	2.24	1.01	1.16	1.46	1.36	0.74	0.79	0.69	
189	Transmission circuit breakers		27.94	43.91	17.61	17.41	15.32	17.05	26.29	22.24	20.21	22.94	
190	SCADA and Communications		6.11	10.98	13.10	16.78	11.46	9.17	15.46	17.86	16.48	12.73	
191	IT		10.17	6.70	9.54	5.27	12.33	14.07	15.05	12.67	9.17	6.87	
192	Other Non-Network Assets		10.80	1.89	5.29	5.47	2.27	4.89	8.80	23.49	2.21	1.84	
193	Land & Easements		38.62	67.35	19.25	8.62	9.86	15.63	17.35	21.86	8.09	7.05	
194	Equity Raising Costs		0.55	1.90	0.36	0.69	1.20	-	-	-	-	-	
195	Total		228.49	343.46	164.22	125.37	119.39	137.15	189.41	185.63	133.96	133.88	
196	Capex Adjustment		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
259													
260	[ACTUAL] Post -Adjustment CAPEX by regulatory categories (\$M real 30/06/2017)		Actual AA3					Proposed AA4 (Post Adjusted Capex)					
261	Growth												
262	Capacity Expansion		109.47	215.55	90.46	27.83	31.28	25.64	22.57	2.67	3.39	0.38	

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Input

	2	3	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5	Project Year	7	8	9	10	11	12	13	14	15	16	
6	Regulatory Period			AA3				AA4				
263	Customer Driven		39.64	42.00	-19.77	5.11	6.47	23.08	22.77	22.78	23.71	23.72
264	Generation Driven		-	-	-	-	-	-	-	-	-	-
265	Gifted Assets		-	-	-	-	-	-	-	-	-	-
266	Asset replacement and renewal		-	-	-	-	-	-	-	-	-	-
267	Asset Replacement		28.03	44.52	38.89	41.51	33.36	30.16	59.25	52.77	45.85	54.99
268	Improvement in service		-	-	-	-	-	-	-	-	-	-
269	Reliability Driven		1.31	0.28	0.19	-	-	-	-	-	-	-
270	SCADA & Communications		6.11	10.98	13.10	16.78	11.46	9.17	15.46	17.86	16.48	12.73
271	Compliance		-	-	-	-	-	-	-	-	-	-
272	Safety, Environmental & Statutory		22.42	19.64	26.16	22.69	21.04	26.88	39.64	37.74	31.67	32.13
273	Corporate		-	-	-	-	-	-	-	-	-	-
274	IT		10.17	6.70	9.54	5.27	12.33	14.07	15.05	12.67	9.17	6.87
275	Business Support		10.80	1.89	5.29	5.47	2.27	8.15	14.67	39.15	3.69	3.06
276	Equity Raising Costs		0.55	1.90	0.36	0.69	1.20	-	-	-	-	-
277	Total		228.49	343.46	164.22	125.37	119.39	137.15	189.41	185.63	133.96	133.88
278	[ACTUAL] Post -Adjustment CAPEX by asset class (\$M real 30/06/2017) inclu				Actual AA3				Proposed AA4 (Post Adjusted Capex)			
279	Transmission cables		17.36	31.22	10.03	4.01	4.56	5.20	4.78	2.21	2.38	2.00
280	Transmission steel towers		12.68	21.56	5.51	2.75	3.16	4.28	4.00	2.37	2.52	2.28
281	Transmission wood poles		28.37	29.42	30.32	23.92	22.42	28.01	40.64	37.85	31.82	32.15
282	Transmission metering		-	-	-	-	-	-	-	-	-	-
283	Transmission transformers		64.67	108.25	44.29	35.22	31.89	34.10	50.40	40.36	36.79	41.31
284	Transmission reactors		6.68	12.38	6.67	4.21	3.76	3.29	5.28	3.97	3.49	4.03
285	Transmission capacitors		4.54	7.90	2.24	1.01	1.16	1.46	1.36	0.74	0.79	0.69
286	Transmission circuit breakers		27.94	43.91	17.61	17.41	15.32	17.05	26.29	22.24	20.21	22.94
287	SCADA and communications		6.11	10.98	13.10	16.78	11.46	9.17	15.46	17.86	16.48	12.73
288	IT		10.17	6.70	9.54	5.27	12.33	14.07	15.05	12.67	9.17	6.87
289	Other non-network assets		10.80	1.89	5.29	5.47	2.27	4.89	8.80	23.49	2.21	1.84
290	Land & Easements		38.62	67.35	19.25	8.62	9.86	15.63	17.35	21.86	8.09	7.05
291	Equity raising costs		0.55	1.90	0.36	0.69	1.20	-	-	-	-	-
292	Total		228.49	343.46	164.22	125.37	119.39	137.15	189.41	185.63	133.96	133.88
293												
294	Prior period capital expenditure that now satisfies NFIT				Actual AA3				Proposed AA4 (Post Adjusted Capex)			
295	Capital expenditure that now satisfies NFIT [\$M real as at 30 June 2010]											
296	Capital expenditure that now satisfies NFIT [\$M real as at 30 June 2017]											
297												
298	Growth											
299	Capacity Expansion											
300	Customer Driven											
301	Generation Driven											
302	Gifted Assets											
303	Asset replacement and renewal											
304	Asset Replacement											
305	Improvement in service											
306	Reliability Driven											

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Input

	2	3	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5	Project Year		7	8	9	10	11	12	13	14	15	16
6	Regulatory Period		AA3					AA4				
307	SCADA & Communications											
308	Compliance											
309	Safety, Environmental & Statutory											
310	Corporate											
311	IT											
312	Business Support											
313	Equity Raising Costs											
314	Total											
315			<i>2010 NFIT adjustment applied in year 2012</i>									
316	Transmission cables		0.104	0.122								
317	Transmission steel towers		1.892	2.292								
318	Transmission wood poles		0.340	0.392								
319	Transmission Metering		-	-								
320	Transmission transformers		1.048	1.240								
321	Transmission reactors		0.070	0.083								
322	Transmission capacitors		0.451	0.536								
323	Transmission circuit breakers		1.283	1.473								
324	SCADA and Communications		0.115	0.136								
325	IT		0.132	0.168								
326	Other Non-Network Assets		0.157	0.168								
327	Land & Easements		0.520	0.610								
328	Equity Raising Costs		-	-								
329	Total Transmission		6.112	7.220								
330												
331	Gifted Asset		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
332	[APPROVED] Gifted Assets (\$M real 2012)		Approved AA3									
333	Transmission cables											
334	Transmission steel towers											
335	Transmission wood poles											
336	Transmission metering											
337	Transmission transformers											
338	Transmission reactors											
339	Transmission capacitors											
340	Transmission circuit breakers											
341	SCADA and communications											
342	IT											
343	Other non-network assets											
344	Land & Easements											
345	Equity raising costs											
346	Total											
347	[ACTUAL] Gifted Assets (\$Nominal)		Actual AA3									
348	Transmission cables		-	-	-	-	-					
349	Transmission steel towers		-	-	-	-	-					
350	Transmission wood poles		-	-	-	-	-					

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Input

	2	3	17	18	19	20	21	22	23	24	25	26	
4	Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
5	Project Year	7	8	9	10	11	12	13	14	15	16		
6	Regulatory Period		AA3					AA4					
351	Transmission metering		-	-	-	-	-	-	-	-	-	-	
352	Transmission transformers		-	-	-	-	-	-	-	-	-	-	
353	Transmission reactors		-	-	-	-	-	-	-	-	-	-	
354	Transmission capacitors		-	-	-	-	-	-	-	-	-	-	
355	Transmission circuit breakers		-	-	-	-	-	-	-	-	-	-	
356	SCADA and communications		-	-	-	-	-	-	-	-	-	-	
357	IT		-	-	-	-	-	-	-	-	-	-	
358	Other non-network assets		-	-	-	-	-	-	-	-	-	-	
359	Land & Easements		-	-	-	-	-	-	-	-	-	-	
360	Equity raising costs		-	-	-	-	-	-	-	-	-	-	
361	Total		-	-	-	-	-	-	-	-	-	-	
362	[APPROVED] Gifted Assets (\$M real 30/06/2017)		Approved AA3										
363	Transmission cables		-	-	-	-	-	-	-	-	-	-	
364	Transmission steel towers		-	-	-	-	-	-	-	-	-	-	
365	Transmission wood poles		-	-	-	-	-	-	-	-	-	-	
366	Transmission metering		-	-	-	-	-	-	-	-	-	-	
367	Transmission transformers		-	-	-	-	-	-	-	-	-	-	
368	Transmission reactors		-	-	-	-	-	-	-	-	-	-	
369	Transmission capacitors		-	-	-	-	-	-	-	-	-	-	
370	Transmission circuit breakers		-	-	-	-	-	-	-	-	-	-	
371	SCADA and communications		-	-	-	-	-	-	-	-	-	-	
372	IT		-	-	-	-	-	-	-	-	-	-	
373	Other non-network assets		-	-	-	-	-	-	-	-	-	-	
374	Land & Easements		-	-	-	-	-	-	-	-	-	-	
375	Equity raising costs		-	-	-	-	-	-	-	-	-	-	
376	Total		-	-	-	-	-	-	-	-	-	-	
377	[ACTUAL] Gifted Assets (\$M real 30/06/2017)		Actual AA3					Proposed AA4					
378	Transmission cables		-	-	-	-	-	-	-	-	-	-	
379	Transmission steel towers		-	-	-	-	-	-	-	-	-	-	
380	Transmission wood poles		-	-	-	-	-	-	-	-	-	-	
381	Transmission metering		-	-	-	-	-	-	-	-	-	-	
382	Transmission transformers		-	-	-	-	-	-	-	-	-	-	
383	Transmission reactors		-	-	-	-	-	-	-	-	-	-	
384	Transmission capacitors		-	-	-	-	-	-	-	-	-	-	
385	Transmission circuit breakers		-	-	-	-	-	-	-	-	-	-	
386	SCADA and communications		-	-	-	-	-	-	-	-	-	-	
387	IT		-	-	-	-	-	-	-	-	-	-	
388	Other non-network assets		-	-	-	-	-	-	-	-	-	-	
389	Land & Easements		-	-	-	-	-	-	-	-	-	-	
390	Equity raising costs		-	-	-	-	-	-	-	-	-	-	
391	Total		-	-	-	-	-	-	-	-	-	-	
392	Owners Capex		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
393	[APPROVED] Owner's capex		Approved AA3										
394	Transmission cables		-	-	-	-	-	-	-	-	-	-	

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Input

	2	3	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5	Project Year	7	8	9	10	11	12	13	14	15	16	
6	Regulatory Period	AA3						AA4				
395	Transmission steel towers											
396	Transmission wood poles											
397	Transmission metering											
398	Transmission transformers											
399	Transmission reactors											
400	Transmission capacitors											
401	Transmission circuit breakers											
402	SCADA and communications											
403	IT											
404	Other non-network assets											
405	Land & Easements											
406	Equity raising costs											
407	Total											
408	[APPROVED]Owner's capex		Approved AA3									
409	Transmission cables	30.42	43.77	23.82	25.25	36.87						
410	Transmission steel towers	20.85	30.45	17.84	18.77	26.18						
411	Transmission wood poles	29.16	34.81	33.50	40.08	44.64						
412	Transmission metering	-	-	-	-	-						
413	Transmission transformers	99.02	137.19	89.52	93.25	122.59						
414	Transmission reactors	11.44	15.33	8.79	9.27	13.22						
415	Transmission capacitors	7.67	11.13	6.32	6.67	9.49						
416	Transmission circuit breakers	38.97	53.72	39.04	40.30	49.79						
417	SCADA and communications	15.49	13.17	14.40	20.62	20.58						
418	IT	17.10	16.46	9.63	10.06	10.21						
419	Other non-network assets	13.61	13.30	9.21	9.30	7.67						
420	Land & Easements	65.38	94.82	53.74	56.73	80.75						
421	Equity raising costs	0.85	2.54	0.48	1.52	3.81						
422	Total	349.96	466.70	306.29	331.83	425.79						
423	[ACTUAL]Owner's capex (\$M real 2017) i.e. post-adjusted actual capex - gift		Actual AA3						Modelled AA4			
424	Transmission cables	17.36	31.22	10.03	4.01	4.56	5.20	4.78	2.21	2.38	2.00	
425	Transmission steel towers	12.68	21.56	5.51	2.75	3.16	4.28	4.00	2.37	2.52	2.28	
426	Transmission wood poles	28.37	29.42	30.32	23.92	22.42	28.01	40.64	37.85	31.82	32.15	
427	Transmission metering	-	-	-	-	-	-	-	-	-	-	
428	Transmission transformers	64.67	108.25	44.29	35.22	31.89	34.10	50.40	40.36	36.79	41.31	
429	Transmission reactors	6.68	12.38	6.67	4.21	3.76	3.29	5.28	3.97	3.49	4.03	
430	Transmission capacitors	4.54	7.90	2.24	1.01	1.16	1.46	1.36	0.74	0.79	0.69	
431	Transmission circuit breakers	27.94	43.91	17.61	17.41	15.32	17.05	26.29	22.24	20.21	22.94	
432	SCADA and communications	6.11	10.98	13.10	16.78	11.46	9.17	15.46	17.86	16.48	12.73	
433	IT	10.17	6.70	9.54	5.27	12.33	14.07	15.05	12.67	9.17	6.87	
434	Other non-network assets	10.80	1.89	5.29	5.47	2.27	4.89	8.80	23.49	2.21	1.84	
435	Land & Easements	38.62	67.35	19.25	8.62	9.86	15.63	17.35	21.86	8.09	7.05	
436	Equity raising costs	0.55	1.90	0.36	0.69	1.20	-	-	-	-	-	
437	Total	228.49	343.46	164.22	125.37	119.39	137.15	189.41	185.63	133.96	133.88	
438												

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Input

	2	3	17	18	19	20	21	22	23	24	25	26	
4	Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
5	Project Year		7	8	9	10	11	12	13	14	15	16	
6	Regulatory Period			AA3					AA4				
439	Cash Contributions		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
440	[APPROVED]Cash Contributions (\$M real)												
441	Growth		Approved AA3 (real\$2012)										
442	Capacity Expansion		-	-	-	-	-						
443	Customer Driven		22.378	38.349	38.831	39.239	39.688						
444	Generation Driven		-	-	-	-	-						
445	Gifted Assets		-	-	-	-	-						
446	Asset replacement and renewal												
447	Asset Replacement		-	-	-	-	-						
448	Improvement in service												
449	Reliability Driven		-	-	-	-	-						
450	SCADA & Communications		-	-	-	-	-						
451	Compliance												
452	Safety, Environmental & Statutory		-	-	-	-	-						
453	Corporate												
454	IT		-	-	-	-	-						
455	Business Support		-	-	-	-	-						
456	Equity raising costs		-	-	-	-	-						
457	Total Transmission		22.378	38.349	38.831	39.239	39.688						
458	[ACTUAL]Cash Contributions (\$M OD)												
459	Growth		Actual AA3										
460	Capacity Expansion		-	0.014	-	0.030	0.013	-	-	0.033			
461	Customer Driven		17.951	1.593	4.871	5.367	15.408						
462	Generation Driven		-	-	-	-	-						
463	Gifted Assets		-	-	-	-	-						
464	Asset replacement and renewal												
465	Asset Replacement		0.045	-	-	0.013	-	-					
466	Improvement in service												
467	Reliability Driven		-	-	-	-	-						
468	SCADA & Communications		0.006	-	0.001	-	-	0.054					
469	Compliance												
470	Safety, Environmental & Statutory		-	0.178	0.188	-	-	-					
471	Corporate												
472	IT		-	-	-	-	-						
473	Business Support		-	-	-	-	-						
474	Equity raising costs		-	-	-	-	-						
475	Total Transmission		17.810	1.751	4.872	5.367	15.321						
476	[APPROVED]Cash Contributions (\$M real 30/06/2017)												
477	Growth		Approved AA3										
478	Capacity Expansion		-	-	-	-	-						
479	Customer Driven		24.67	42.28	42.81	43.26	43.76						
480	Generation Driven		-	-	-	-	-						
481	Gifted Assets		-	-	-	-	-						
482	Asset replacement and renewal												

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Transmission Input

	2	3	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5	Project Year		7	8	9	10	11	12	13	14	15	16
6	Regulatory Period		AA3					AA4				
483	Asset Replacement		-	-	-	-	-					
484	Improvement in service											
485	Reliability Driven		-	-	-	-	-					
486	SCADA & Communications		-	-	-	-	-					
487	Compliance											
488	Safety, Environmental & Statutory		-	-	-	-	-					
489	Corporate											
490	IT		-	-	-	-	-					
491	Business Support		-	-	-	-	-					
492	Equity raising costs		-	-	-	-	-					
493	Total Transmission		24.67	42.28	42.81	43.26	43.76					
494	[ACTUAL]Cash Contributions (\$M real 30/06/2017)											
495	Growth				Actual AA3					Modelled AA4		
496	Capacity Expansion		-0.02	-0.03	0.01	-	-0.03	-	-	-	-	-
497	Customer Driven		19.33	1.67	5.02	5.47	15.41	13.04	12.86	12.87	13.40	13.40
498	Generation Driven		-	-	-	-	-	-	-	-	-	-
499	Gifted Assets		-	-	-	-	-	-	-	-	-	-
500	Asset replacement and renewal											
501	Asset Replacement		0.05	-	-0.01	-	-	-	-	-	-	-
502	Improvement in service											
503	Reliability Driven		-	-	-	-	-	-	-	-	-	-
504	SCADA & Communications		0.01	-	0.00	-	-0.05	-	-	-	-	-
505	Compliance											
506	Safety, Environmental & Statutory		-0.19	0.20	-	-	-	-	-	-	-	-
507	Corporate											
508	IT		-	-	-	-	-	-	-	-	-	-
509	Business Support		-	-	-	-	-	-	-	-	-	-
510	Equity raising costs		-	-	-	-	-	-	-	-	-	-
511	Total Transmission		19.18	1.83	5.02	5.47	15.32	13.04	12.86	12.87	13.40	13.40
512	[APROVED] Cash Contributions by asset class(\$M real 30/06/2017)											
513	Transmission cables		2.03	3.47	3.51	3.55	3.59					
514	Transmission steel towers		2.34	4.00	4.05	4.10	4.14					
515	Transmission wood poles		-	-	-	-	-					
516	Transmission metering		-	-	-	-	-					
517	Transmission transformers		8.71	14.92	15.11	15.27	15.44					
518	Transmission reactors		-	-	-	-	-					
519	Transmission capacitors		0.71	1.22	1.23	1.24	1.26					
520	Transmission circuit breakers		4.95	8.48	8.58	8.67	8.77					
521	SCADA and communications		-	-	-	-	-					
522	IT		-	-	-	-	-					
523	Other non-network assets		-	-	-	-	-					
524	Land & Easements		5.95	10.19	10.32	10.43	10.55					
525	Equity raising costs		-	-	-	-	-					
526	Total		24.67	42.28	42.81	43.26	43.76					

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Transmission Input

	2	3	17	18	19	20	21	22	23	24	25	26	
4	Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
5	Project Year	7	8	9	10	11	12	13	14	15	16		
6	Regulatory Period		AA3					AA4					
527	[ACTUAL] Cash Contributions by asset class(\$M real 30/06/2017)		Actual AA3					Modelled AA4					
528	Transmission cables		1.58	0.13	0.41	0.45	1.26	1.07	1.06	1.06	1.10	1.10	
529	Transmission steel towers		1.83	0.16	0.48	0.52	1.46	1.23	1.22	1.22	1.27	1.27	
530	Transmission wood poles		-0.19	0.20	0.00	-	-0.00	-	-	-	-	-	
531	Transmission metering		-	-	-	-	-	-	-	-	-	-	
532	Transmission transformers		6.85	0.58	1.77	1.93	5.43	4.60	4.54	4.54	4.73	4.73	
533	Transmission reactors		0.00	-0.00	-0.00	-	-0.00	-	-	-	-	-	
534	Transmission capacitors		0.56	0.05	0.14	0.16	0.44	0.37	0.37	0.37	0.39	0.39	
535	Transmission circuit breakers		3.89	0.33	1.00	1.10	3.09	2.61	2.58	2.58	2.69	2.69	
536	SCADA and communications		0.01	-	0.00	-	-0.05	-	-	-	-	-	
537	IT		-	-	-	-	-	-	-	-	-	-	
538	Other non-network assets		-	-	-	-	-	-	-	-	-	-	
539	Land & Easements		4.66	0.39	1.21	1.32	3.71	3.14	3.10	3.10	3.23	3.23	
540	Equity raising costs		-	-	-	-	-	-	-	-	-	-	
541	Total		19.18	1.83	5.02	5.47	15.32	13.04	12.86	12.87	13.40	13.40	
542													
543	Approved ICB Deprecation		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
544	[APPROVED] ICB Depreciation (\$M real 2012)		Approved AA3										
545	Transmission cables		-0.37	-0.37	-0.37	-0.37	-0.37						
546	Transmission steel towers		-10.34	-10.34	-10.34	-10.34	-10.34						
547	Transmission wood poles		-9.66	-9.66	-9.66	-9.66	-9.66						
548	Transmission metering		-0.10	-0.10	-0.10	-0.10	-0.10						
549	Transmission transformers		-7.10	-7.10	-7.10	-7.10	-7.10						
550	Transmission reactors		-0.17	-0.17	-0.17	-0.17	-0.17						
551	Transmission capacitors		-3.86	-3.86	-3.86	-3.86	-3.86						
552	Transmission circuit breakers		-18.87	-18.87	-18.87	-18.87	-18.87						
553	SCADA and communications		-3.48	-3.48	-3.48	-3.48	-3.48						
554	IT		-0.00	-	-	-	-						
555	Other non-network assets		-2.39	-2.39	-2.39	-2.39	-2.39						
556	Land & Easements		-	-	-	-	-						
557	Equity raising costs		-	-	-	-	-						
558	Total		-56.34	-56.34	-56.34	-56.34	-56.34						
559	[APPROVED]ICB Depreciation (\$M real 2017)												
560	Transmission cables		-0.41	-0.41	-0.41	-0.41	-0.41						
561	Transmission steel towers		-11.40	-11.40	-11.40	-11.40	-11.40						
562	Transmission wood poles		-10.65	-10.65	-10.65	-10.65	-10.65						
563	Transmission metering		-0.11	-0.11	-0.11	-0.11	-0.11						
564	Transmission transformers		-7.83	-7.83	-7.83	-7.83	-7.83						
565	Transmission reactors		-0.19	-0.19	-0.19	-0.19	-0.19						
566	Transmission capacitors		-4.26	-4.26	-4.26	-4.26	-4.26						
567	Transmission circuit breakers		-20.81	-20.81	-20.81	-20.81	-20.81						
568	SCADA and communications		-3.83	-3.83	-3.83	-3.83	-3.83						
569	IT		-0.00	-	-	-	-						
570	Other non-network assets		-2.63	-2.63	-2.63	-2.63	-2.63						

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Transmission Input

	2	3	17	18	19	20	21	22	23	24	25	26	
4	Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
5	Project Year		7	8	9	10	11	12	13	14	15	16	
6	Regulatory Period		AA3					AA4					
571	Land & Easements		-	-	-	-	-						
572	Equity raising costs		-	-	-	-	-						
573	Total		-62.12	-62.12	-62.12	-62.12	-62.12						
574	Approved TAX ICB Depreciation		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
575	[APPROVED] TAX ICB Depreciation (\$M Nominal)		Approved AA3										
576	Transmission cables		-37.26	-37.30	-36.98	-36.88	-36.85						
577	Transmission steel towers		-0.28	-1.28	-1.27	-1.27	-1.28						
578	Transmission wood poles		-0.04	-0.20	-0.20	-0.20	-0.20						
579	Transmission metering		-	-	-	-	-						
580	Transmission transformers		-3.35	-3.98	-3.96	-3.95	-3.97						
581	Transmission reactors		-0.01	-0.05	-0.05	-0.05	-0.05						
582	Transmission capacitors		-0.09	-0.33	-0.33	-0.33	-0.33						
583	Transmission circuit breakers		-0.15	-0.61	-0.61	-0.61	-0.61						
584	SCADA and communications		-6.29	-7.27	-6.59	-6.26	-6.10						
585	IT		-1.30	-4.86	-4.79	-4.78	-3.04						
586	Other non-network assets		-16.06	-10.51	-8.78	-8.60	-8.44						
587	Land & Easements		-	-	-	-	-						
588	Equity raising costs		-	-	-	-	-						
589	Total		-64.85	-66.38	-63.55	-62.92	-60.88						
590	Approved CAPEX Depreciation		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
591	[APPROVED] CAPEX Depreciation (\$M real 2012)		Approved AA3										
592	Transmission cables		-0.41	-0.87	-1.54	-1.87	-2.23						
593	Transmission steel towers		-6.76	-7.04	-7.44	-7.65	-7.87						
594	Transmission wood poles		-1.67	-2.25	-2.96	-3.63	-4.44						
595	Transmission metering		0.00	0.00	0.00	0.00	0.00						
596	Transmission transformers		-4.39	-6.03	-8.25	-9.60	-11.01						
597	Transmission reactors		-0.25	-0.46	-0.74	-0.90	-1.07						
598	Transmission capacitors		-2.06	-2.22	-2.44	-2.56	-2.68						
599	Transmission circuit breakers		-5.57	-6.19	-7.01	-7.56	-8.13						
600	SCADA and communications		-1.36	-2.64	-3.73	-4.91	-6.61						
601	IT		-3.70	-6.28	-8.77	-10.22	-11.75						
602	Other non-network assets		-2.73	-3.46	-4.17	-4.67	-5.17						
603	Land & Easements		0.00	0.00	0.00	0.00	0.00						
604	Equity raising costs		0.00	-0.02	-0.06	-0.07	-0.10						
605	Total		-28.89	-37.46	-47.10	-53.64	-61.06						
606	[APPROVED] 2006 CAPEX Depreciation (\$M real 2012)												
607	Transmission cables		-0.09	-0.09	-0.09	-0.09	-0.09						
608	Transmission steel towers		-1.37	-1.37	-1.37	-1.37	-1.37						
609	Transmission wood poles		-0.33	-0.33	-0.33	-0.33	-0.33						
610	Transmission metering		-	-	-	-	-						
611	Transmission transformers		-1.11	-1.11	-1.11	-1.11	-1.11						
612	Transmission reactors		-0.09	-0.09	-0.09	-0.09	-0.09						
613	Transmission capacitors		-0.70	-0.70	-0.70	-0.70	-0.70						
614	Transmission circuit breakers		-1.15	-1.15	-1.15	-1.15	-1.15						

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Transmission Input

	2	3	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5	Project Year		7	8	9	10	11	12	13	14	15	16
6	Regulatory Period		AA3					AA4				
615	SCADA and communications		-0.21	-0.21	-0.21	-0.21	-0.21					
616	IT		-0.39	-0.39	-0.39	-0.39	-0.39					
617	Other non-network assets		-0.08	-0.08	-0.08	-0.08	-0.08					
618	Land & Easements		-	-	-	-	-					
619	Equity raising costs											
620	Total		-5.51	-5.51	-5.51	-5.51	-5.51					
621	[APROVED]2006 CAPEX Depreciation (\$M real 2017)											
622	Transmission cables		-0.10	-0.10	-0.10	-0.10	-0.10					
623	Transmission steel towers		-1.51	-1.51	-1.51	-1.51	-1.51					
624	Transmission wood poles		-0.36	-0.36	-0.36	-0.36	-0.36					
625	Transmission metering		-	-	-	-	-					
626	Transmission transformers		-1.23	-1.23	-1.23	-1.23	-1.23					
627	Transmission reactors		-0.09	-0.09	-0.09	-0.09	-0.09					
628	Transmission capacitors		-0.77	-0.77	-0.77	-0.77	-0.77					
629	Transmission circuit breakers		-1.27	-1.27	-1.27	-1.27	-1.27					
630	SCADA and communications		-0.23	-0.23	-0.23	-0.23	-0.23					
631	IT		-0.43	-0.43	-0.43	-0.43	-0.43					
632	Other non-network assets		-0.08	-0.08	-0.08	-0.08	-0.08					
633	Land & Easements		-	-	-	-	-					
634	Equity raising costs		-	-	-	-	-					
635	Total		-6.08	-6.08	-6.08	-6.08	-6.08					
636	[APROVED]2007 CAPEX Depreciation (\$M real 2012)											
637	Transmission cables		-0.08	-0.08	-0.08	-0.08	-0.08					
638	Transmission steel towers		-1.95	-1.95	-1.95	-1.95	-1.95					
639	Transmission wood poles		-0.31	-0.31	-0.31	-0.31	-0.31					
640	Transmission metering		-	-	-	-	-					
641	Transmission transformers		-0.98	-0.98	-0.98	-0.98	-0.98					
642	Transmission reactors		-0.06	-0.06	-0.06	-0.06	-0.06					
643	Transmission capacitors		-0.52	-0.52	-0.52	-0.52	-0.52					
644	Transmission circuit breakers		-0.95	-0.95	-0.95	-0.95	-0.95					
645	SCADA and communications		-0.14	-0.14	-0.14	-0.14	-0.14					
646	IT		-0.68	-0.68	-0.68	-0.68	-0.68					
647	Other non-network assets		-0.11	-0.11	-0.11	-0.11	-0.11					
648	Land & Easements		-	-	-	-	-					
649	Equity raising costs											
650	Total		-5.79	-5.79	-5.79	-5.79	-5.79					
651	[APROVED]2007 CAPEX Depreciation (\$M real 2017)											
652	Transmission cables		-0.09	-0.09	-0.09	-0.09	-0.09					
653	Transmission steel towers		-2.15	-2.15	-2.15	-2.15	-2.15					
654	Transmission wood poles		-0.34	-0.34	-0.34	-0.34	-0.34					
655	Transmission metering		-	-	-	-	-					
656	Transmission transformers		-1.08	-1.08	-1.08	-1.08	-1.08					
657	Transmission reactors		-0.07	-0.07	-0.07	-0.07	-0.07					
658	Transmission capacitors		-0.57	-0.57	-0.57	-0.57	-0.57					

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Input

	2	3	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5	Project Year	7	8	9	10	11	12	13	14	15	16	
6	Regulatory Period		AA3					AA4				
659	Transmission circuit breakers		-1.05	-1.05	-1.05	-1.05	-1.05					
660	SCADA and communications		-0.16	-0.16	-0.16	-0.16	-0.16					
661	IT		-0.75	-0.75	-0.75	-0.75	-0.75					
662	Other non-network assets		-0.12	-0.12	-0.12	-0.12	-0.12					
663	Land & Easements		-	-	-	-	-					
664	Equity raising costs		-	-	-	-	-					
665	Total		-6.38	-6.38	-6.38	-6.38	-6.38					
666	[APPROVED]2008 CAPEX Depreciation (\$M real 2012)											
667	Transmission cables		-0.09	-0.09	-0.09	-0.09	-0.09					
668	Transmission steel towers		-1.56	-1.56	-1.56	-1.56	-1.56					
669	Transmission wood poles		-0.37	-0.37	-0.37	-0.37	-0.37					
670	Transmission metering		-	-	-	-	-					
671	Transmission transformers		-1.04	-1.04	-1.04	-1.04	-1.04					
672	Transmission reactors		-0.07	-0.07	-0.07	-0.07	-0.07					
673	Transmission capacitors		-0.56	-0.56	-0.56	-0.56	-0.56					
674	Transmission circuit breakers		-1.27	-1.27	-1.27	-1.27	-1.27					
675	SCADA and communications		-0.17	-0.17	-0.17	-0.17	-0.17					
676	IT		-0.39	-0.39	-0.39	-0.39	-0.39					
677	Other non-network assets		-0.46	-0.46	-0.46	-0.46	-0.46					
678	Land & Easements		-	-	-	-	-					
679	Equity raising costs		-	-	-	-	-					
680	Total		-5.99	-5.99	-5.99	-5.99	-5.99					
681	[APPROVED]2008 CAPEX Depreciation (\$M real 2017)											
682	Transmission cables		-0.10	-0.10	-0.10	-0.10	-0.10					
683	Transmission steel towers		-1.72	-1.72	-1.72	-1.72	-1.72					
684	Transmission wood poles		-0.41	-0.41	-0.41	-0.41	-0.41					
685	Transmission metering		-	-	-	-	-					
686	Transmission transformers		-1.15	-1.15	-1.15	-1.15	-1.15					
687	Transmission reactors		-0.08	-0.08	-0.08	-0.08	-0.08					
688	Transmission capacitors		-0.62	-0.62	-0.62	-0.62	-0.62					
689	Transmission circuit breakers		-1.40	-1.40	-1.40	-1.40	-1.40					
690	SCADA and communications		-0.18	-0.18	-0.18	-0.18	-0.18					
691	IT		-0.43	-0.43	-0.43	-0.43	-0.43					
692	Other non-network assets		-0.51	-0.51	-0.51	-0.51	-0.51					
693	Land & Easements		-	-	-	-	-					
694	Equity raising costs		-	-	-	-	-					
695	Total		-6.61	-6.61	-6.61	-6.61	-6.61					
696	[APPROVED]2009 CAPEX Depreciation (\$M real 2012)											
697	Transmission cables		-0.08	-0.08	-0.08	-0.08	-0.08					
698	Transmission steel towers		-0.81	-0.81	-0.81	-0.81	-0.81					
699	Transmission wood poles		-0.29	-0.29	-0.29	-0.29	-0.29					
700	Transmission metering		-	-	-	-	-					
701	Transmission transformers		-0.65	-0.65	-0.65	-0.65	-0.65					
702	Transmission reactors		-0.02	-0.02	-0.02	-0.02	-0.02					

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Input

	2	3	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5	Project Year	7	8	9	10	11	12	13	14	15	16	
6	Regulatory Period		AA3					AA4				
703	Transmission capacitors		-0.22	-0.22	-0.22	-0.22	-0.22					
704	Transmission circuit breakers		-0.68	-0.68	-0.68	-0.68	-0.68					
705	SCADA and communications		-0.31	-0.31	-0.31	-0.31	-0.31					
706	IT		-0.51	-0.51	-0.51	-0.51	-0.51					
707	Other non-network assets		-0.47	-0.47	-0.47	-0.47	-0.47					
708	Land & Easements		-	-	-	-	-					
709	Equity raising costs											
710	Total		-4.04	-4.04	-4.04	-4.04	-4.04					
711	[APPROVED]2009 CAPEX Depreciation (\$M real 2017)											
712	Transmission cables		-0.09	-0.09	-0.09	-0.09	-0.09					
713	Transmission steel towers		-0.90	-0.90	-0.90	-0.90	-0.90					
714	Transmission wood poles		-0.32	-0.32	-0.32	-0.32	-0.32					
715	Transmission metering		-	-	-	-	-					
716	Transmission transformers		-0.71	-0.71	-0.71	-0.71	-0.71					
717	Transmission reactors		-0.02	-0.02	-0.02	-0.02	-0.02					
718	Transmission capacitors		-0.24	-0.24	-0.24	-0.24	-0.24					
719	Transmission circuit breakers		-0.75	-0.75	-0.75	-0.75	-0.75					
720	SCADA and communications		-0.34	-0.34	-0.34	-0.34	-0.34					
721	IT		-0.56	-0.56	-0.56	-0.56	-0.56					
722	Other non-network assets		-0.52	-0.52	-0.52	-0.52	-0.52					
723	Land & Easements		-	-	-	-	-					
724	Equity raising costs		-	-	-	-	-					
725	Total		-4.46	-4.46	-4.46	-4.46	-4.46					
726	[APPROVED]2010 CAPEX Depreciation (\$M real 2012)											
727	Transmission cables		-0.04	-0.04	-0.04	-0.04	-0.04					
728	Transmission steel towers		-0.53	-0.53	-0.53	-0.53	-0.53					
729	Transmission wood poles		-0.19	-0.19	-0.19	-0.19	-0.19					
730	Transmission metering		-	-	-	-	-					
731	Transmission transformers		-0.31	-0.31	-0.31	-0.31	-0.31					
732	Transmission reactors		-0.01	-0.01	-0.01	-0.01	-0.01					
733	Transmission capacitors		-0.03	-0.03	-0.03	-0.03	-0.03					
734	Transmission circuit breakers		-0.83	-0.83	-0.83	-0.83	-0.83					
735	SCADA and communications		-0.17	-0.17	-0.17	-0.17	-0.17					
736	IT		-0.80	-0.80	-0.80	-0.80	-0.80					
737	Other non-network assets		-0.75	-0.75	-0.75	-0.75	-0.75					
738	Land & Easements		-	-	-	-	-					
739	Equity raising costs											
740	Total		-3.65	-3.65	-3.65	-3.65	-3.65					
741	[APPROVED]2010 CAPEX Depreciation (\$M real 2017)											
742	Transmission cables		-0.04	-0.04	-0.04	-0.04	-0.04					
743	Transmission steel towers		-0.58	-0.58	-0.58	-0.58	-0.58					
744	Transmission wood poles		-0.21	-0.21	-0.21	-0.21	-0.21					
745	Transmission metering		-	-	-	-	-					
746	Transmission transformers		-0.34	-0.34	-0.34	-0.34	-0.34					

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Input

	2	3	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5	Project Year	7	8	9	10	11	12	13	14	15	16	
6	Regulatory Period		AA3					AA4				
747	Transmission reactors		-0.01	-0.01	-0.01	-0.01	-0.01					
748	Transmission capacitors		-0.03	-0.03	-0.03	-0.03	-0.03					
749	Transmission circuit breakers		-0.92	-0.92	-0.92	-0.92	-0.92					
750	SCADA and communications		-0.18	-0.18	-0.18	-0.18	-0.18					
751	IT		-0.89	-0.89	-0.89	-0.89	-0.89					
752	Other non-network assets		-0.83	-0.83	-0.83	-0.83	-0.83					
753	Land & Easements		-	-	-	-	-					
754	Equity raising costs		-	-	-	-	-					
755	Total		-4.02	-4.02	-4.02	-4.02	-4.02					
756	[APROVED]2011 CAPEX Depreciation (\$M real 2012)											
757	Transmission cables		-0.02	-0.02	-0.02	-0.02	-0.02					
758	Transmission steel towers		-0.54	-0.54	-0.54	-0.54	-0.54					
759	Transmission wood poles		-0.18	-0.18	-0.18	-0.18	-0.18					
760	Transmission metering		-	-	-	-	-					
761	Transmission transformers		-0.30	-0.30	-0.30	-0.30	-0.30					
762	Transmission reactors		-0.01	-0.01	-0.01	-0.01	-0.01					
763	Transmission capacitors		-0.03	-0.03	-0.03	-0.03	-0.03					
764	Transmission circuit breakers		-0.68	-0.68	-0.68	-0.68	-0.68					
765	SCADA and communications		-0.37	-0.37	-0.37	-0.37	-0.37					
766	IT		-0.93	-0.93	-0.93	-0.93	-0.93					
767	Other non-network assets		-0.85	-0.85	-0.85	-0.85	-0.85					
768	Land & Easements		-	-	-	-	-					
769	Equity raising costs		-	-	-	-	-					
770	Total		-3.91	-3.91	-3.91	-3.91	-3.91					
771	[APROVED]2011 CAPEX Depreciation (\$M real 2017)											
772	Transmission cables		-0.02	-0.02	-0.02	-0.02	-0.02					
773	Transmission steel towers		-0.59	-0.59	-0.59	-0.59	-0.59					
774	Transmission wood poles		-0.20	-0.20	-0.20	-0.20	-0.20					
775	Transmission metering		-	-	-	-	-					
776	Transmission transformers		-0.33	-0.33	-0.33	-0.33	-0.33					
777	Transmission reactors		-0.01	-0.01	-0.01	-0.01	-0.01					
778	Transmission capacitors		-0.04	-0.04	-0.04	-0.04	-0.04					
779	Transmission circuit breakers		-0.75	-0.75	-0.75	-0.75	-0.75					
780	SCADA and communications		-0.41	-0.41	-0.41	-0.41	-0.41					
781	IT		-1.03	-1.03	-1.03	-1.03	-1.03					
782	Other non-network assets		-0.94	-0.94	-0.94	-0.94	-0.94					
783	Land & Easements		-	-	-	-	-					
784	Equity raising costs		-	-	-	-	-					
785	Total		-4.31	-4.31	-4.31	-4.31	-4.31					
786	[APROVED]2012 CAPEX Depreciation (\$M real 2012)											
787	Transmission cables		-	-0.47	-0.47	-0.47	-0.47					
788	Transmission steel towers		-	-0.28	-0.28	-0.28	-0.28					
789	Transmission wood poles		-	-0.59	-0.59	-0.59	-0.59					
790	Transmission metering		-	-	-	-	-					

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Input

	2	3	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5	Project Year		7	8	9	10	11	12	13	14	15	16
6	Regulatory Period		AA3					AA4				
791	Transmission transformers		-	-1.64	-1.64	-1.64	-1.64					
792	Transmission reactors		-	-0.21	-0.21	-0.21	-0.21					
793	Transmission capacitors		-	-0.16	-0.16	-0.16	-0.16					
794	Transmission circuit breakers		-	-0.62	-0.62	-0.62	-0.62					
795	SCADA and communications		-	-1.28	-1.28	-1.28	-1.28					
796	IT		-	-2.58	-2.58	-2.58	-2.58					
797	Other non-network assets		-	-0.73	-0.73	-0.73	-0.73					
798	Land & Easements		-	-	-	-	-					
799	Equity raising costs		-	-0.02	-0.02	-0.02	-0.02					
800	Total		-	-8.57	-8.57	-8.57	-8.57					
801	[APPROVED]2012 CAPEX Depreciation (\$M real 2017)											
802	Transmission cables		-	-0.52	-0.52	-0.52	-0.52					
803	Transmission steel towers		-	-0.31	-0.31	-0.31	-0.31					
804	Transmission wood poles		-	-0.65	-0.65	-0.65	-0.65					
805	Transmission metering		-	-	-	-	-					
806	Transmission transformers		-	-1.81	-1.81	-1.81	-1.81					
807	Transmission reactors		-	-0.23	-0.23	-0.23	-0.23					
808	Transmission capacitors		-	-0.17	-0.17	-0.17	-0.17					
809	Transmission circuit breakers		-	-0.68	-0.68	-0.68	-0.68					
810	SCADA and communications		-	-1.41	-1.41	-1.41	-1.41					
811	IT		-	-2.85	-2.85	-2.85	-2.85					
812	Other non-network assets		-	-0.81	-0.81	-0.81	-0.81					
813	Land & Easements		-	-	-	-	-					
814	Equity raising costs		-	-0.02	-0.02	-0.02	-0.02					
815	Total		-	-9.45	-9.45	-9.45	-9.45					
816	[APPROVED]2013 CAPEX Depreciation (\$M real 2012)											
817	Transmission cables		-	-	-0.66	-0.66	-0.66					
818	Transmission steel towers		-	-	-0.40	-0.40	-0.40					
819	Transmission wood poles		-	-	-0.70	-0.70	-0.70					
820	Transmission metering		-	-	-	-	-					
821	Transmission transformers		-	-	-2.22	-2.22	-2.22					
822	Transmission reactors		-	-	-0.28	-0.28	-0.28					
823	Transmission capacitors		-	-	-0.22	-0.22	-0.22					
824	Transmission circuit breakers		-	-	-0.82	-0.82	-0.82					
825	SCADA and communications		-	-	-1.09	-1.09	-1.09					
826	IT		-	-	-2.49	-2.49	-2.49					
827	Other non-network assets		-	-	-0.72	-0.72	-0.72					
828	Land & Easements		-	-	-	-	-					
829	Equity raising costs		-	-	-0.05	-0.05	-0.05					
830	Total		-	-	-9.64	-9.64	-9.64					
831	[APPROVED]2013 CAPEX Depreciation (\$M real 2017)											
832	Transmission cables		-	-	-0.73	-0.73	-0.73					
833	Transmission steel towers		-	-	-0.44	-0.44	-0.44					
834	Transmission wood poles		-	-	-0.77	-0.77	-0.77					

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Input

	2	3	17	18	19	20	21	22	23	24	25	26	
4	Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
5	Project Year	7	8	9	10	11	12	13	14	15	16		
6	Regulatory Period		AA3					AA4					
835	Transmission metering	-	-	-	-	-	-	-	-	-	-	-	
836	Transmission transformers	-	-	-2.45	-2.45	-2.45	-	-	-	-	-	-	
837	Transmission reactors	-	-	-0.31	-0.31	-0.31	-	-	-	-	-	-	
838	Transmission capacitors	-	-	-0.25	-0.25	-0.25	-	-	-	-	-	-	
839	Transmission circuit breakers	-	-	-0.90	-0.90	-0.90	-	-	-	-	-	-	
840	SCADA and communications	-	-	-1.20	-1.20	-1.20	-	-	-	-	-	-	
841	IT	-	-	-2.74	-2.74	-2.74	-	-	-	-	-	-	
842	Other non-network assets	-	-	-0.79	-0.79	-0.79	-	-	-	-	-	-	
843	Land & Easements	-	-	-	-	-	-	-	-	-	-	-	
844	Equity raising costs	-	-	-0.05	-0.05	-0.05	-	-	-	-	-	-	
845	Total	-	-	-10.63	-10.63	-10.63	-	-	-	-	-	-	
846	[APROVED]2014 CAPEX Depreciation (\$M real 2012)												
847	Transmission cables	-	-	-	-0.33	-0.33	-	-	-	-	-	-	
848	Transmission steel towers	-	-	-	-0.21	-0.21	-	-	-	-	-	-	
849	Transmission wood poles	-	-	-	-0.68	-0.68	-	-	-	-	-	-	
850	Transmission metering	-	-	-	-	-	-	-	-	-	-	-	
851	Transmission transformers	-	-	-	-1.35	-1.35	-	-	-	-	-	-	
852	Transmission reactors	-	-	-	-0.16	-0.16	-	-	-	-	-	-	
853	Transmission capacitors	-	-	-	-0.12	-0.12	-	-	-	-	-	-	
854	Transmission circuit breakers	-	-	-	-0.55	-0.55	-	-	-	-	-	-	
855	SCADA and communications	-	-	-	-1.19	-1.19	-	-	-	-	-	-	
856	IT	-	-	-	-1.46	-1.46	-	-	-	-	-	-	
857	Other non-network assets	-	-	-	-0.50	-0.50	-	-	-	-	-	-	
858	Land & Easements	-	-	-	-	-	-	-	-	-	-	-	
859	Equity raising costs	-	-	-	-0.01	-0.01	-	-	-	-	-	-	
860	Total	-	-	-	-6.54	-6.54	-	-	-	-	-	-	
861	[APROVED]2014 CAPEX Depreciation (\$M real 2017)												
862	Transmission cables	-	-	-	-0.37	-0.37	-	-	-	-	-	-	
863	Transmission steel towers	-	-	-	-0.23	-0.23	-	-	-	-	-	-	
864	Transmission wood poles	-	-	-	-0.74	-0.74	-	-	-	-	-	-	
865	Transmission metering	-	-	-	-	-	-	-	-	-	-	-	
866	Transmission transformers	-	-	-	-1.49	-1.49	-	-	-	-	-	-	
867	Transmission reactors	-	-	-	-0.18	-0.18	-	-	-	-	-	-	
868	Transmission capacitors	-	-	-	-0.13	-0.13	-	-	-	-	-	-	
869	Transmission circuit breakers	-	-	-	-0.61	-0.61	-	-	-	-	-	-	
870	SCADA and communications	-	-	-	-1.31	-1.31	-	-	-	-	-	-	
871	IT	-	-	-	-1.61	-1.61	-	-	-	-	-	-	
872	Other non-network assets	-	-	-	-0.55	-0.55	-	-	-	-	-	-	
873	Land & Easements	-	-	-	-	-	-	-	-	-	-	-	
874	Equity raising costs	-	-	-	-0.01	-0.01	-	-	-	-	-	-	
875	Total	-	-	-	-7.21	-7.21	-	-	-	-	-	-	
876	[APROVED]2015 CAPEX Depreciation (\$M real 2012)												
877	Transmission cables	-	-	-	-	-0.36	-	-	-	-	-	-	
878	Transmission steel towers	-	-	-	-	-0.22	-	-	-	-	-	-	

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Input

	2	3	17	18	19	20	21	22	23	24	25	26		
4	Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022		
5	Project Year	7	8	9	10	11	12	13	14	15	16			
6	Regulatory Period	AA3						AA4						
879	Transmission wood poles		-	-	-	-	-0.81							
880	Transmission metering		-	-	-	-	-							
881	Transmission transformers		-	-	-	-	-1.41							
882	Transmission reactors		-	-	-	-	-0.17							
883	Transmission capacitors		-	-	-	-	-0.12							
884	Transmission circuit breakers		-	-	-	-	-0.57							
885	SCADA and communications		-	-	-	-	-1.70							
886	IT		-	-	-	-	-1.52							
887	Other non-network assets		-	-	-	-	-0.50							
888	Land & Easements		-	-	-	-	-							
889	Equity raising costs		-	-	-	-	-0.03							
890	Total		-	-	-	-	-7.418							
891	[APROVED]2015 CAPEX Depreciation (\$M real 2017)													
892	Transmission cables		-	-	-	-	-0.39							
893	Transmission steel towers		-	-	-	-	-0.24							
894	Transmission wood poles		-	-	-	-	-0.89							
895	Transmission metering		-	-	-	-	-							
896	Transmission transformers		-	-	-	-	-1.56							
897	Transmission reactors		-	-	-	-	-0.19							
898	Transmission capacitors		-	-	-	-	-0.14							
899	Transmission circuit breakers		-	-	-	-	-0.63							
900	SCADA and communications		-	-	-	-	-1.87							
901	IT		-	-	-	-	-1.68							
902	Other non-network assets		-	-	-	-	-0.55							
903	Land & Easements		-	-	-	-	-							
904	Equity raising costs		-	-	-	-	-0.03							
905	Total		-	-	-	-	-8.18							
906	Accelerated Depreciation		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022		
907	[APROVED] Accelerated Depreciation (\$M Nominal)		Approved AA3											
908	Transmission cables													
909	Transmission steel towers													
910	Transmission wood poles													
911	Transmission metering													
912	Transmission transformers													
913	Transmission reactors													
914	Transmission capacitors													
915	Transmission circuit breakers													
916	SCADA and communications													
917	IT													
918	Other non-network assets													
919	Land & Easements													
920	Equity raising costs													
921	Total		-	-	-	-	-							
922	[APROVED]Accelerated Depreciation (\$M real 2017)		Approved AA3						Proposed AA4					

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Input

	2	3	17	18	19	20	21	22	23	24	25	26	
4	Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
5	Project Year	7	8	9	10	11	12	13	14	15	16		
6	Regulatory Period		AA3					AA4					
923	Transmission cables	-	-	-	-	-	-	-	-	-	-	-	
924	Transmission steel towers	-	-	-	-	-	-	-	-	-	-	-	
925	Transmission wood poles	-	-	-	-	-	-	-	-	-	-	-	
926	Transmission metering	-	-	-	-	-	-	-	-	-	-	-	
927	Transmission transformers	-	-	-	-	-	-	-	-	-	-	-	
928	Transmission reactors	-	-	-	-	-	-	-	-	-	-	-	
929	Transmission capacitors	-	-	-	-	-	-	-	-	-	-	-	
930	Transmission circuit breakers	-	-	-	-	-	-	-	-	-	-	-	
931	SCADA and communications	-	-	-	-	-	-	-	-	-	-	-	
932	IT	-	-	-	-	-	-	-	-	-	-	-	
933	Other non-network assets	-	-	-	-	-	-	-	-	-	-	-	
934	Land & Easements	-	-	-	-	-	-	-	-	-	-	-	
935	Equity raising costs	-	-	-	-	-	-	-	-	-	-	-	
936	Total	-	-	-	-	-	-	-	-	-	-	-	
937													
938	Redundant Asset		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
939	[ACTUAL] Redundant Asset (\$M Nominal)		Actual AA3										
940	Transmission cables	-	-	-	-	-	-	-	-	-	-	-	
941	Transmission steel towers	-	-	-	-	-	-	-	-	-	-	-	
942	Transmission wood poles	-	-	-	-	-	-	-	-	-	-	-	
943	Transmission metering	-	-	-	-	-	-	-	-	-	-	-	
944	Transmission transformers	1.11	3.26	0.78	1.03	-	-	-	-	-	-	-	
945	Transmission reactors	-	-	-	-	-	-	-	-	-	-	-	
946	Transmission capacitors	-	-	-	-	-	-	-	-	-	-	-	
947	Transmission circuit breakers	-	-	-	-	-	-	-	-	-	-	-	
948	SCADA and communications	-	-	-	-	-	-	-	-	-	-	-	
949	IT	-	-	-	-	-	-	-	-	-	-	-	
950	Other non-network assets	0.02	-	0.46	1.09	0.12	-	-	-	-	-	-	
951	Land & Easements	2.98	0.79	7.79	57.37	1.33	-	-	-	-	-	-	
952	Equity raising costs	-	-	-	-	-	-	-	-	-	-	-	
953	Total	4.11	4.05	9.03	59.49	1.45	-	-	-	-	-	-	
954													
955	[ACTUAL]Redundant Asset (\$M real 2017)		Actual AA3										
956	Transmission cables	-	-	-	-	-	-	-	-	-	-	-	
957	Transmission steel towers	-	-	-	-	-	-	-	-	-	-	-	
958	Transmission wood poles	-	-	-	-	-	-	-	-	-	-	-	
959	Transmission metering	-	-	-	-	-	-	-	-	-	-	-	
960	Transmission transformers	1.191	3.410	0.804	1.050	-	-	-	-	-	-	-	
961	Transmission reactors	-	-	-	-	-	-	-	-	-	-	-	
962	Transmission capacitors	-	-	-	-	-	-	-	-	-	-	-	
963	Transmission circuit breakers	-	-	-	-	-	-	-	-	-	-	-	
964	SCADA and communications	-	-	-	-	-	-	-	-	-	-	-	
965	IT	-	-	-	-	-	-	-	-	-	-	-	
966	Other non-network assets	0.026	-	0.471	1.115	0.121	-	-	-	-	-	-	

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Input

	2	3	17	18	19	20	21	22	23	24	25	26	
4	Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
5	Project Year	7	8	9	10	11	12	13	14	15	16		
6	Regulatory Period		AA3					AA4					
967	Land & Easements		3.208	0.827	8.026	58.479	1.328						
968	Equity raising costs		-	-	-	-	-						
969	Total		4.424	4.237	9.301	60.644	1.449						
970	Operating Expenditure		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
971	[APPROVED] OPEX		Approved AA3 (\$M real 30/06/2012)										
972	SCADA & Communications		12.23	12.33	12.45	12.55	12.89						
973	Misc Network Services		-	-	-	-	-						
974	Network Operations		9.83	9.86	9.90	9.89	9.88						
975	Maintenance Strategy		-	-	-	-	-						
976	Preventive Condition		9.98	10.06	10.16	10.25	10.54						
977	Preventive Routine		17.57	17.70	17.87	18.00	18.52						
978	Corrective Deferred		10.21	10.29	10.38	10.46	10.75						
979	Corrective Emergency		1.15	1.15	1.15	1.15	1.20						
980	Business Support		40.04	40.10	40.09	41.59	42.04						
981	Non-recurring opex		3.01	1.76	1.58	1.79	2.38						
982	Total		104.03	103.26	103.57	105.69	108.20						
983	[ACTUAL] OPEX (\$M Nominal)		Actual AA3					Modelled AA4					
984	SCADA & Communications		11.62	10.63	11.76	12.60	10.88	10.27	10.23	10.39	10.98	11.08	
985	Non-revenue cap services		12.61	4.56	3.38	5.38	4.03	-	-	-	-	-	
986	Network Operations		6.67	8.04	5.68	5.84	4.65	4.58	4.64	4.71	4.79	4.84	
987	Maintenance Strategy		-	-	-	-	-	-	-	-	-	-	
988	Preventive Condition		9.78	9.25	7.54	11.31	13.62	13.08	13.03	13.23	13.99	14.10	
989	Preventive Routine		22.09	20.91	23.47	22.91	20.54	19.71	19.64	19.95	21.08	21.25	
990	Corrective Deferred		10.18	8.84	8.97	10.31	9.45	8.97	8.94	9.08	9.59	9.67	
991	Corrective Emergency		2.15	2.09	2.36	3.06	2.16	2.08	2.07	2.10	2.22	2.24	
992	Business Support		32.84	40.19	31.76	42.65	41.28	23.82	23.95	24.23	23.81	22.81	
993	Non-recurring opex		10.72	12.50	22.09	10.08	-0.97	6.18	6.15	6.25	6.60	6.66	
994	Total		118.66	117.02	117.01	124.13	105.65	88.68	88.65	89.95	93.07	92.66	
995	[APPROVED] OPEX (\$M real 30/06/2017)		Approved AA3										
996	SCADA & Communications		13.48	13.59	13.72	13.83	14.21						
997	Misc Network Services		-	-	-	-	-						
998	Network Operations		10.84	10.87	10.91	10.91	10.90						
999	Maintenance Strategy		-	-	-	-	-						
1000	Preventive Condition		11.00	11.10	11.21	11.30	11.62						
1001	Preventive Routine		19.37	19.52	19.70	19.85	20.42						
1002	Corrective Deferred		11.26	11.35	11.45	11.53	11.85						
1003	Corrective Emergency		1.27	1.27	1.27	1.27	1.32						
1004	Business Support		44.14	44.21	44.20	45.86	46.35						
1005	Non-recurring opex		3.32	1.94	1.74	1.98	2.63						
1006	Total		114.70	113.85	114.19	116.53	119.30						
1007	[ACTUAL] OPEX (\$M real 30/06/2017)		Actual AA3					Modelled AA4					
1008	SCADA & Communications		12.51	11.11	12.10	12.84	10.88	10.09	9.87	9.84	10.21	10.11	
1009	Non-revenue cap services		13.58	4.77	3.48	5.49	4.03	-	-	-	-	-	

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Input

	2	3	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5	Project Year		7	8	9	10	11	12	13	14	15	16
6	Regulatory Period			AA3				AA4				
1010	Network Operations		7.18	8.41	5.85	5.95	4.65	4.50	4.47	4.46	4.45	4.42
1011	Maintenance Strategy		-	-	-	-	-	-	-	-	-	-
1012	Preventive Condition		10.53	9.67	7.76	11.53	13.62	12.84	12.56	12.53	13.00	12.87
1013	Preventive Routine		23.79	21.86	24.17	23.35	20.54	19.35	18.93	18.89	19.60	19.40
1014	Corrective Deferred		10.97	9.24	9.24	10.51	9.45	8.81	8.62	8.59	8.92	8.83
1015	Corrective Emergency		2.31	2.19	2.43	3.12	2.16	2.04	2.00	1.99	2.07	2.05
1016	Business Support		35.36	42.01	32.70	43.47	41.28	23.39	23.10	22.94	22.13	20.83
1017	Non-recurring opex		11.55	13.07	22.75	10.28	0.97	6.06	5.93	5.92	6.14	6.08
1018	Total		127.78	122.32	120.50	126.53	105.65	87.08	85.47	85.16	86.52	84.59
1019	Deferred Revenue											
1020	Deferred Revenue (\$M real 30/06/2012) at the beginning of AA3											
1021	Deferred Revenue (\$M real 30/06/2017)											
1022	Recovery period (year)											
1023	Working Capital											
1024	Receivables											
1025	Inventory											
1026	Prepayment											
1027	Creditors											
1028	2017 Closing Balance (\$M Real 30/06/2012)											
1029	2017 Closing Balance (\$M Real 30/06/2017)											
1030	Energy Transported (GWh)											
1031			2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
			Actual AA3				Proposed AA4					
1032	Actual/Forecasted		16,936	17,509	17,587	17,875	17,764	17,698	17,663	17,628	17,502	17,309

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]
Adjustment Input

2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21									
4	Inflation					2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022						
5	Year ending 30 June Financial Year					0.776	0.792	0.828	0.840	0.865	0.896	0.907	0.929	0.957	0.971	0.981	1.000	1.018	1.037	1.056	1.076	1.095						
7	Service Standard adjustment mechanism (SSAM)																											
8	Year Ending 30 June					2013	2014	2015	2016	2017	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017								

9 **SSAM revenue at risk**

10	Distribution revenue at risk	5%	5%	5%	5%	5%																							
11	Transmission revenue at risk	1%	1%	1%	1%	1%																							

13 **Distribution Performance**

	Actual AA3					
14	SAIDI - CBD (minutes per annum)	7.6	18.3	26.2	22.6	13.8
15	SAIDI - Urban (minutes per annum)	102.7	107.4	103.0	91.3	104.4
16	SAIDI - Rural Short (minutes per annum)	181.4	171.2	182.6	168.4	175.6
17	SAIDI - Rural Long (minutes per annum)	685.4	673.8	677.5	582.6	626.2
18	SAIFI - CBD (interruptions per annum)	0.0	0.2	0.2	0.1	0.1
19	SAIFI - Urban (interruptions per annum)	1.2	1.1	1.1	0.9	1.0
20	SAIFI - Rural Short (interruptions per annum)	2.2	1.8	2.0	1.8	1.8
21	SAIFI - Rural Long (interruptions per annum)	4.9	5.0	4.4	4.0	4.0
22	Call centre performance (% of calls per year)	90.6	92.8	93.7	91.4	91.8
23	Street Lighting repair time - Metropolitan area	1.2	1.1	1.3	1.6	2.5
24	Street Lighting repair time - Regional area	2.0	1.1	1.3	0.9	4.6

	Benchmark				
	39.9	39.9	39.9	39.9	39.9
	183.0	183.0	183.0	183.0	183.0
	227.8	227.8	227.8	227.8	227.8
	724.8	724.8	724.8	724.8	724.8
	0.3	0.3	0.3	0.3	0.3
	2.1	2.1	2.1	2.1	2.1
	2.6	2.6	2.6	2.6	2.6
	4.5	4.5	4.5	4.5	4.5
	77.5	77.5	77.5	77.5	77.5
	5.0	5.0	5.0	5.0	5.0
	9.0	9.0	9.0	9.0	9.0

	Target				
	20.3	20.3	20.3	20.3	20.3
	136.6	136.6	136.6	136.6	136.6
	207.8	207.8	207.8	207.8	207.8
	582.2	582.2	582.2	582.2	582.2
	0.1	0.1	0.1	0.1	0.1
	1.4	1.4	1.4	1.4	1.4
	2.3	2.3	2.3	2.3	2.3
	4.1	4.1	4.1	4.1	4.1
	87.6	87.6	87.6	87.6	87.6
	n/a	n/a	n/a	n/a	n/a
	n/a	n/a	n/a	n/a	n/a

26 **Transmission performance**

	Actual AA3					
27	Circuit Availability (% of hours per annum)	98.4	98.0	98.5	98.7	98.9
28	System Minutes Interrupted - Meshed (minutes per annum)	4.5	4.8	6.6	6.8	8.2
29	System Minutes Interrupted - Radial (minutes per annum)	1.2	3.7	1.6	0.5	0.7
30	Loss of Supply Event Frequency > 0.1 (# of events)	11.0	17.0	24.0	15.0	16.0
31	Loss of Supply Event Frequency > 1 (# of events)	1.0	1.0	-	1.0	2.0
32	Average Outage Duration (minutes per annum)	866.0	795.0	720.0	1,265.0	653.0

	Benchmark				
	97.7	97.7	97.7	97.7	97.7
	12.5	12.5	12.5	12.5	12.5
	5.0	5.0	5.0	5.0	5.0
	33.0	33.0	33.0	33.0	33.0
	4.0	4.0	4.0	4.0	4.0
	886.0	886.0	886.0	886.0	886.0

	Target				
	98.1	98.1	98.1	98.1	98.1
	n/a	n/a	n/a	n/a	n/a
	1.9	1.9	1.9	1.9	1.9
	24.0	24.0	24.0	24.0	24.0
	2.0	2.0	2.0	2.0	2.0
	698.0	698.0	698.0	698.0	698.0

34 **Distribution incentive rates**

	[\$M real as at 30 June 2012]					
35	SAIDI - CBD - per SAIDI minute	0.068	0.068	0.068	0.068	0.068
36	SAIDI - Urban - per SAIDI minute	0.530	0.530	0.530	0.530	0.530
37	SAIDI - Rural Short - per SAIDI minute	0.223	0.223	0.223	0.223	0.223
38	SAIDI - Rural Long - per SAIDI minute	0.065	0.065	0.065	0.065	0.065
39	SAIFI - CBD - per 0.01 event	0.087	0.087	0.087	0.087	0.087
40	SAIFI - Urban - per 0.01 event	0.549	0.549	0.549	0.549	0.549
41	SAIFI - Rural Short - per 0.01 event	0.223	0.223	0.223	0.223	0.223
42	SAIFI - Rural Long - per 0.01 event	0.102	0.102	0.102	0.102	0.102
43	Call centre performance - per 0.1%	- 0.041	- 0.041	- 0.041	- 0.041	- 0.041

	[\$M real as at 30 June 2017]				
	0.07	0.07	0.07	0.07	0.07
	0.58	0.58	0.58	0.58	0.58
	0.25	0.25	0.25	0.25	0.25
	0.07	0.07	0.07	0.07	0.07
	0.10	0.10	0.10	0.10	0.10
	0.61	0.61	0.61	0.61	0.61
	0.25	0.25	0.25	0.25	0.25
	0.11	0.11	0.11	0.11	0.11
	- 0.05	- 0.05	- 0.05	- 0.05	- 0.05

45 **Transmission incentive rates**

	[\$M real as at 30 June 2012]					
46	Circuit Availability - per 0.1%	- 0.817	- 0.817	- 0.817	- 0.817	- 0.817
47	System Minutes Interrupted - Radial - per minute	0.105	0.105	0.105	0.105	0.105
48	Loss of Supply Event Frequency >0.1 - per event	0.036	0.036	0.036	0.036	0.036
49	Loss of Supply Event Frequency >1 - per event	0.163	0.163	0.163	0.163	0.163
50	Average Outage Duration - per minute	0.003	0.003	0.003	0.003	0.003

	[\$M real as at 30 June 2017]				
	- 0.90	- 0.90	- 0.90	- 0.90	- 0.90
	0.12	0.12	0.12	0.12	0.12
	0.04	0.04	0.04	0.04	0.04
	0.18	0.18	0.18	0.18	0.18
	0.00	0.00	0.00	0.00	0.00

52 **Distribution penalty rates**

	[\$M real as at 30 June 2012]					
53	SAIDI - CBD - per SAIDI minute	0.068	0.068	0.068	0.068	0.068
54	SAIDI - Urban - per SAIDI minute	0.530	0.530	0.530	0.530	0.530
55	SAIDI - Rural Short - per SAIDI minute	0.223	0.223	0.223	0.223	0.223
56	SAIDI - Rural Long - per SAIDI minute	0.065	0.065	0.065	0.065	0.065
57	SAIFI - CBD - per 0.01 event	0.087	0.087	0.087	0.087	0.087
58	SAIFI - Urban - per 0.01 event	0.549	0.549	0.549	0.549	0.549

	[\$M real as at 30 June 2017]				
	0.07	0.07	0.07	0.07	0.07
	0.58	0.58	0.58	0.58	0.58
	0.25	0.25	0.25	0.25	0.25
	0.07	0.07	0.07	0.07	0.07
	0.10	0.10	0.10	0.10	0.10
	0.61	0.61	0.61	0.61	0.61

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Adjustment Input

	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
4 Inflation							2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5 Year ending 30 June Financial Year							0.776	0.792	0.828	0.840	0.865	0.896	0.907	0.929	0.957	0.971	0.981	1.000	1.018	1.037	1.056	1.076	1.095
59 SAIFI - Rural Short - per 0.01 event							0.223	0.223	0.223	0.223	0.223		0.25	0.25	0.25	0.25	0.25						
60 SAIFI - Rural Long - per 0.01 event							0.102	0.102	0.102	0.102	0.102		0.11	0.11	0.11	0.11	0.11						
61 Call centre performance - per 0.1%							- 0.041	- 0.041	- 0.041	- 0.041	- 0.041		- 0.05	- 0.05	- 0.05	- 0.05	- 0.05						
62																							
63 Transmission penalty rates							[\$M real as at 30 June 2012]					[\$M real as at 30 June 2017]											
64 Circuit Availability - per 0.1%							- 0.409	- 0.409	- 0.409	- 0.409	- 0.409		- 0.45	- 0.45	- 0.45	- 0.45	- 0.45						
65 System Minutes Interrupted - Radial - per minute							0.172	0.172	0.172	0.172	0.172		0.19	0.19	0.19	0.19	0.19						
66 Loss of Supply Event Frequency >0.1 - per event							0.027	0.027	0.027	0.027	0.027		0.03	0.03	0.03	0.03	0.03						
67 Loss of Supply Event Frequency >1 - per event							0.163	0.163	0.163	0.163	0.163		0.18	0.18	0.18	0.18	0.18						
68 Average Outage Duration - per minute							0.002	0.002	0.002	0.002	0.002		0.00	0.00	0.00	0.00	0.00						
69																							
70 Gain share mechanism (GSM)																							
71 Year Ending 30 June							2011	2012	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017					
72 Forecasted Escalation factors																							
73 Customer numbers escalation							2.41%	2.41%	2.41%	2.41%	2.41%	2.41%											
74 Line length (a)							1.31%	1.31%	1.31%	1.31%	1.31%	1.31%											
75 Number of distribution transformers (b)							1.33%	1.33%	1.33%	1.33%	1.33%	1.33%											
76 Zone substation capacity (c)							3.65%	3.65%	3.65%	3.65%	3.65%	3.65%											
77 Network growth escalation							2.10%	2.10%	2.10%	2.10%	2.10%	2.10%											
78																							
79 Actual escalation factors																							
80 Number of customers							1,010,663	1,016,000	1,050,696	1,057,867	1,084,197	1,109,915	1,127,057										
81 Line Length							96,189	97,558	97,644	98,967	100,303	101,097	101,634										
82 Number of distribution transformers							64,587	65,519	65,828	66,815	67,554	68,125	68,560										
83 Zone substation capacity							7,712	8,055	8,121	8,458	8,407	8,175	8,217										
84																							
85 Operating expenditure - Final decision efficiency and innovation benchmark (EIB)																							
86 ERA Final Decision EIB categories							[\$M real as at 30 June 2012]					[\$M real as at 30 June 2017]											
87 Superannuation costs for defined benefit schemes							2.89	2.95	3.02	3.08	3.14		3.18	3.25	3.33	3.40	3.47						
88 Non-revenue cap services cost							-	-	-	-	-		-	-	-	-	-						
89 Licence fees							0.05	0.05	0.05	0.05	0.05		0.05	0.05	0.05	0.05	0.05						
90 Energy safety levy							4.12	4.12	4.12	4.12	4.12		4.54	4.54	4.54	4.54	4.54						
91 Network control service							-	-	-	-	-		-	-	-	-	-						
92 ERA costs (Electricity Network Access Funding Regulations)							0.87	1.35	1.24	1.16	1.17		0.96	1.49	1.37	1.28	1.29						
93							7.919	8.466	8.421	8.406	8.475												
94 Operating expenditure subject to scale escalation by regulatory category																							
95 Base distribution							[\$M real as at 30 June 2012]					[\$M real as at 30 June 2017]											
96 Reliability							1.50	1.50	1.50	1.50	1.50		1.66	1.66	1.66	1.66	1.66						
97 SCADA & Communications							4.10	4.10	4.10	4.10	4.10		4.52	4.52	4.52	4.52	4.52						
98 Non-revenue cap services							-	-	-	-	-		-	-	-	-	-						
99 Network Operations							14.48	14.48	14.48	14.48	14.48		15.96	15.96	15.96	15.96	15.96						
100 Smartgrid							-	-	-	-	-		-	-	-	-	-						
101 Maintenance Strategy							-	-	-	-	-		-	-	-	-	-						
102 Preventive Condition							39.63	39.63	39.63	39.63	39.63		43.69	43.69	43.69	43.69	43.69						
103 Preventive Routine							33.06	33.06	33.06	33.06	33.06		36.45	36.45	36.45	36.45	36.45						
104 Corrective Deferred							23.47	23.47	23.47	23.47	23.47		25.87	25.87	25.87	25.87	25.87						
105 Corrective Emergency							59.20	59.20	59.20	59.20	59.20		65.28	65.28	65.28	65.28	65.28						
106 Call Centre							6.91	6.91	6.91	6.91	6.91		7.62	7.62	7.62	7.62	7.62						
107 Metering							18.54	18.54	18.54	18.54	18.54		20.44	20.44	20.44	20.44	20.44						
108 Guaranteed service level payments							-	-	-	-	-		-	-	-	-	-						
109 Design & Estimating - Distribution Quotations							-	-	-	-	-		-	-	-	-	-						
110 Business Support							-	-	-	-	-		-	-	-	-	-						

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD] Adjustment Input

	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
4 Inflation					2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5 Year ending 30 June Financial Year					0.776	0.792	0.828	0.840	0.865	0.896	0.907	0.929	0.957	0.971	0.981	1.000	1.018	1.037	1.056	1.076	1.095
6																					
111 IT					-	-	-	-	-												
112 Non-recurring opex					-	-	-	-	-												
113 Total					200.884	200.884	200.884	200.884	200.884		221.49	221.49	221.49	221.49	221.49						
114																					
115 New distribution operating expenditure recurring from 2012/13					[\$M real as at 30 June 2012]					[\$M real as at 30 June 2017]											
116 Reliability					-	-	-	-	-												
117 SCADA & Communications					-	-	-	-	-												
118 Non-revenue cap services					-	-	-	-	-												
119 Network Operations					-	-	-	-	-												
120 Smartgrid					-	-	-	-	-												
121 Maintenance Strategy					-	-	-	-	-												
122 Preventive Condition					-	-	-	-	-												
123 Preventive Routine					3.77	3.77	3.77	3.77	3.77		4.16	4.16	4.16	4.16	4.16						
124 Corrective Deferred					2.30	2.30	2.30	2.30	2.30		2.54	2.54	2.54	2.54	2.54						
125 Corrective Emergency					-	-	-	-	-		-	-	-	-	-						
126 Call Centre					-	-	-	-	-		-	-	-	-	-						
127 Metering					0.50	0.50	0.50	0.50	0.50		0.55	0.55	0.55	0.55	0.55						
128 Guaranteed service level payments					-	-	-	-	-		-	-	-	-	-						
129 Design & Estimating - Distribution Quotations					-	-	-	-	-		-	-	-	-	-						
130 Business Support					-	-	-	-	-		-	-	-	-	-						
131 IT					-	-	-	-	-		-	-	-	-	-						
132 Non-recurring opex					-	-	-	-	-		-	-	-	-	-						
133 Total					6.570	6.570	6.570	6.570	6.570		7.24	7.24	7.24	7.24	7.24						
134																					
135 New distribution operating expenditure recurring from 2013/14					[\$M real as at 30 June 2012]					[\$M real as at 30 June 2017]											
136 Reliability					-	-	-	-	-												
137 SCADA & Communications					-	-	-	-	-												
138 Non-revenue cap services					-	-	-	-	-												
139 Network Operations					-	-	-	-	-												
140 Smartgrid					-	-	-	-	-												
141 Maintenance Strategy					-	-	-	-	-												
142 Preventive Condition					-	-	-	-	-												
143 Preventive Routine					-	1.40	1.40	1.40	1.40		-	1.54	1.54	1.54	1.54						
144 Corrective Deferred					-	-	-	-	-		-	-	-	-	-						
145 Corrective Emergency					-	-	-	-	-		-	-	-	-	-						
146 Call Centre					-	-	-	-	-		-	-	-	-	-						
147 Metering					-	-	-	-	-		-	-	-	-	-						
148 Guaranteed service level payments					-	-	-	-	-		-	-	-	-	-						
149 Design & Estimating - Distribution Quotations					-	-	-	-	-		-	-	-	-	-						
150 Business Support					-	-	-	-	-		-	-	-	-	-						
151 IT					-	-	-	-	-		-	-	-	-	-						
152 Non-recurring opex					-	-	-	-	-		-	-	-	-	-						
153 Total					-	1.400	1.400	1.400	1.400		-	1.54	1.54	1.54	1.54						
154																					
155 Base Transmission					[\$M real as at 30 June 2012]					[\$M real as at 30 June 2017]											
156 SCADA & Communications					8.89	8.89	8.89	8.89	8.89		9.81	9.81	9.81	9.81	9.81						
157 Non-revenue cap services					-	-	-	-	-		-	-	-	-	-						
158 Network Operations					9.60	9.60	9.60	9.60	9.60		10.59	10.59	10.59	10.59	10.59						
159 Maintenance Strategy					-	-	-	-	-		-	-	-	-	-						
160 Preventive Condition					7.95	7.95	7.95	7.95	7.95		8.77	8.77	8.77	8.77	8.77						
161 Preventive Routine					13.97	13.97	13.97	13.97	13.97		15.41	15.41	15.41	15.41	15.41						

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD] Adjustment Input

	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21					
4 Inflation						2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022			
5 Year ending 30 June Financial Year						0.776	0.792	0.828	0.840	0.865	0.896	0.907	0.929	0.957	0.971	0.981	1.000	1.018	1.037	1.056	1.076	1.095			
6																									
162 Corrective Deferred						8.12	8.12	8.12	8.12	8.12						8.96	8.96	8.96	8.96	8.96					
163 Corrective Emergency						0.75	0.75	0.75	0.75	0.75						0.82	0.82	0.82	0.82	0.82					
164 Business Support						-	-	-	-	-						-	-	-	-	-					
165 Non-recurring opex						-	-	-	-	-						-	-	-	-	-					
166 Total						49.292	49.292	49.292	49.292	49.292						54.35	54.35	54.35	54.35	54.35					
167																									
168 New transmission operating expenditure recurring from 2012/13						[\$M real as at 30 June 2012]					[\$M real as at 30 June 2017]														
169 SCADA & Communications						1.00	1.00	1.00	1.00	1.00						1.10	1.10	1.10	1.10	1.10					
170 Non-revenue cap services						-	-	-	-	-						-	-	-	-	-					
171 Network Operations						-	-	-	-	-						-	-	-	-	-					
172 Maintenance Strategy						-	-	-	-	-						-	-	-	-	-					
173 Preventive Condition						0.02	0.02	0.02	0.02	0.02						0.02	0.02	0.02	0.02	0.02	0.02				
174 Preventive Routine						0.02	0.02	0.02	0.02	0.02						0.02	0.02	0.02	0.02	0.02	0.02				
175 Corrective Deferred						0.06	0.06	0.06	0.06	0.06						0.07	0.07	0.07	0.07	0.07					
176 Corrective Emergency						-	-	-	-	-						-	-	-	-	-					
177 Business Support						-	-	-	-	-						-	-	-	-	-					
178 Non-recurring opex						-	-	-	-	-						-	-	-	-	-					
179 Total						1.100	1.100	1.100	1.100	1.100						1.21	1.21	1.21	1.21	1.21					
180						257.85	259.25	259.25	259.25	259.25						257.85	259.25	259.25	259.25	259.25					
181 Actual operating expenditure in EIB category (\$ Nominal)						[\$M nominal]					[\$M real as at 30 June 2017]														
182 Distribution						2013	2014	2015	2016	2017	2013	2014	2015	2016	2017										
183 D-Factor Scheme						1.96	1.71	1.61	1.51	0.62	2.11	1.78	1.66	1.54	0.62										
184 Technical rule changes						-	-	-	-	-	-	-	-	-	-										
185 Unforeseen events						-	-	-	-	-	-	-	-	-	-										
186 Superannuation for defined benefit schemes						0.06	0.38	-	0.20	0.21	0.06	0.39	-	0.21	0.21										
187 Non-revenue cap services						19.01	12.18	12.77	11.96	13.21	20.47	12.73	13.14	12.19	13.21										
188 License fees						0.04	0.03	0.34	-	-	0.04	0.03	0.35	-	-										
189 Energy safety levy						2.67	2.76	4.15	3.05	3.13	2.87	2.88	4.28	3.11	3.13										
190 Network Control Services						-	-	-	-	-	-	-	-	-	-										
191 ERA costs (Electricity Network Access Funding Regulations)						0.47	0.53	0.39	0.55	0.37	0.51	0.55	0.41	0.56	0.37										
192																									
193																									
194 Transmission						2013	2014	2015	2016	2017	2013	2014	2015	2016	2017										
195 D-Factor Scheme						-	-	-	-	-	-	-	-	-	-										
196 Technical rule changes						-	-	-	-	-	-	-	-	-											
197 Unforeseen events						-	-	-	-	-	-	-	-	-											
198 Superannuation for defined benefit schemes						0.03	0.12	-	0.07	0.08	0.03	0.12	-	0.08	0.08										
199 Non-revenue cap services						12.61	4.56	3.38	5.38	4.03	13.58	4.77	3.48	5.49	4.03										
200 License fees						0.02	0.02	-	-	-	0.02	0.02	-	-	-										
201 Energy safety levy						1.35	1.36	-	1.27	1.30	1.45	1.42	-	1.29	1.30										
202 Network Control Services						-	-	-	-	-	-	-	-	-	-										
203 ERA costs (Electricity Network Access Funding Regulations)						0.24	0.26	-	0.23	0.15	0.26	0.27	-	0.23	0.15										
204																									
205 Investment adjustment mechanism (IAM) category inclusion flags [1=Include, 0=Exclude]																									
206 Year Ending 30 June						2013	2014	2015	2016	2017	2018	2019	2020	2021	2022										
207 Distribution IAM category inclusion flags [1=Include, 0=Exclude]						Actual AA3					Proposed AA4														
208 Growth						1	1	1	1	1	1	1	1	1	1										
209 Capacity Expansion						1	1	1	1	1	1	1	1	1	1										
210 Customer Driven						0	0	0	0	0	0	0	0	0											
211 Gifted Assets						0	0	0	0	0	0	0	0	0											
212 Asset replacement and renewal																									
213 Asset Replacement						0	0	0	0	0	0	0	0	0	0										

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD] Adjustment Input

	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
4 Inflation							2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5 Year ending 30 June Financial Year							0.776	0.792	0.828	0.840	0.865	0.896	0.907	0.929	0.957	0.971	0.981	1.000	1.018	1.037	1.056	1.076	1.095
6																							
214 State Undergrounding Power Program (SUPP)							1	1	1	1	1		1	1	1	1							
215 Metering							0	0	0	0	0		1	1	1	1							
216 Smartgrid							0	0	0	0	0		0	0	0	0							
217 Wood Pole Management							1	1	1	1	1		0	0	0	0							
218 Improvement in service																							
219 Reliability Driven							0	0	0	0	0		0	0	0	0							
220 Rural Power Improvement Program (RPIP)							1	1	1	1	1		0	0	0	0							
221 SCADA & Communications							0	0	0	0	0		0	0	0	0							
222 Compliance																							
223 Safety, Environmental & Statutory							0	0	0	0	0		0	0	0	0							
224 Corporate																							
225 IT							0	0	0	0	0		0	0	0	0							
226 Business Support							0	0	0	0	0		0	0	0	0							
227 Equity Raising Costs							0	0	0	0	0		0	0	0	0							
228																							
229 Transmission IAM category inclusion flags [1=Include, 0=Exclude]																							
230 Growth							Actual AA3					Proposed AA4											
231 Capacity Expansion							1	1	1	1	1		1	1	1	1							
232 Customer Driven							1	1	1	1	1		1	1	1	1							
233 Generation Driven							1	1	1	1	1		1	1	1	1							
234 Gifted Assets							0	0	0	0	0		0	0	0	0							
235 Asset replacement and renewal																							
236 Asset Replacement							0	0	0	0	0		0	0	0	0							
237 Improvement in service																							
238 Reliability Driven							0	0	0	0	0		0	0	0	0							
239 SCADA & Communications							0	0	0	0	0		0	0	0	0							
240 Compliance																							
241 Safety, Environmental & Statutory							0	0	0	0	0		0	0	0	0							
242 Corporate																							
243 IT							0	0	0	0	0		0	0	0	0							
244 Business Support							0	0	0	0	0		0	0	0	0							
245 Equity Raising Costs							0	0	0	0	0		0	0	0	0							
246																							
247 Other Adjustment																							
248 Year Ending 30 June																							
249 Distribution																							
250 Unforeseen events revenue adjustment [\$M nominal]																							
251 Technical rule change revenue adjustment [\$M nominal]																							
252 D-Factor adjustment [\$M nominal]																							
253																							
254 Unforeseen events revenue adjustment [\$M real as at 30 June 2017]																							
255 Technical rule change revenue adjustment [\$M real as at 30 June 2017]																							
256 D-Factor adjustment [\$M real as at 30 June 2017]																							
257																							
258 Transmission																							
259 Unforeseen events revenue adjustment [\$M nominal]																							
260 Technical rule change revenue adjustment [\$M nominal]																							
261 D-Factor adjustment [\$M nominal]																							
262																							
263 Unforeseen events revenue adjustment [\$M real as at 30 June 2017]																							
264 Technical rule change revenue adjustment [\$M real as at 30 June 2017]																							
265 D-Factor adjustment [\$M real as at 30 June 2017]																							

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Adjustment Input

	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
4 Inflation							2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5 Year ending 30 June Financial Year							0.776	0.792	0.828	0.840	0.865	0.896	0.907	0.929	0.957	0.971	0.981	1.000	1.018	1.037	1.056	1.076	1.095
6																							
266																							
267 K-Factor																							
268 Year ending 30 June							2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017					
269 Actual and Forecast Infaltion (year ending 30 December for K factor calculation)																							
270 December CPI									166.0	169.5	174.0	179.4											
271 December CPI (rebased)												99.8	102.0	104.8	106.6	108.4	110.0						
272 Actual and Forecast Inflation										2.11%	2.65%	3.10%	2.20%	2.75%	1.72%	1.69%	1.48%						
273 End of year inflation factor									0.925	0.945	0.970	1.000	1.022	1.050	1.068	1.086	1.102						
274																							
275 Revenue																							
276 Forecast revenue																							
277 Distribution																							
278 Transmission																							
279																							
280 Actual revenue [\$M nominal]																							
281 Distribution																							
282 Transmission																							
283																							
284 Target revenue																							
285 Distribution																							
286 Transmission																							
287																							
288 Maximum revenue																							
289 Distribution																							
290 Transmission																							
291																							
292 Revenue (\$M real 30 June 2012)																							
293 Forecast revenue																							
294 Distribution																							
295 Transmission																							
296																							
297 Actual revenue																							
298 Distribution																							
299 Transmission																							
300																							
301 Target revenue																							
302 Distribution																							
303 Transmission																							
304																							
305 Maximum revenue																							
306 Distribution																							
307 Transmission																							

ERA Western Power AA4 Revenue Model, February 2019 [Post FD]

Distribution Asset

	2	3	4	5	6	7	8	9	17	18	19	20	21	22	23	24	25	26		
4 Year Ending 30 June							2013	2014	2015	2016	2017	2018	2019	2020	2021	2022				
5 Project Year							7	8	9	10	11	12	13	14	15	16				
6 Regulatory Period							AA3						AA4							
7 Distribution RAB Summary																				
8 Opening Asset Value							4,248.70	4,708.48	5,142.93	5,494.34	5,723.088	5,798.406	6,008.629	6,205.559	6,433.221	6,565.645				
9 Capex							678.55	671.44	618.25	498.05	357.433	472.258	479.433	511.244	401.520	401.434				
10 Depreciation							-214.05	-236.18	-261.90	-266.49	-281.497	-257.666	-275.604	-279.215	-269.096	-261.858				
11 Accelerated Depreciation							-3.80	-0.51	-	-	-	-4.369	-6.899	-4.368	-	-				
12 Redundant Asset							-0.93	-0.30	-4.93	-2.81	-0.618	-	-	-	-	-				
13 Closing Asset Value							4,708.48	5,142.93	5,494.34	5,723.09	5,798.406	6,008.629	6,205.559	6,433.221	6,565.645	6,705.220				
14																				
15 Distribution RAB by asset categories																				
16 Opening Value																				
17 Wooden Pole Lines							1,247.08	1,512.21	1,831.22	2,056.59	2,183.49	2,195.52	2,305.61	2,377.29	2,435.77	2,506.01				
18 Underground Cables							1,548.14	1,587.53	1,608.26	1,627.10	1,642.36	1,652.58	1,672.28	1,694.87	1,706.56	1,708.51				
19 Transformers							501.82	607.46	694.75	790.71	868.23	917.59	957.91	1,001.58	1,044.19	1,084.76				
20 Switchgear							414.19	466.76	513.88	561.35	592.39	608.55	620.01	635.63	654.58	675.93				
21 Street lighting							96.43	96.11	95.18	95.13	94.91	93.22	90.21	87.48	84.52	81.21				
22 Meters and Services							157.29	142.40	123.80	105.35	114.50	123.89	133.20	147.61	165.07	181.03				
23 IT&T							120.73	124.33	116.68	111.98	96.49	97.93	108.32	118.77	120.04	108.70				
24 SCADA & Communications							22.45	22.50	21.12	18.08	14.27	11.87	15.30	16.32	18.01	19.23				
25 Other Distribution Non-Network							114.55	118.11	102.45	92.73	80.09	61.55	62.90	69.90	112.47	105.19				
26 Distribution Land & Easements							26.02	25.15	25.11	21.46	21.46	21.15	28.70	42.29	78.56	81.97				
27 Equity Raising Costs							-	5.91	10.46	13.87	14.90	14.55	14.18	13.82	13.46	13.09				
28 Total							4,248.70	4,708.48	5,142.93	5,494.34	5,723.09	5,798.41	6,008.63	6,205.56	6,433.22	6,565.64				
29 Capex (Actual AA1, AA2, AA3 & Forecast AA4)																				
30 Wooden Pole Lines							331.27	389.40	303.87	212.17	105.05	209.01	175.46	161.72	153.74	144.63				
31 Underground Cables							75.07	57.71	57.08	54.76	50.98	60.27	64.17	54.33	45.50	51.40				
32 Transformers							131.97	116.70	128.98	114.24	89.55	82.82	89.46	89.85	89.35	96.17				
33 Switchgear							73.35	69.73	72.02	57.57	44.45	41.36	46.83	45.69	44.26	47.74				
34 Street lighting							5.27	4.89	6.01	6.05	4.77	3.96	4.42	4.42	4.28	4.78				
35 Meters and Services							12.29	9.24	12.04	23.50	21.37	17.34	23.60	28.21	28.60	28.52				
36 IT&T							20.16	13.62	21.12	12.64	30.95	35.31	37.77	31.81	23.01	17.23				
37 SCADA & Communications							3.60	2.83	2.76	3.77	5.06	3.34	3.75	4.55	4.22	3.87				
38 Other Distribution Non-Network							19.67	2.63	10.73	11.99	5.25	11.32	20.39	54.40	5.12	4.26				
39 Distribution Land & Easements							-	-	-	-	-	7.55	13.59	36.27	3.42	2.84				
40 Equity Raising Costs							5.91	4.68	3.63	1.36	-	-	-	-	-	-				
41 Total							678.55	671.44	618.25	498.05	357.43	472.26	479.43	511.24	401.52	401.43				
42 Depreciation																				
43 Wooden Pole Lines							-63.29	-69.75	-77.22	-85.13	-93.02	-95.29	-98.94	-99.99	-83.50	-73.32				
44 Underground Cables							-35.68	-36.98	-38.24	-39.50	-40.75	-40.57	-41.57	-42.64	-43.55	-44.31				
45 Transformers							-25.56	-29.32	-33.03	-36.72	-40.19	-42.03	-44.30	-46.48	-48.78	-51.34				
46 Switchgear							-20.59	-22.58	-24.56	-26.53	-28.28	-29.63	-30.63	-26.39	-22.90	-24.52				
47 Street lighting							-5.59	-5.83	-6.05	-6.27	-6.47	-6.96	-7.16	-7.38	-7.60	-7.81				
48 Meters and Services							-27.17	-27.84	-30.49	-14.34	-11.98	-8.03	-9.19	-10.76	-12.64	-14.55				
49 IT&T							-16.55	-21.28	-25.82	-28.13	-29.51	-24.91	-27.33	-30.54	-34.35	-32.00				
50 SCADA & Communications							-3.55	-4.21	-5.80	-7.57	-7.47	0.09	-2.73	-2.85	-3.00	-3.09				

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Distribution Asset

	2	3	4	5	6	7	8	9	17	18	19	20	21	22	23	24	25	26
4 Year Ending 30 June	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022								
5 Project Year	7	8	9	10	11	12	13	14	15	16								
6 Regulatory Period	AA3						AA4											
51 Other Distribution Non-Network	-16.06	-18.28	-20.45	-21.95	-23.47	-9.98	-13.40	-11.82	-12.41	-10.55								
52 Distribution Land & Easements	-	-	-	-	-	-	-	-	-	-								
53 Equity Raising Costs	-	-0.13	-0.23	-0.32	-0.36	-0.36	-0.36	-0.36	-0.36	-0.36								
54 Total	-214.05	-236.18	-261.90	-266.49	-281.50	-257.67	-275.60	-279.21	-269.10	-261.86								
55 Accelerated Depreciation																		
56 Wooden Pole Lines	-2.85	-0.38	-	-	-	-3.63	-4.84	-3.25	-	-								
57 Underground Cables	-	-	-	-	-	-	-	-	-	-								
58 Transformers	-0.76	-0.10	-	-	-	-0.46	-1.48	-0.76	-	-								
59 Switchgear	-0.19	-0.03	-	-	-	-0.28	-0.57	-0.36	-	-								
60 Street lighting	-	-	-	-	-	-	-	-	-	-								
61 Meters and Services	-	-	-	-	-	-	-	-	-	-								
62 IT&T	-	-	-	-	-	-	-	-	-	-								
63 SCADA & Communications	-	-	-	-	-	-	-	-	-	-								
64 Other Distribution Non-Network	-	-	-	-	-	-	-	-	-	-								
65 Distribution Land & Easements	-	-	-	-	-	-	-	-	-	-								
66 Equity Raising Costs	-	-	-	-	-	-	-	-	-	-								
67 Total	-3.80	-0.51	-	-	-	-4.37	-6.90	-4.37	-	-								
68 Redundant Assets																		
69 Wooden Pole Lines	-	-0.27	-1.28	-0.14	-	-	-	-	-	-								
70 Underground Cables	-	-	-	-	-	-	-	-	-	-								
71 Transformers	-	-	-	-	-	-	-	-	-	-								
72 Switchgear	-	-	-	-	-	-	-	-	-	-								
73 Street lighting	-	-	-	-	-	-	-	-	-	-								
74 Meters and Services	-	-	-	-	-	-	-	-	-	-								
75 IT&T	-	-	-	-	-	-	-	-	-	-								
76 SCADA & Communications	-	-	-	-	-	-	-	-	-	-								
77 Other Distribution Non-Network	-0.05	-	-	-2.68	-0.30	-	-	-	-	-								
78 Distribution Land & Easements	-0.88	-0.03	-3.65	-	-0.31	-	-	-	-	-								
79 Equity Raising Costs	-	-	-	-	-	-	-	-	-	-								
80 Total	-0.93	-0.30	-4.93	-2.81	-0.62	-	-	-	-	-								
81 Closing Value																		
82 Wooden Pole Lines	1,512.21	1,831.22	2,056.59	2,183.49	2,195.52	2,305.61	2,377.29	2,435.77	2,506.01	2,577.32								
83 Underground Cables	1,587.53	1,608.26	1,627.10	1,642.36	1,652.58	1,672.28	1,694.87	1,706.56	1,708.51	1,715.61								
84 Transformers	607.46	694.75	790.71	868.23	917.59	957.91	1,001.58	1,044.19	1,084.76	1,129.59								
85 Switchgear	466.76	513.88	561.35	592.39	608.55	620.01	635.63	654.58	675.93	699.15								
86 Street lighting	96.11	95.18	95.13	94.91	93.22	90.21	87.48	84.52	81.21	78.18								
87 Meters and Services	142.40	123.80	105.35	114.50	123.89	133.20	147.61	165.07	181.03	195.01								
88 IT&T	124.33	116.68	111.98	96.49	97.93	108.32	118.77	120.04	108.70	93.93								
89 SCADA & Communications	22.50	21.12	18.08	14.27	11.87	15.30	16.32	18.01	19.23	20.01								
90 Other Distribution Non-Network	118.11	102.45	92.73	80.09	61.55	62.90	69.90	112.47	105.19	98.89								
91 Distribution Land & Easements	25.15	25.11	21.46	21.46	21.15	28.70	42.29	78.56	81.97	84.81								
92 Equity Raising Costs	5.91	10.46	13.87	14.90	14.55	14.18	13.82	13.46	13.09	12.73								
93 Total	4,708.48	5,142.93	5,494.34	5,723.09	5,798.41	6,008.63	6,205.56	6,433.22	6,565.64	6,705.22								
94																		

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Distribution Asset

	2	3	4	5	6	7	8	9	17	18	19	20	21	22	23	24	25	26
4 Year Ending 30 June									2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5 Project Year									7	8	9	10	11	12	13	14	15	16
6 Regulatory Period										AA3					AA4			
95 Initial Capital Base (ICB) (\$M Real 30/06/2017)									2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
96 Project Year									7	8	9	10	11	12	13	14	15	16
97 Opening Value																		
98 Wooden Pole Lines									339.70	296.89	256.66	215.85	176.19	136.66	93.98	51.55	13.93	-
99 Underground Cables									577.75	559.05	540.35	521.66	502.96	484.26	465.56	446.87	428.17	409.47
100 Transformers									164.85	148.97	133.82	118.78	103.75	88.71	73.21	56.79	41.46	27.17
101 Switchgear									76.72	66.30	56.07	45.88	35.68	25.49	15.02	4.43	-0.36	-
102 Street lighting									-	-	-	-	-	-	-	-	-	-
103 Meters and Services									75.42	51.85	28.28	4.71	0.00	0.00	0.00	0.00	0.00	0.00
104 IT&T									6.68	4.92	3.16	1.41	0.00	0.00	0.00	0.00	0.00	0.00
105 SCADA & Communications									6.81	5.19	3.57	1.95	0.32	-	-	-	-	-
106 Other Distribution Non-Network									30.97	25.08	19.23	13.39	4.87	-	-	-	-	-
107 Distribution Land & Easements									26.02	25.15	25.11	21.46	21.46	21.15	21.15	21.15	21.15	21.15
108 Equity Raising Costs									-	-	-	-	-	-	-	-	-	-
109 Total									1,304.917	1,183.384	1,066.256	945.080	845.230	756.268	668.925	580.783	504.359	457.786
110 Depreciation																		
										ICB Life as at 30/06/2006								
111 Wooden Pole Lines										14.5	-39.96	-39.59	-39.53	-39.53	-39.046	-37.593	-34.366	-13.934
112 Underground Cables										36.9	-18.70	-18.70	-18.70	-18.70	-18.697	-18.697	-18.697	-18.697
113 Transformers										16.9	-15.12	-15.05	-15.04	-15.04	-15.036	-14.941	-14.561	-14.298
114 Switchgear										13.5	-10.23	-10.20	-10.19	-10.19	-10.195	-10.011	-4.432	0.357
115 Street lighting										1.2	-	-	-	-	-	-	-	-
116 Meters and Services										9.2	-23.57	-23.57	-23.57	-4.71	-	-	-	-
117 IT&T										9.8	-1.76	-1.76	-1.76	-1.41	-	-	-	-
118 SCADA & Communications										10.2	-1.62	-1.62	-1.62	-0.32	-	-	-	-
119 Other Distribution Non-Network										11.3	-5.84	-5.84	-5.84	-5.84	-	-	-	-
120 Distribution Land & Easements										-	-	-	-	-	-	-	-	-
121 Equity Raising Costs										-	-	-	-	-	-	-	-	-
122 Total										-116.81	-116.32	-116.25	-97.04	-89.62	-82.97	-81.24	-72.06	-46.57
123 Accelerated Depreciation																		
124 Wooden Pole Lines										-2.85	-0.38	-	-	-	-3.63	-4.84	-3.25	-
125 Underground Cables										-	-	-	-	-	-	-	-	-
126 Transformers										-0.76	-0.10	-	-	-	-0.46	-1.48	-0.76	-
127 Switchgear										-0.19	-0.03	-	-	-	-0.28	-0.57	-0.36	-
128 Street lighting										-	-	-	-	-	-	-	-	-
129 Meters and Services										-	-	-	-	-	-	-	-	-
130 IT&T										-	-	-	-	-	-	-	-	-
131 SCADA & Communications										-	-	-	-	-	-	-	-	-
132 Other Distribution Non-Network										-	-	-	-	-	-	-	-	-
133 Distribution Land & Easements										-	-	-	-	-	-	-	-	-
134 Equity Raising Costs										-	-	-	-	-	-	-	-	-
135 Total										-3.80	-0.51	-	-	-	-4.37	-6.90	-4.37	-
136 Redundant Assets																		
137 Wooden Pole Lines										-	-0.27	-1.28	-0.14	-				
138 Underground Cables										-	-	-	-	-				

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Distribution Asset

2	3	4	5	6	7	8	9	17	18	19	20	21	22	23	24	25	26	
4 Year Ending 30 June								2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
5 Project Year								7	8	9	10	11	12	13	14	15	16	
6 Regulatory Period								AA3					AA4					
139 Transformers								-	-	-	-	-	-	-	-	-	-	-
140 Switchgear								-	-	-	-	-	-	-	-	-	-	
141 Street lighting								-	-	-	-	-	-	-	-	-	-	
142 Meters and Services								-	-	-	-	-	-	-	-	-	-	
143 IT&T								-	-	-	-	-	-	-	-	-	-	
144 SCADA & Communications								-	-	-	-	0.00	-	-	-	-	-	
145 Other Distribution Non-Network								-0.05	-	-	-2.68	0.97	-	-	-	-	-	
146 Distribution Land & Easements								-0.88	-0.03	-3.65	-	-0.31	-	-	-	-	-	
147 Equity Raising Costs								-	-	-	-	-	-	-	-	-	-	
148 Total								-0.93	-0.30	-4.93	-2.81	0.66	-	-	-	-	-	
149 Closing Value																		
150 Wooden Pole Lines								296.89	256.66	215.85	176.19	136.66	93.98	51.55	13.93	-	-	
151 Underground Cables								559.05	540.35	521.66	502.96	484.26	465.56	446.87	428.17	409.47	390.78	
152 Transformers								148.97	133.82	118.78	103.75	88.71	73.21	56.79	41.46	27.17	12.87	
153 Switchgear								66.30	56.07	45.88	35.68	25.49	15.02	4.43	-0.36	-	-	
154 Street lighting								-	-	-	-	-	-	-	-	-	-	
155 Meters and Services								51.85	28.28	4.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
156 IT&T								4.92	3.16	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
157 SCADA & Communications								5.19	3.57	1.95	0.32	-	-	-	-	-	-	
158 Other Distribution Non-Network								25.08	19.23	13.39	4.87	-	-	-	-	-	-	
159 Distribution Land & Easements								25.15	25.11	21.46	21.46	21.15	21.15	21.15	21.15	21.15	21.15	
160 Equity Raising Costs								-	-	-	-	-	-	-	-	-	-	
161 Total								1,183.38	1,066.26	945.08	845.23	756.27	668.92	580.78	504.36	457.79	424.79	
162																		
163 Capital Expenditure								2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
164 Project Year								7	8	9	10	11	12	13	14	15	16	
165 Opening Value																		
166 Wooden Pole Lines								907.38	1,215.33	1,574.56	1,840.74	2,007.30	2,058.86	2,211.62	2,325.74	2,421.83	2,506.01	
167 Underground Cables								970.40	1,028.48	1,067.91	1,105.45	1,139.40	1,168.32	1,206.71	1,248.01	1,278.39	1,299.04	
168 Transformers								336.97	458.50	560.93	671.93	764.48	828.88	884.70	944.79	1,002.73	1,057.59	
169 Switchgear								337.47	400.47	457.81	515.47	556.70	583.07	604.99	631.20	654.93	675.93	
170 Street lighting								96.43	96.11	95.18	95.13	94.91	93.22	90.21	87.48	84.52	81.21	
171 Meters and Services								81.87	90.55	95.52	100.63	114.50	123.89	133.20	147.61	165.07	181.03	
172 IT&T								114.05	119.41	113.52	110.57	96.49	97.93	108.32	118.77	120.04	108.70	
173 SCADA & Communications								15.64	17.31	17.56	16.13	13.95	11.87	15.30	16.32	18.01	19.23	
174 Other Distribution Non-Network								83.59	93.03	83.22	79.34	75.22	61.55	62.90	69.90	112.47	105.19	
175 Distribution Land & Easements								-	-	-	-	-	-	7.55	21.14	57.41	60.82	
176 Equity Raising Costs								-	5.91	10.46	13.87	14.90	14.55	14.18	13.82	13.46	13.09	
177 Total								2,943.79	3,525.09	4,076.67	4,549.26	4,877.86	5,042.14	5,339.70	5,624.78	5,928.86	6,107.86	
178 Capex (i.e. Owner's Capex - Cash Contribution)																		
179 Wooden Pole Lines								331.27	389.40	303.87	212.17	105.05	209.01	175.46	161.72	153.74	144.63	
180 Underground Cables								75.07	57.71	57.08	54.76	50.98	60.27	64.17	54.33	45.50	51.40	
181 Transformers								131.97	116.70	128.98	114.24	89.55	82.82	89.46	89.85	89.35	96.17	
182 Switchgear								73.35	69.73	72.02	57.57	44.45	41.36	46.83	45.69	44.26	47.74	

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Distribution Asset

	2	3	4	5	6	7	8	9	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June																	
5	Project Year																	
6	Regulatory Period																	
									2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
									7	8	9	10	11	12	13	14	15	16
									AA3				AA4					
183	Street lighting								5.27	4.89	6.01	6.05	4.77	3.96	4.42	4.42	4.28	4.78
184	Meters and Services								12.29	9.24	12.04	23.50	21.37	17.34	23.60	28.21	28.60	28.52
185	IT&T								20.16	13.62	21.12	12.64	30.95	35.31	37.77	31.81	23.01	17.23
186	SCADA & Communications								3.60	2.83	2.76	3.77	5.06	3.34	3.75	4.55	4.22	3.87
187	Other Distribution Non-Network								19.67	2.63	10.73	11.99	5.25	11.32	20.39	54.40	5.12	4.26
188	Distribution Land & Easements								-	-	-	-	-	7.55	13.59	36.27	3.42	2.84
189	Equity Raising Costs								5.91	4.68	3.63	1.36	-	-	-	-	-	-
190	Total								678.55	671.44	618.25	498.05	357.43	472.26	479.43	511.24	401.52	401.43
	Redundant assets																	
	Wooden Pole Lines								-	-	-	-	-	-	-	-	-	-
	Underground Cables								-	-	-	-	-	-	-	-	-	-
	Transformers								-	-	-	-	-	-	-	-	-	-
	Switchgear								-	-	-	-	-	-	-	-	-	-
	Street lighting								-	-	-	-	-	-	-	-	-	-
	Meters and Services								-	-	-	-	-	-	-	-	-	-
	IT&T								-	-	-	-	-	-	-	-	-	-
	SCADA & Communications								-	-	-	-	-0.00	-	-	-	-	-
	Other Distribution Non-Network								-	-	-	-	-1.28	-	-	-	-	-
	Distribution Land & Easements								-	-	-	-	-	-	-	-	-	-
	Equity Raising Costs								-	-	-	-	-	-	-	-	-	-
	Total								-	-	-	-	-	-	-	-	-	-
204	CAPEX Depreciation																	
205	Wooden Pole Lines								-23.326	-30.166	-37.696	-45.606	-53.489	-56.248	-61.346	-65.625	-69.570	-73.319
206	Underground Cables								-16.981	-18.284	-19.545	-20.806	-22.057	-21.872	-22.877	-23.946	-24.852	-25.610
207	Transformers								-10.436	-14.268	-17.990	-21.688	-25.154	-26.997	-29.364	-31.920	-34.487	-37.040
208	Switchgear								-10.360	-12.385	-14.364	-16.340	-18.089	-19.433	-20.615	-21.953	-23.258	-24.523
209	Street lighting								-5.585	-5.827	-6.053	-6.271	-6.467	-6.958	-7.156	-7.377	-7.598	-7.812
210	Meters and Services								-3.603	-4.269	-6.921	-9.630	-11.981	-8.030	-9.185	-10.759	-12.639	-14.546
211	IT								-14.797	-19.517	-24.065	-26.727	-29.509	-24.908	-27.326	-30.537	-34.349	-32.002
212	SCADA & Communications								-1.931	-2.584	-4.184	-5.954	-7.143	0.093	-2.734	-2.854	-2.997	-3.092
213	Other Distribution Non-Network								-10.221	-12.439	-14.608	-16.111	-17.629	-9.975	-13.396	-11.825	-12.409	-10.555
214	Distribution Land & Easements								-	-	-	-	-	-	-	-	-	-
215	Equity Raising Costs								-	-0.126	-0.233	-0.320	-0.356	-0.363	-0.363	-0.363	-0.363	-0.363
216	Total								-97.240	-119.865	-145.660	-169.452	-191.875	-174.692	-194.361	-207.159	-222.523	-228.863
217																		
218	Depreciation 1																	
219	Wooden Pole Lines					1	Life		-2.510	-2.510	-2.510	-2.510	-2.510	-2.510	-2.510	-2.510	-2.510	-2.510
220	Underground Cables					1	60.00		-3.257	-3.257	-3.257	-3.257	-3.257	-3.257	-3.257	-3.257	-3.257	-3.257
221	Transformers					1	35.00		-1.849	-1.849	-1.849	-1.849	-1.849	-1.849	-1.849	-1.849	-1.849	-1.849
222	Switchgear					1	35.00		-1.425	-1.425	-1.425	-1.425	-1.425	-1.425	-1.425	-1.425	-1.425	-1.425
223	Street lighting					1	20.00		-0.977	-0.977	-0.977	-0.977	-0.977	-0.977	-0.977	-0.977	-0.977	-0.977
224	Meters and Services					1	25.00		-0.503	-0.503	-0.503	-0.503	-0.503	-0.503	-0.503	-0.503	-0.503	-0.503
225	IT					1	10.16		-1.890	-1.890	-1.890	-1.890	-1.890	-0.302	-	-	-	-
226	SCADA & Communications					1	10.16		-0.253	-0.253	-0.253	-0.253	-0.253	-0.040	-	-	-	-

ERA Western Power AA4 Revenue Model, February 2019 [Post FD]

Distribution Asset

	2	3	4	5	6	7	8	9	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June																	
5	Project Year																	
6	Regulatory Period																	
									2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
									7	8	9	10	11	12	13	14	15	16
									AA3					AA4				
227	Other Distribution Non-Network	1	10.16						-0.866	-0.866	-0.866	-0.866	-0.866	-0.139	-	-	-	-
228	Distribution Land & Easements	1	-						-	-	-	-	-	-	-	-	-	-
229	Equity Raising Costs	1	-						-	-	-	-	-	-	-	-	-	-
230	Total								-13.530	-13.530	-13.530	-13.530	-13.530	-11.002	-10.521	-10.521	-10.521	-10.521
231	Depreciation 2	2																
232	Wooden Pole Lines	2	41.00						-3.041	-3.041	-3.041	-3.041	-3.041	-3.041	-3.041	-3.041	-3.041	-3.041
233	Underground Cables	2	60.00						-3.105	-3.105	-3.105	-3.105	-3.105	-3.105	-3.105	-3.105	-3.105	-3.105
234	Transformers	2	35.00						-1.760	-1.760	-1.760	-1.760	-1.760	-1.760	-1.760	-1.760	-1.760	-1.760
235	Switchgear	2	35.00						-1.611	-1.611	-1.611	-1.611	-1.611	-1.611	-1.611	-1.611	-1.611	-1.611
236	Street lighting	2	20.00						-0.953	-0.953	-0.953	-0.953	-0.953	-0.953	-0.953	-0.953	-0.953	-0.953
237	Meters and Services	2	25.00						-0.541	-0.541	-0.541	-0.541	-0.541	-0.541	-0.541	-0.541	-0.541	-0.541
238	IT	2	10.16						-3.790	-3.790	-3.790	-3.790	-3.790	-3.790	-0.606	-	-	-
239	SCADA & Communications	2	10.16						-0.255	-0.255	-0.255	-0.255	-0.255	-0.255	-0.255	-0.041	-	-
240	Other Distribution Non-Network	2	10.16						-0.876	-0.876	-0.876	-0.876	-0.876	-0.876	-0.140	-	-	-
241	Distribution Land & Easements	2	-						-	-	-	-	-	-	-	-	-	-
242	Equity Raising Costs	2	-						-	-	-	-	-	-	-	-	-	-
243	Total								-15.931	-15.931	-15.931	-15.931	-15.931	-15.931	-11.797	-11.010	-11.010	-11.010
244	Depreciation 3	3																
245	Wooden Pole Lines	3	41.00						-4.231	-4.231	-4.231	-4.231	-4.231	-4.231	-4.231	-4.231	-4.231	-4.231
246	Underground Cables	3	60.00						-4.240	-4.240	-4.240	-4.240	-4.240	-4.240	-4.240	-4.240	-4.240	-4.240
247	Transformers	3	35.00						-2.520	-2.520	-2.520	-2.520	-2.520	-2.520	-2.520	-2.520	-2.520	-2.520
248	Switchgear	3	35.00						-2.301	-2.301	-2.301	-2.301	-2.301	-2.301	-2.301	-2.301	-2.301	-2.301
249	Street lighting	3	20.00						-1.400	-1.400	-1.400	-1.400	-1.400	-1.400	-1.400	-1.400	-1.400	-1.400
250	Meters and Services	3	25.00						-0.602	-0.602	-0.602	-0.602	-0.602	-0.602	-0.602	-0.602	-0.602	-0.602
251	IT	3	10.16						-2.189	-2.189	-2.189	-2.189	-2.189	-2.189	-2.189	-0.350	-	-
252	SCADA & Communications	3	10.16						-0.248	-0.248	-0.248	-0.248	-0.248	-0.248	-0.248	-0.040	-	-
253	Other Distribution Non-Network	3	10.16						-2.602	-2.602	-2.602	-2.602	-2.602	-2.602	-2.602	-0.416	-	-
254	Distribution Land & Easements	3	-						-	-	-	-	-	-	-	-	-	-
255	Equity Raising Costs	3	-						-	-	-	-	-	-	-	-	-	-
256	Total								-20.333	-20.333	-20.333	-20.333	-20.333	-20.333	-20.333	-16.100	-15.293	-15.293
257	Depreciation 4	4																
258	Wooden Pole Lines	4	41.00						-3.929	-3.929	-3.929	-3.929	-3.929	-3.929	-3.929	-3.929	-3.929	-3.929
259	Underground Cables	4	60.00						-2.442	-2.442	-2.442	-2.442	-2.442	-2.442	-2.442	-2.442	-2.442	-2.442
260	Transformers	4	35.00						-1.492	-1.492	-1.492	-1.492	-1.492	-1.492	-1.492	-1.492	-1.492	-1.492
261	Switchgear	4	35.00						-1.564	-1.564	-1.564	-1.564	-1.564	-1.564	-1.564	-1.564	-1.564	-1.564
262	Street lighting	4	20.00						-0.792	-0.792	-0.792	-0.792	-0.792	-0.792	-0.792	-0.792	-0.792	-0.792
263	Meters and Services	4	25.00						-0.509	-0.509	-0.509	-0.509	-0.509	-0.509	-0.509	-0.509	-0.509	-0.509
264	IT	4	10.16						-1.355	-1.355	-1.355	-1.355	-1.355	-1.355	-1.355	-1.355	-0.217	-
265	SCADA & Communications	4	10.16						-0.316	-0.316	-0.316	-0.316	-0.316	-0.316	-0.316	-0.316	-0.050	-
266	Other Distribution Non-Network	4	10.16						-1.207	-1.207	-1.207	-1.207	-1.207	-1.207	-1.207	-1.207	-0.193	-
267	Distribution Land & Easements	4	-						-	-	-	-	-	-	-	-	-	-
268	Equity Raising Costs	4	-						-	-	-	-	-	-	-	-	-	-
269	Total								-13.605	-13.605	-13.605	-13.605	-13.605	-13.605	-13.605	-13.605	-11.188	-10.728
270	Depreciation 5	5																

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Distribution Asset

	2	3	4	5	6	7	8	9	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June								2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5	Project Year								7	8	9	10	11	12	13	14	15	16
6	Regulatory Period								AA3					AA4				
271	Wooden Pole Lines		5	41.00					-3.718	-3.718	-3.718	-3.718	-3.718	-3.718	-3.718	-3.718	-3.718	-3.718
272	Underground Cables		5	60.00					-2.176	-2.176	-2.176	-2.176	-2.176	-2.176	-2.176	-2.176	-2.176	-2.176
273	Transformers		5	35.00					-1.453	-1.453	-1.453	-1.453	-1.453	-1.453	-1.453	-1.453	-1.453	-1.453
274	Switchgear		5	35.00					-1.537	-1.537	-1.537	-1.537	-1.537	-1.537	-1.537	-1.537	-1.537	-1.537
275	Street lighting		5	20.00					-0.794	-0.794	-0.794	-0.794	-0.794	-0.794	-0.794	-0.794	-0.794	-0.794
276	Meters and Services		5	25.00					-0.715	-0.715	-0.715	-0.715	-0.715	-0.715	-0.715	-0.715	-0.715	-0.715
277	IT		5	10.16					-2.401	-2.401	-2.401	-2.401	-2.401	-2.401	-2.401	-2.401	-2.401	-0.384
278	SCADA & Communications		5	10.16					-0.320	-0.320	-0.320	-0.320	-0.320	-0.320	-0.320	-0.320	-0.320	-0.051
279	Other Distribution Non-Network		5	10.16					-2.204	-2.204	-2.204	-2.204	-2.204	-2.204	-2.204	-2.204	-2.204	-0.353
280	Distribution Land & Easements		5	-					-	-	-	-	-	-	-	-	-	-
281	Equity Raising Costs		5	-					-	-	-	-	-	-	-	-	-	-
282	Total								-15.319	-15.319	-15.319	-15.319	-15.319	-15.319	-15.319	-15.319	-15.319	-11.182
283	Depreciation 6		6															
284	Wooden Pole Lines		6	41.00					-5.898	-5.898	-5.898	-5.898	-5.898	-5.898	-5.898	-5.898	-5.898	-5.898
285	Underground Cables		6	60.00					-1.761	-1.761	-1.761	-1.761	-1.761	-1.761	-1.761	-1.761	-1.761	-1.761
286	Transformers		6	35.00					-1.362	-1.362	-1.362	-1.362	-1.362	-1.362	-1.362	-1.362	-1.362	-1.362
287	Switchgear		6	35.00					-1.923	-1.923	-1.923	-1.923	-1.923	-1.923	-1.923	-1.923	-1.923	-1.923
288	Street lighting		6	20.00					-0.669	-0.669	-0.669	-0.669	-0.669	-0.669	-0.669	-0.669	-0.669	-0.669
289	Meters and Services		6	25.00					-0.733	-0.733	-0.733	-0.733	-0.733	-0.733	-0.733	-0.733	-0.733	-0.733
290	IT		6	10.16					-3.171	-3.171	-3.171	-3.171	-3.171	-3.171	-3.171	-3.171	-3.171	-3.171
291	SCADA & Communications		6	10.16					-0.539	-0.539	-0.539	-0.539	-0.539	-0.539	-0.539	-0.539	-0.539	-0.539
292	Other Distribution Non-Network		6	10.16					-2.466	-2.466	-2.466	-2.466	-2.466	-2.466	-2.466	-2.466	-2.466	-2.466
293	Distribution Land & Easements		6	-					-	-	-	-	-	-	-	-	-	-
294	Equity Raising Costs		6	-					-	-	-	-	-	-	-	-	-	-
295	Total								-18.523	-18.523	-18.523	-18.523	-18.523	-18.523	-18.523	-18.523	-18.523	-18.523
296	Depreciation 7		7															
297	Wooden Pole Lines		7	41.00					-	-6.840	-6.840	-6.840	-6.840	-8.214	-8.214	-8.214	-8.214	-8.214
298	Underground Cables		7	60.00					-	-1.302	-1.302	-1.302	-1.302	-1.247	-1.247	-1.247	-1.247	-1.247
299	Transformers		7	35.00					-	-3.832	-3.832	-3.832	-3.832	-3.762	-3.762	-3.762	-3.762	-3.762
300	Switchgear		7	35.00					-	-2.025	-2.025	-2.025	-2.025	-2.105	-2.105	-2.105	-2.105	-2.105
301	Street lighting		7	20.00					-	-0.242	-0.242	-0.242	-0.242	-0.269	-0.269	-0.269	-0.269	-0.269
302	Meters and Services		7	15.00					-	-0.665	-0.665	-0.665	-0.665	-0.875	-0.875	-0.875	-0.875	-0.875
303	IT		7	6.00					-	-4.720	-4.720	-4.720	-4.720	-0.639	-0.639	-	-	-
304	SCADA & Communications		7	10.16					-	-0.653	-0.653	-0.653	-0.653	-0.161	-0.161	-0.161	-0.161	-0.161
305	Other Distribution Non-Network		7	10.16					-	-2.218	-2.218	-2.218	-2.218	-1.752	-1.752	-1.752	-1.752	-1.752
306	Distribution Land & Easements		7	-					-	-	-	-	-	-	-	-	-	-
307	Equity Raising Costs		7	43.00					-	-0.126	-0.126	-0.126	-0.126	-0.139	-0.139	-0.139	-0.139	-0.139
308	Total								-	-22.625	-22.625	-22.625	-22.625	-19.163	-19.163	-18.524	-18.524	-18.524
309	Depreciation 8		8															
310	Wooden Pole Lines		8	41.00					-	-	-7.530	-7.530	-7.530	-9.653	-9.653	-9.653	-9.653	-9.653
311	Underground Cables		8	60.00					-	-	-1.262	-1.262	-1.262	-0.946	-0.946	-0.946	-0.946	-0.946
312	Transformers		8	35.00					-	-	-3.721	-3.721	-3.721	-3.298	-3.298	-3.298	-3.298	-3.298
313	Switchgear		8	35.00					-	-	-1.979	-1.979	-1.979	-1.994	-1.994	-1.994	-1.994	-1.994
314	Street lighting		8	20.00					-	-	-0.226	-0.226	-0.226	-0.248	-0.248	-0.248	-0.248	-0.248

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Distribution Asset

	2	3	4	5	6	7	8	9	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June																	
5	Project Year																	
6	Regulatory Period																	
									2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
									7	8	9	10	11	12	13	14	15	16
									AA3			AA4						
315	Meters and Services	8	15.00	-	-	-2.653	-2.653	-2.653	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107	-0.107
316	IT	8	6.00	-	-	-4.548	-4.548	-4.548	0.019	-	-	-	-	-	-	-	-	-
317	SCADA & Communications	8	10.16	-	-	-1.600	-1.600	-1.600	1.971	-	-	-	-	-	-	-	-	-
318	Other Distribution Non-Network	8	10.16	-	-	-2.169	-2.169	-2.169	3.876	-	-	-	-	-	-	-	-	-
319	Distribution Land & Easements	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320	Equity Raising Costs	8	43.00	-	-	-0.108	-0.108	-0.108	-0.109	-0.109	-0.109	-0.109	-0.109	-0.109	-0.109	-0.109	-0.109	-0.109
321	Total			-	-	-25.795	-25.795	-25.795	-10.488	-16.354	-16.354	-16.354	-16.354	-16.354	-16.354	-16.354	-16.354	-16.354
322	Depreciation 9	9																
323	Wooden Pole Lines	9	41.00	-	-	-	-7.910	-7.910	-7.386	-7.386	-7.386	-7.386	-7.386	-7.386	-7.386	-7.386	-7.386	-7.386
324	Underground Cables	9	60.00	-	-	-	-1.260	-1.260	-0.941	-0.941	-0.941	-0.941	-0.941	-0.941	-0.941	-0.941	-0.941	-0.941
325	Transformers	9	35.00	-	-	-	-3.699	-3.699	-3.684	-3.684	-3.684	-3.684	-3.684	-3.684	-3.684	-3.684	-3.684	-3.684
326	Switchgear	9	35.00	-	-	-	-1.976	-1.976	-2.063	-2.063	-2.063	-2.063	-2.063	-2.063	-2.063	-2.063	-2.063	-2.063
327	Street lighting	9	20.00	-	-	-	-0.217	-0.217	-0.310	-0.310	-0.310	-0.310	-0.310	-0.310	-0.310	-0.310	-0.310	-0.310
328	Meters and Services	9	15.00	-	-	-	-2.709	-2.709	-0.509	-0.509	-0.509	-0.509	-0.509	-0.509	-0.509	-0.509	-0.509	-0.509
329	IT	9	6.00	-	-	-	-2.662	-2.662	-3.950	-3.950	-3.950	-3.950	-3.950	-3.950	-3.950	-3.950	-3.950	-
330	SCADA & Communications	9	10.16	-	-	-	-1.770	-1.770	0.782	-	-	-	-	-	-	-	-	-
331	Other Distribution Non-Network	9	10.16	-	-	-	-1.503	-1.503	-0.946	-0.946	-0.946	-0.946	-0.946	-0.946	-0.946	-0.946	-0.946	-0.946
332	Distribution Land & Easements	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333	Equity Raising Costs	9	43.00	-	-	-	-0.086	-0.086	-0.084	-0.084	-0.084	-0.084	-0.084	-0.084	-0.084	-0.084	-0.084	-0.084
334	Total			-	-	-	-23.793	-23.793	-19.091	-19.873	-19.873	-19.873	-19.873	-19.873	-19.873	-19.873	-19.873	-15.923
335	Depreciation 10	10																
336	Wooden Pole Lines	10	41.00	-	-	-	-	-7.883	-5.107	-5.107	-5.107	-5.107	-5.107	-5.107	-5.107	-5.107	-5.107	-5.107
337	Underground Cables	10	60.00	-	-	-	-	-1.252	-0.907	-0.907	-0.907	-0.907	-0.907	-0.907	-0.907	-0.907	-0.907	-0.907
338	Transformers	10	35.00	-	-	-	-	-3.466	-3.258	-3.258	-3.258	-3.258	-3.258	-3.258	-3.258	-3.258	-3.258	-3.258
339	Switchgear	10	35.00	-	-	-	-	-1.749	-1.642	-1.642	-1.642	-1.642	-1.642	-1.642	-1.642	-1.642	-1.642	-1.642
340	Street lighting	10	20.00	-	-	-	-	-0.197	-0.308	-0.308	-0.308	-0.308	-0.308	-0.308	-0.308	-0.308	-0.308	-0.308
341	Meters and Services	10	15.00	-	-	-	-	-2.351	-1.511	-1.511	-1.511	-1.511	-1.511	-1.511	-1.511	-1.511	-1.511	-1.511
342	IT	10	6.00	-	-	-	-	-2.782	-1.972	-1.972	-1.972	-1.972	-1.972	-1.972	-1.972	-1.972	-1.972	-1.972
343	SCADA & Communications	10	10.16	-	-	-	-	-1.190	-0.282	-0.282	-0.282	-0.282	-0.282	-0.282	-0.282	-0.282	-0.282	-0.282
344	Other Distribution Non-Network	10	10.16	-	-	-	-	-1.518	-1.143	-1.143	-1.143	-1.143	-1.143	-1.143	-1.143	-1.143	-1.143	-1.143
345	Distribution Land & Easements	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
346	Equity Raising Costs	10	43.00	-	-	-	-	-0.036	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031	-0.031
347	Total			-	-	-	-	-22.423	-16.161	-16.161	-16.161	-16.161	-16.161	-16.161	-16.161	-16.161	-16.161	-16.161
348	Depreciation 11	11																
349	Wooden Pole Lines	11	41.00	-	-	-	-	-	-2.562	-2.562	-2.562	-2.562	-2.562	-2.562	-2.562	-2.562	-2.562	-2.562
350	Underground Cables	11	60.00	-	-	-	-	-	-0.850	-0.850	-0.850	-0.850	-0.850	-0.850	-0.850	-0.850	-0.850	-0.850
351	Transformers	11	35.00	-	-	-	-	-	-2.559	-2.559	-2.559	-2.559	-2.559	-2.559	-2.559	-2.559	-2.559	-2.559
352	Switchgear	11	35.00	-	-	-	-	-	-1.270	-1.270	-1.270	-1.270	-1.270	-1.270	-1.270	-1.270	-1.270	-1.270
353	Street lighting	11	20.00	-	-	-	-	-	-0.239	-0.239	-0.239	-0.239	-0.239	-0.239	-0.239	-0.239	-0.239	-0.239
354	Meters and Services	11	15.00	-	-	-	-	-	-1.425	-1.425	-1.425	-1.425	-1.425	-1.425	-1.425	-1.425	-1.425	-1.425
355	IT	11	6.00	-	-	-	-	-	-5.158	-5.158	-5.158	-5.158	-5.158	-5.158	-5.158	-5.158	-5.158	-5.158
356	SCADA & Communications	11	10.16	-	-	-	-	-	-0.498	-0.498	-0.498	-0.498	-0.498	-0.498	-0.498	-0.498	-0.498	-0.498
357	Other Distribution Non-Network	11	10.16	-	-	-	-	-	-0.516	-0.516	-0.516	-0.516	-0.516	-0.516	-0.516	-0.516	-0.516	-0.516
358	Distribution Land & Easements	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ERA Western Power AA4 Revenue Model, February 2019 [Post FD]

Distribution Asset

	2	3	4	5	6	7	8	9	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June																	
5	Project Year																	
6	Regulatory Period																	
									2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
									7	8	9	10	11	12	13	14	15	16
									AA3					AA4				
359	Equity Raising Costs				11	43.00									-	-	-	-
360	Total													-15.077	-15.077	-15.077	-15.077	-15.077
361	Depreciation 12				12													
362	Wooden Pole Lines				12	41.00								-	-5.098	-5.098	-5.098	-5.098
363	Underground Cables				12	60.00								-	-1.004	-1.004	-1.004	-1.004
364	Transformers				12	35.00								-	-2.366	-2.366	-2.366	-2.366
365	Switchgear				12	35.00								-	-1.182	-1.182	-1.182	-1.182
366	Street lighting				12	20.00								-	-0.198	-0.198	-0.198	-0.198
367	Meters and Services				12	15.00								-	-1.156	-1.156	-1.156	-1.156
368	IT				12	6.00								-	-5.884	-5.884	-5.884	-5.884
369	SCADA & Communications				12	10.16								-	-0.329	-0.329	-0.329	-0.329
370	Other Distribution Non-Network				12	27.00								-	-0.419	-0.419	-0.419	-0.419
371	Distribution Land & Easements				12	-								-	-	-	-	-
372	Equity Raising Costs				12	43.00								-	-	-	-	-
373	Total													-	-17.636	-17.636	-17.636	-17.636
374	Depreciation 13				13													
375	Wooden Pole Lines				13	41.00								-	-	-4.280	-4.280	-4.280
376	Underground Cables				13	60.00								-	-	-1.069	-1.069	-1.069
377	Transformers				13	35.00								-	-	-2.556	-2.556	-2.556
378	Switchgear				13	35.00								-	-	-1.338	-1.338	-1.338
379	Street lighting				13	20.00								-	-	-0.221	-0.221	-0.221
380	Meters and Services				13	15.00								-	-	-1.573	-1.573	-1.573
381	IT				13	6.00								-	-	-6.295	-6.295	-6.295
382	SCADA & Communications				13	10.16								-	-	-0.369	-0.369	-0.369
383	Other Distribution Non-Network				13	27.00								-	-	-0.755	-0.755	-0.755
384	Distribution Land & Easements				13	-								-	-	-	-	-
385	Equity Raising Costs				13	43.00								-	-	-	-	-
386	Total													-	-	-18.457	-18.457	-18.457
387	Depreciation 14				14													
388	Wooden Pole Lines				14	41.00								-	-	-	-3.944	-3.944
389	Underground Cables				14	60.00								-	-	-	-0.906	-0.906
390	Transformers				14	35.00								-	-	-	-2.567	-2.567
391	Switchgear				14	35.00								-	-	-	-1.305	-1.305
392	Street lighting				14	20.00								-	-	-	-0.221	-0.221
393	Meters and Services				14	15.00								-	-	-	-1.881	-1.881
394	IT				14	6.00								-	-	-	-5.301	-5.301
395	SCADA & Communications				14	10.16								-	-	-	-0.448	-0.448
396	Other Distribution Non-Network				14	27.00								-	-	-	-2.015	-2.015
397	Distribution Land & Easements				14	-								-	-	-	-	-
398	Equity Raising Costs				14	43.00								-	-	-	-	-
399	Total													-	-	-	-18.588	-18.588
400	Depreciation 15				15													
401	Wooden Pole Lines				15	41.00								-	-	-	-	-3.750
402	Underground Cables				15	60.00								-	-	-	-	-0.758

ERA Western Power AA4 Revenue Model, February 2019 [Post FD]

Distribution Asset

	2	3	4	5	6	7	8	9	17	18	19	20	21	22	23	24	25	26		
4	Year Ending 30 June																			
5	Project Year																			
6	Regulatory Period																			
									2013	2014	2015	2016	2017	2018	2019	2020	2021	2022		
									7	8	9	10	11	12	13	14	15	16		
									AA3						AA4					
403	Transformers				15	35.00									-	-	-	-	-2.553	
404	Switchgear				15	35.00									-	-	-	-	-1.265	
405	Street lighting				15	20.00									-	-	-	-	-0.214	
406	Meters and Services				15	15.00									-	-	-	-	-1.907	
407	IT				15	6.00									-	-	-	-	-3.836	
408	SCADA & Communications				15	10.16									-	-	-	-	-0.415	
409	Other Distribution Non-Network				15	27.00									-	-	-	-	-0.190	
410	Distribution Land & Easements				15	-									-	-	-	-	-	
411	Equity Raising Costs				15	43.00									-	-	-	-	-	
412	Total														-	-	-	-	-14.888	
413	Closing Value																			
414	Wooden Pole Lines								1,215.33	1,574.56	1,840.74	2,007.30	2,058.86	2,211.62	2,325.74	2,421.83	2,506.01	2,577.32		
415	Underground Cables								1,028.48	1,067.91	1,105.45	1,139.40	1,168.32	1,206.71	1,248.01	1,278.39	1,299.04	1,324.83		
416	Transformers								458.50	560.93	671.93	764.48	828.88	884.70	944.79	1,002.73	1,057.59	1,116.72		
417	Switchgear								400.47	457.81	515.47	556.70	583.07	604.99	631.20	654.93	675.93	699.15		
418	Street lighting								96.11	95.18	95.13	94.91	93.22	90.21	87.48	84.52	81.21	78.18		
419	Meters and Services								90.55	95.52	100.63	114.50	123.89	133.20	147.61	165.07	181.03	195.01		
420	IT								119.41	113.52	110.57	96.49	97.93	108.32	118.77	120.04	108.70	93.93		
421	SCADA & Communications								17.31	17.56	16.13	13.95	11.87	15.30	16.32	18.01	19.23	20.01		
422	Other Distribution Non-Network								93.03	83.22	79.34	75.22	61.55	62.90	69.90	112.47	105.19	98.89		
423	Distribution Land & Easements								-	-	-	-	-	7.55	21.14	57.41	60.82	63.66		
424	Equity Raising Costs								5.91	10.46	13.87	14.90	14.55	14.18	13.82	13.46	13.09	12.73		
425	Total								3,525.09	4,076.67	4,549.26	4,877.86	5,042.14	5,339.70	5,624.78	5,928.86	6,107.86	6,280.43		

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Distribution Tax Asset

	2	3	4	5	6	7	8	17	18	19	20	21	22	23	24	25	26
4 Year Ending 30 June								2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5 Project Year								7	8	9	10	11	12	13	14	15	16
6 Regulatory Period								AA3					AA4				
7 Distribution TAB Summary																	
8 Opening Asset Value								3,127.69	3,667.47	4,178.60	4,617.02	4,915.94	5,068.68	5,327.65	5,578.35	5,853.02	6,000.14
9 Capex								630.13	642.33	600.37	488.61	357.43	480.95	497.24	539.99	431.90	439.75
10 Depreciation								-85.96	-130.42	-157.17	-186.93	-204.08	-217.53	-239.38	-260.70	-284.78	-289.64
11 Accelerated Depreciation								-3.53	-0.49	-	-	-	-4.45	-7.16	-4.61	-	-
12 Redundant Asset								-0.86	-0.29	-4.79	-2.76	-0.62	-	-	-	-	-
13 Closing Asset Value								3,667.47	4,178.60	4,617.02	4,915.94	5,068.68	5,327.65	5,578.35	5,853.02	6,000.14	6,150.25
14																	
15 Distribution TAB by asset categories																	
16 Opening Value																	
17 Wooden Pole Lines								2,747.94	2,994.36	3,292.84	3,498.19	3,606.19	3,604.49	3,704.40	3,764.93	3,810.40	3,849.11
18 Underground Cables								110.23	179.50	229.74	278.14	322.82	362.89	411.68	463.61	504.20	534.65
19 Transformers								32.22	153.91	258.53	371.60	465.79	532.73	590.59	652.87	714.78	775.53
20 Switchgear								25.69	93.46	154.76	215.18	258.06	286.00	309.42	337.33	363.19	386.98
21 Street lighting								35.13	37.92	39.20	41.14	42.57	42.31	40.98	40.04	38.94	37.57
22 Meters and Services								3.25	14.65	22.44	32.46	53.03	70.26	82.39	100.36	122.20	143.26
23 IT&T								31.47	48.32	44.29	46.01	34.98	44.86	57.09	66.44	66.04	55.84
24 SCADA & Communications								15.87	17.21	17.09	16.97	17.93	19.82	19.41	19.31	19.88	19.81
25 Other Distribution Non-Network								107.67	107.43	97.67	98.58	96.99	89.96	89.72	97.99	139.77	120.10
26 Distribution Land & Easements								18.23	17.42	17.38	13.84	13.84	13.52	21.21	35.31	73.62	77.29
27 Equity Raising Costs								-	3.29	4.66	4.92	3.75	1.82	0.74	0.17	-0.00	-0.00
28 Total								3,127.69	3,667.47	4,178.60	4,617.02	4,915.94	5,068.68	5,327.65	5,578.35	5,853.02	6,000.14
29 Capex (Actual AA1, AA2, AA3 & Forecast AA4)																	
30 Wooden Pole Lines								307.63	372.52	295.09	208.15	105.05	212.86	181.98	170.81	165.37	158.43
31 Underground Cables								69.71	55.20	55.43	53.72	50.98	61.37	66.55	57.39	48.94	56.31
32 Transformers								122.55	111.64	125.25	112.07	89.55	84.34	92.78	94.90	96.11	105.35
33 Switchgear								68.12	66.71	69.94	56.48	44.45	42.12	48.57	48.25	47.61	52.29
34 Street lighting								4.89	4.68	5.84	5.93	4.77	4.03	4.59	4.67	4.61	5.24
35 Meters and Services								11.41	8.84	11.69	23.06	21.37	17.66	24.47	29.80	30.77	31.25
36 IT&T								18.72	13.03	20.51	12.40	30.95	35.95	39.18	33.59	24.76	18.87
37 SCADA & Communications								3.35	2.71	2.68	3.70	5.06	3.40	3.89	4.80	4.54	4.24
38 Other Distribution Non-Network								18.26	2.52	10.42	11.76	5.25	11.53	21.15	57.46	5.51	4.66
39 Distribution Land & Easements								-	-	-	-	-	7.69	14.10	38.31	3.67	3.11
40 Equity Raising Costs								5.48	4.48	3.53	1.33	-	-	-	-	-	-
41 Total								630.13	642.33	600.37	488.61	357.43	480.95	497.24	539.99	431.90	439.75
42 Depreciation																	
43 Wooden Pole Lines								-58.57	-73.41	-88.50	-100.01	-106.75	-109.25	-116.43	-121.91	-126.66	-130.96
44 Underground Cables								-0.45	-4.97	-7.03	-9.05	-10.90	-12.59	-14.62	-16.79	-18.50	-19.80
45 Transformers								-0.16	-6.92	-12.19	-17.88	-22.62	-26.01	-28.96	-32.19	-35.36	-38.44
46 Switchgear								-0.17	-5.39	-9.52	-13.60	-16.51	-18.42	-20.06	-22.01	-23.82	-25.46
47 Street lighting								-2.10	-3.40	-3.90	-4.51	-5.03	-5.35	-5.53	-5.76	-5.98	-6.15
48 Meters and Services								-0.01	-1.04	-1.67	-2.48	-4.14	-5.53	-6.51	-7.95	-9.71	-11.41
49 IT&T								-1.87	-17.07	-18.79	-23.42	-21.07	-23.72	-29.83	-33.99	-34.95	-30.17
50 SCADA & Communications								-2.00	-2.83	-2.79	-2.75	-3.17	-3.81	-3.99	-4.23	-4.61	-4.86

ERA Western Power AA4 Revenue Model, February 2019 [Post FD]

Distribution Tax Asset

	2	3	4	5	6	7	8	17	18	19	20	21	22	23	24	25	26
4 Year Ending 30 June								2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5 Project Year								7	8	9	10	11	12	13	14	15	16
6 Regulatory Period								AA3					AA4				
51 Other Distribution Non-Network								-18.45	-12.28	-9.50	-10.72	-11.97	-11.77	-12.88	-15.68	-25.19	-22.40
52 Distribution Land & Easements								-	-	-	-	-	-	-	-	-	-
53 Equity Raising Costs								-2.19	-3.11	-3.28	-2.50	-1.93	-1.08	-0.57	-0.17	-	-
54 Total								-85.96	-130.42	-157.17	-186.93	-204.08	-217.53	-239.38	-260.70	-284.78	-289.64
55 Accelerated Depreciation																	
56 Wooden Pole Lines								-2.65	-0.37	-	-	-	-3.70	-5.02	-3.43	-	-
57 Underground Cables								-	-	-	-	-	-	-	-	-	-
58 Transformers								-0.71	-0.10	-	-	-	-0.47	-1.54	-0.81	-	-
59 Switchgear								-0.18	-0.02	-	-	-	-0.28	-0.59	-0.38	-	-
60 Street lighting								-	-	-	-	-	-	-	-	-	-
61 Meters and Services								-	-	-	-	-	-	-	-	-	-
62 IT&T								-	-	-	-	-	-	-	-	-	-
63 SCADA & Communications								-	-	-	-	-	-	-	-	-	-
64 Other Distribution Non-Network								-	-	-	-	-	-	-	-	-	-
65 Distribution Land & Easements								-	-	-	-	-	-	-	-	-	-
66 Equity Raising Costs								-	-	-	-	-	-	-	-	-	-
67 Total								-3.53	-0.49	-	-	-	-4.45	-7.16	-4.61	-	-
68 Redundant Assets																	
69 Wooden Pole Lines								-	-0.25	-1.24	-0.13	-	-	-	-	-	-
70 Underground Cables								-	-	-	-	-	-	-	-	-	-
71 Transformers								-	-	-	-	-	-	-	-	-	-
72 Switchgear								-	-	-	-	-	-	-	-	-	-
73 Street lighting								-	-	-	-	-	-	-	-	-	-
74 Meters and Services								-	-	-	-	-	-	-	-	-	-
75 IT&T								-	-	-	-	-	-	-	-	-	-
76 SCADA & Communications								-	-	-	-	-	-	-	-	-	-
77 Other Distribution Non-Network								-0.05	-	-	-2.63	-0.30	-	-	-	-	-
78 Distribution Land & Easements								-0.82	-0.03	-3.55	-	-0.31	-	-	-	-	-
79 Equity Raising Costs								-	-	-	-	-	-	-	-	-	-
80 Total								-0.86	-0.29	-4.79	-2.76	-0.62	-	-	-	-	-
81 Closing Value																	
82 Wooden Pole Lines								2,994.36	3,292.84	3,498.19	3,606.19	3,604.49	3,704.40	3,764.93	3,810.40	3,849.11	3,876.59
83 Underground Cables								179.50	229.74	278.14	322.82	362.89	411.68	463.61	504.20	534.65	571.16
84 Transformers								153.91	258.53	371.60	465.79	532.73	590.59	652.87	714.78	775.53	842.44
85 Switchgear								93.46	154.76	215.18	258.06	286.00	309.42	337.33	363.19	386.98	413.81
86 Street lighting								37.92	39.20	41.14	42.57	42.31	40.98	40.04	38.94	37.57	36.66
87 Meters and Services								14.65	22.44	32.46	53.03	70.26	82.39	100.36	122.20	143.26	163.10
88 IT&T								48.32	44.29	46.01	34.98	44.86	57.09	66.44	66.04	55.84	44.55
89 SCADA & Communications								17.21	17.09	16.97	17.93	19.82	19.41	19.31	19.88	19.81	19.19
90 Other Distribution Non-Network								107.43	97.67	98.58	96.99	89.96	89.72	97.99	139.77	120.10	102.36
91 Distribution Land & Easements								17.42	17.38	13.84	13.84	13.52	21.21	35.31	73.62	77.29	80.40
92 Equity Raising Costs								3.29	4.66	4.92	3.75	1.82	0.74	0.17	-0.00	-0.00	-0.00
93 Total								3,667.47	4,178.60	4,617.02	4,915.94	5,068.68	5,327.65	5,578.35	5,853.02	6,000.14	6,150.25
94																	

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Distribution Tax Asset

	2	3	4	5	6	7	8	17	18	19	20	21	22	23	24	25	26	
4 Year Ending 30 June								2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
5 Project Year								7	8	9	10	11	12	13	14	15	16	
6 Regulatory Period								AA3					AA4					
95 Initial Capital Base (ICB) (\$M Nominal)								2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
96 Opening Value																		
97 Wooden Pole Lines								2,747.94	2,686.72	2,626.36	2,566.25	2,507.52	2,449.60	2,387.98	2,325.04	2,263.69	2,205.77	
98 Underground Cables								110.23	109.79	107.61	105.46	103.32	101.20	99.08	96.96	94.84	92.72	
99 Transformers								32.22	31.36	30.46	29.68	28.90	28.12	26.88	24.56	22.98	22.21	
100 Switchgear								25.69	25.35	24.47	23.64	22.81	21.99	20.88	19.46	18.26	17.44	
101 Street lighting								35.13	33.03	30.28	27.58	24.88	22.21	19.53	16.86	14.18	11.51	
102 Meters and Services								3.25	3.24	3.11	2.98	2.86	2.73	2.61	2.48	2.36	2.23	
103 IT&T								31.47	29.60	21.89	14.30	6.73	0.96	-	-	-	-	
104 SCADA & Communications								15.87	13.87	11.71	9.99	8.64	7.33	6.02	4.71	3.40	2.09	
105 Other Distribution Non-Network								107.67	89.17	80.54	74.46	65.94	59.88	54.12	48.37	42.61	36.86	
106 Distribution Land & Easements								18.23	17.42	17.38	13.84	13.84	13.52	13.52	13.52	13.52	13.52	
107 Equity Raising Costs								-	-	-	-	-	-	-	-	-	-	
108 Total								3,127.69	3,039.54	2,953.83	2,868.18	2,785.43	2,707.53	2,630.63	2,551.97	2,475.85	2,404.35	
109 Depreciation																		
110 Wooden Pole Lines								-58.57	-59.74	-58.87	-58.59	-57.92	-57.92	-57.92	-57.92	-57.92	-57.92	
111 Underground Cables								-0.45	-2.18	-2.15	-2.14	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	
112 Transformers								-0.16	-0.80	-0.78	-0.78	-0.77	-0.77	-0.77	-0.77	-0.77	-0.77	
113 Switchgear								-0.17	-0.85	-0.83	-0.83	-0.82	-0.82	-0.82	-0.82	-0.82	-0.82	
114 Street lighting								-2.10	-2.75	-2.71	-2.70	-2.67	-2.67	-2.67	-2.67	-2.67	-2.67	
115 Meters and Services								-0.01	-0.13	-0.13	-0.13	-0.12	-0.12	-0.12	-0.12	-0.12	-0.12	
116 IT&T								-1.87	-7.71	-7.59	-7.57	-5.77	-0.96	-	-	-	-	
117 SCADA & Communications								-2.00	-2.16	-1.72	-1.35	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	
118 Other Distribution Non-Network								-18.45	-8.63	-6.08	-5.90	-5.76	-5.76	-5.76	-5.76	-5.76	-5.76	
119 Distribution Land & Easements								-	-	-	-	-	-	-	-	-	-	
120 Equity Raising Costs								-	-	-	-	-	-	-	-	-	-	
121 Total								-83.77	-84.93	-80.86	-80.00	-77.28	-72.46	-71.50	-71.50	-71.50	-71.50	
122 Accelerated Depreciation																		
123 Wooden Pole Lines								-2.65	-0.37	-	-	-	-3.70	-5.02	-3.43	-	-	
124 Underground Cables								-	-	-	-	-	-	-	-	-	-	
125 Transformers								-0.71	-0.10	-	-	-	-0.47	-1.54	-0.81	-	-	
126 Switchgear								-0.18	-0.02	-	-	-	-0.28	-0.59	-0.38	-	-	
127 Street lighting								-	-	-	-	-	-	-	-	-	-	
128 Meters and Services								-	-	-	-	-	-	-	-	-	-	
129 IT&T								-	-	-	-	-	-	-	-	-	-	
130 SCADA & Communications								-	-	-	-	-	-	-	-	-	-	
131 Other Distribution Non-Network								-	-	-	-	-	-	-	-	-	-	
132 Distribution Land & Easements								-	-	-	-	-	-	-	-	-	-	
133 Equity Raising Costs								-	-	-	-	-	-	-	-	-	-	
134 Total								-3.53	-0.49	-	-	-	-4.45	-7.16	-4.61	-	-	
135 Redundant Assets																		
136 Wooden Pole Lines								-	-0.25	-1.24	-0.13	-	-	-	-	-	-	-
137 Underground Cables								-	-	-	-	-	-	-	-	-	-	
138 Transformers								-	-	-	-	-	-	-	-	-	-	

ERA Western Power AA4 Revenue Model, February 2019 [Post FD]

Distribution Tax Asset

	2	3	4	5	6	7	8	17	18	19	20	21	22	23	24	25	26
4 Year Ending 30 June								2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5 Project Year								7	8	9	10	11	12	13	14	15	16
6 Regulatory Period								AA3					AA4				
139 Switchgear								-	-	-	-	-	-	-	-	-	-
140 Street lighting								-	-	-	-	-	-	-	-	-	-
141 Meters and Services								-	-	-	-	-	-	-	-	-	-
142 IT&T								-	-	-	-	-	-	-	-	-	-
143 SCADA & Communications								-	-	-	-	-	-	-	-	-	-
144 Other Distribution Non-Network								-0.05	-	-	-2.63	-0.30	-	-	-	-	-
145 Distribution Land & Easements								-0.82	-0.03	-3.55	-	-0.31	-	-	-	-	-
146 Equity Raising Costs								-	-	-	-	-	-	-	-	-	-
147 Total								-0.86	-0.29	-4.79	-2.76	-0.62					
148 Closing Value																	
149 Wooden Pole Lines								2,686.72	2,626.36	2,566.25	2,507.52	2,449.60	2,387.98	2,325.04	2,263.69	2,205.77	2,147.86
150 Underground Cables								109.79	107.61	105.46	103.32	101.20	99.08	96.96	94.84	92.72	90.60
151 Transformers								31.36	30.46	29.68	28.90	28.12	26.88	24.56	22.98	22.21	21.43
152 Switchgear								25.35	24.47	23.64	22.81	21.99	20.88	19.46	18.26	17.44	16.62
153 Street lighting								33.03	30.28	27.58	24.88	22.21	19.53	16.86	14.18	11.51	9
154 Meters and Services								3.24	3.11	2.98	2.86	2.73	2.61	2.48	2.36	2.23	2.11
155 IT&T								29.60	21.89	14.30	6.73	0.96	-	-	-	-	-
156 SCADA & Communications								13.87	11.71	9.99	8.64	7.33	6.02	4.71	3.40	2.09	0.78
157 Other Distribution Non-Network								89.17	80.54	74.46	65.94	59.88	54.12	48.37	42.61	36.86	31.10
158 Distribution Land & Easements								17.42	17.38	13.84	13.84	13.52	13.52	13.52	13.52	13.52	13.52
159 Equity Raising Costs								-	-	-	-	-	-	-	-	-	-
160 Total								3,039.54	2,953.83	2,868.18	2,785.43	2,707.53	2,630.63	2,551.97	2,475.85	2,404.35	2,332.85
161																	
162 Capital Expenditure								2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
163 Opening Value																	
164 Wooden Pole Lines								-	307.63	666.48	931.95	1,098.67	1,154.89	1,316.42	1,439.89	1,546.70	1,643.34
165 Underground Cables								-	69.71	122.13	172.68	219.49	261.69	312.60	366.65	409.37	441.93
166 Transformers								-	122.55	228.06	341.92	436.89	504.60	563.71	628.31	691.79	753.32
167 Switchgear								-	68.12	130.28	191.54	235.25	264.02	288.53	317.86	344.93	369.54
168 Street lighting								-	4.89	8.92	13.57	17.69	20.11	21.45	23.18	24.76	26.06
169 Meters and Services								-	11.41	19.33	29.47	50.17	67.53	79.79	97.88	119.84	141.02
170 IT&T								-	18.72	22.39	31.71	28.26	43.91	57.09	66.44	66.04	55.84
171 SCADA & Communications								-	3.35	5.38	6.98	9.29	12.50	13.40	14.61	16.49	17.73
172 Other Distribution Non-Network								-	18.26	17.13	24.12	31.05	30.09	35.60	49.63	97.16	83.24
173 Distribution Land & Easements								-	-	-	-	-	-	7.69	21.78	60.09	63.76
174 Equity Raising Costs								-	3.29	4.66	4.92	3.75	1.82	0.74	0.17	-0.00	-0.00
175 Total								-	627.93	1,224.77	1,748.84	2,130.52	2,361.15	2,697.02	3,026.39	3,377.17	3,595.79
176 Capex (i.e. Owner's Capex - Cash Contribution)																	
177 Wooden Pole Lines								307.63	372.52	295.09	208.15	105.05	212.86	181.98	170.81	165.37	158.43
178 Underground Cables								69.71	55.20	55.43	53.72	50.98	61.37	66.55	57.39	48.94	56.31
179 Transformers								122.55	111.64	125.25	112.07	89.55	84.34	92.78	94.90	96.11	105.35
180 Switchgear								68.12	66.71	69.94	56.48	44.45	42.12	48.57	48.25	47.61	52.29
181 Street lighting								4.89	4.68	5.84	5.93	4.77	4.03	4.59	4.67	4.61	5.24
182 Meters and Services								11.41	8.84	11.69	23.06	21.37	17.66	24.47	29.80	30.77	31.25

ERA Western Power AA4 Revenue Model, February 2019 [Post FD]

Distribution Tax Asset

	2	3	4	5	6	7	8	17	18	19	20	21	22	23	24	25	26
4 Year Ending 30 June								2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5 Project Year								7	8	9	10	11	12	13	14	15	16
6 Regulatory Period								AA3					AA4				
183 IT&T								18.72	13.03	20.51	12.40	30.95	35.95	39.18	33.59	24.76	18.87
184 SCADA & Communications								3.35	2.71	2.68	3.70	5.06	3.40	3.89	4.80	4.54	4.24
185 Other Distribution Non-Network								18.26	2.52	10.42	11.76	5.25	11.53	21.15	57.46	5.51	4.66
186 Distribution Land & Easements								-	-	-	-	-	7.69	14.10	38.31	3.67	3.11
187 Equity Raising Costs								5.48	4.48	3.53	1.33	-	-	-	-	-	-
188 Total								630.13	642.33	600.37	488.61	357.43	480.95	497.24	539.99	431.90	439.75
189 CAPEX Depreciation																	
190 Wooden Pole Lines								-	-13.673	-29.621	-41.420	-48.830	-51.328	-58.507	-63.995	-68.742	-73.037
191 Underground Cables								-	-2.788	-4.885	-6.907	-8.780	-10.468	-12.504	-14.666	-16.375	-17.677
192 Transformers								-	-6.127	-11.403	-17.096	-21.845	-25.230	-28.186	-31.415	-34.590	-37.666
193 Switchgear								-	-4.541	-8.685	-12.769	-15.683	-17.601	-19.236	-21.191	-22.995	-24.636
194 Street lighting								-	-0.652	-1.189	-1.809	-2.359	-2.681	-2.860	-3.090	-3.301	-3.475
195 Meters and Services								-	-0.913	-1.547	-2.358	-4.014	-5.402	-6.383	-7.830	-9.587	-11.282
196 IT								-	-9.360	-11.197	-15.854	-15.298	-22.767	-29.829	-33.995	-34.954	-30.168
197 SCADA & Communications								-	-0.669	-1.077	-1.397	-1.858	-2.499	-2.679	-2.921	-3.297	-3.546
198 Other Distribution Non-Network								-	-3.652	-3.425	-4.823	-6.211	-6.018	-7.120	-9.925	-19.432	-16.648
199 Distribution Land & Easements								-	-	-	-	-	-	-	-	-	-
200 Equity Raising Costs								-2.194	-3.109	-3.277	-2.498	-1.925	-1.077	-0.572	-0.172	-	-
201 Total								-2.194	-45.485	-76.307	-106.931	-126.802	-145.072	-167.876	-189.201	-213.274	-218.135
202 Depreciation 7			7														
203 Wooden Pole Lines			7	45.00				-	-13.673	-13.065	-12.484	-11.929	-11.399	-10.893	-10.408	-9.946	-9.504
204 Underground Cables			7	50.00				-	-2.788	-2.677	-2.570	-2.467	-2.368	-2.274	-2.183	-2.095	-2.012
205 Transformers			7	40.00				-	-6.127	-5.821	-5.530	-5.253	-4.991	-4.741	-4.504	-4.279	-4.065
206 Switchgear			7	30.00				-	-4.541	-4.238	-3.956	-3.692	-3.446	-3.216	-3.002	-2.802	-2.615
207 Street lighting			7	15.00				-	-0.652	-0.565	-0.490	-0.425	-0.368	-0.319	-0.276	-0.240	-0.208
208 Meters and Services			7	25.00				-	-0.913	-0.840	-0.773	-0.711	-0.654	-0.602	-0.553	-0.509	-0.468
209 IT			7	4.00				-	-9.360	-4.680	-2.340	-2.340	-	-	-	-	-
210 SCADA & Communications			7	10.00				-	-0.669	-0.536	-0.428	-0.343	-0.274	-0.219	-0.175	-0.140	-0.112
211 Other Distribution Non-Network			7	10.00				-	-3.652	-2.922	-2.337	-1.870	-1.496	-1.197	-0.957	-0.766	-0.613
212 Distribution Land & Easements			7	-				-	-	-	-	-	-	-	-	-	-
213 Equity Raising Costs			7	5.00				-2.194	-1.316	-0.790	-0.474	-0.711	-	-	-	-	-
214 Total			7					-2.194	-43.693	-36.134	-31.382	-29.741	-24.996	-23.460	-22.060	-20.777	-19.597
215 Depreciation 8			8														
216 Wooden Pole Lines			8	45.00				-	-	-16.556	-15.821	-15.117	-14.446	-13.804	-13.190	-12.604	-12.044
217 Underground Cables			8	50.00				-	-	-2.208	-2.120	-2.035	-1.954	-1.876	-1.800	-1.728	-1.659
218 Transformers			8	40.00				-	-	-5.582	-5.303	-5.038	-4.786	-4.547	-4.319	-4.103	-3.898
219 Switchgear			8	30.00				-	-	-4.447	-4.151	-3.874	-3.616	-3.375	-3.150	-2.940	-2.744
220 Street lighting			8	15.00				-	-	-0.624	-0.541	-0.469	-0.406	-0.352	-0.305	-0.264	-0.229
221 Meters and Services			8	25.00				-	-	-0.707	-0.650	-0.598	-0.551	-0.507	-0.466	-0.429	-0.394
222 IT			8	4.00				-	-	-6.517	-3.258	-1.629	-1.629	-	-	-	-
223 SCADA & Communications			8	10.00				-	-	-0.541	-0.433	-0.346	-0.277	-0.222	-0.177	-0.142	-0.113
224 Other Distribution Non-Network			8	10.00				-	-	-0.503	-0.403	-0.322	-0.258	-0.206	-0.165	-0.132	-0.106
225 Distribution Land & Easements			8	-				-	-	-	-	-	-	-	-	-	-
226 Equity Raising Costs			8	5.00				-1.792	-1.075	-0.645	-0.387	-0.581	-	-	-	-	-

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Distribution Tax Asset

	2	3	4	5	6	7	8	17	18	19	20	21	22	23	24	25	26
4 Year Ending 30 June								2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5 Project Year								7	8	9	10	11	12	13	14	15	16
6 Regulatory Period								AA3					AA4				
227 Total								-	-1.792	-38.761	-33.324	-29.816	-28.502	-24.887	-23.573	-22.342	-21.187
228 Depreciation 9			9														
229 Wooden Pole Lines			9	45.00				-	-	-	-13.115	-12.532	-11.975	-11.443	-10.934	-10.448	-9.984
230 Underground Cables			9	50.00				-	-	-	-2.217	-2.129	-2.044	-1.962	-1.883	-1.808	-1.736
231 Transformers			9	40.00				-	-	-	-6.263	-5.950	-5.652	-5.369	-5.101	-4.846	-4.604
232 Switchgear			9	30.00				-	-	-	-4.663	-4.352	-4.062	-3.791	-3.538	-3.302	-3.082
233 Street lighting			9	15.00				-	-	-	-0.778	-0.674	-0.584	-0.507	-0.439	-0.380	-0.330
234 Meters and Services			9	25.00				-	-	-	-0.935	-0.860	-0.791	-0.728	-0.670	-0.616	-0.567
235 IT			9	4.00				-	-	-	-10.256	-5.128	-2.564	-2.564	-	-	-
236 SCADA & Communications			9	10.00				-	-	-	-0.536	-0.428	-0.343	-0.274	-0.219	-0.175	-0.140
237 Other Distribution Non-Network			9	10.00				-	-	-	-2.083	-1.666	-1.333	-1.066	-0.853	-0.683	-0.546
238 Distribution Land & Easements			9	-				-	-	-	-	-	-	-	-	-	-
239 Equity Raising Costs			9	5.00							-1.412	-0.847	-0.508	-0.305	-0.457	-	-
240 Total								-	-	-1.412	-41.693	-34.228	-29.653	-28.162	-23.638	-22.259	-20.989
241 Depreciation 10			10														
242 Wooden Pole Lines			10	45.00				-	-	-	-	-9.251	-8.840	-8.447	-8.071	-7.713	-7.370
243 Underground Cables			10	50.00				-	-	-	-	-2.149	-2.063	-1.980	-1.901	-1.825	-1.752
244 Transformers			10	40.00				-	-	-	-	-5.604	-5.324	-5.057	-4.804	-4.564	-4.336
245 Switchgear			10	30.00				-	-	-	-	-3.766	-3.514	-3.280	-3.061	-2.857	-2.667
246 Street lighting			10	15.00				-	-	-	-	-0.791	-0.686	-0.594	-0.515	-0.446	-0.387
247 Meters and Services			10	25.00				-	-	-	-	-1.844	-1.697	-1.561	-1.436	-1.321	-1.216
248 IT			10	4.00				-	-	-	-	-6.201	-3.100	-1.550	-1.550	-	-
249 SCADA & Communications			10	10.00				-	-	-	-	-0.740	-0.592	-0.474	-0.379	-0.303	-0.243
250 Other Distribution Non-Network			10	10.00				-	-	-	-	-2.352	-1.882	-1.505	-1.204	-0.963	-0.771
251 Distribution Land & Easements			10	-				-	-	-	-	-	-	-	-	-	-
252 Equity Raising Costs			10	5.00							-0.532	-0.319	-0.191	-0.115	-0.172	-	-
253 Total								-	-	-	-0.532	-33.017	-27.889	-24.564	-23.096	-19.994	-18.741
254 Depreciation 11			11														
255 Wooden Pole Lines			11	45.00									-4.669	-4.461	-4.263	-4.073	-3.892
256 Underground Cables			11	50.00									-2.039	-1.958	-1.879	-1.804	-1.732
257 Transformers			11	40.00									-4.478	-4.254	-4.041	-3.839	-3.647
258 Switchgear			11	30.00									-2.963	-2.766	-2.581	-2.409	-2.249
259 Street lighting			11	15.00									-0.637	-0.552	-0.478	-0.414	-0.359
260 Meters and Services			11	25.00									-1.710	-1.573	-1.447	-1.331	-1.225
261 IT			11	4.00									-15.474	-7.737	-3.869	-3.869	-
262 SCADA & Communications			11	10.00									-1.013	-0.810	-0.648	-0.519	-0.415
263 Other Distribution Non-Network			11	10.00									-1.049	-0.839	-0.671	-0.537	-0.430
264 Distribution Land & Easements			11	-									-	-	-	-	-
265 Equity Raising Costs			11	5.00									-	-	-	-	-
266 Total													-34.031	-24.950	-19.878	-18.796	-13.949
267 Depreciation 12			12														
268 Wooden Pole Lines			12	45.00									-	-9.460	-9.040	-8.638	-8.254
269 Underground Cables			12	50.00									-	-2.455	-2.357	-2.262	-2.172
270 Transformers			12	40.00									-	-4.217	-4.006	-3.806	-3.616

ERA Western Power AA4 Revenue Model, February 2019 [Post FD]

Distribution Tax Asset

	2	3	4	5	6	7	8	17	18	19	20	21	22	23	24	25	26
4 Year Ending 30 June								2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5 Project Year								7	8	9	10	11	12	13	14	15	16
6 Regulatory Period								AA3			AA4						
271 Switchgear					12	30.00							-	-2.808	-2.621	-2.446	-2.283
272 Street lighting					12	15.00							-	-0.537	-0.465	-0.403	-0.350
273 Meters and Services					12	25.00							-	-1.413	-1.300	-1.196	-1.100
274 IT					12	4.00							-	-17.977	-8.989	-4.494	-4.494
275 SCADA & Communications					12	10.00							-	-0.680	-0.544	-0.435	-0.348
276 Other Distribution Non-Network					12	10.00							-	-2.306	-1.845	-1.476	-1.181
277 Distribution Land & Easements					12	-							-	-	-	-	-
278 Equity Raising Costs					12	5.00							-	-	-	-	-
279 Total													-	-41.853	-31.166	-25.157	-23.797
280 Depreciation 13					13												
281 Wooden Pole Lines					13	45.00							-	-	-8.088	-7.728	-7.385
282 Underground Cables					13	50.00							-	-	-2.662	-2.556	-2.453
283 Transformers					13	40.00							-	-	-4.639	-4.407	-4.187
284 Switchgear					13	30.00							-	-	-3.238	-3.022	-2.820
285 Street lighting					13	15.00							-	-	-0.611	-0.530	-0.459
286 Meters and Services					13	25.00							-	-	-1.958	-1.801	-1.657
287 IT					13	4.00							-	-	-19.588	-9.794	-4.897
288 SCADA & Communications					13	10.00							-	-	-0.778	-0.622	-0.498
289 Other Distribution Non-Network					13	10.00							-	-	-4.229	-3.383	-2.707
290 Distribution Land & Easements					13	-							-	-	-	-	-
291 Equity Raising Costs					13	5.00							-	-	-	-	-
292 Total													-	-	-45.790	-33.843	-27.063
293 Depreciation 14					14												
294 Wooden Pole Lines					14	45.00							-	-	-	-7.592	-7.254
295 Underground Cables					14	50.00							-	-	-	-2.295	-2.204
296 Transformers					14	40.00							-	-	-	-4.745	-4.508
297 Switchgear					14	30.00							-	-	-	-3.217	-3.002
298 Street lighting					14	15.00							-	-	-	-0.623	-0.540
299 Meters and Services					14	25.00							-	-	-	-2.384	-2.193
300 IT					14	4.00							-	-	-	-16.797	-8.399
301 SCADA & Communications					14	10.00							-	-	-	-0.961	-0.768
302 Other Distribution Non-Network					14	10.00							-	-	-	-11.492	-9.194
303 Distribution Land & Easements					14	-							-	-	-	-	-
304 Equity Raising Costs					14	5.00							-	-	-	-	-
305 Total													-	-	-	-50.105	-38.062
306 Depreciation 15					15												
307 Wooden Pole Lines					15	45.00							-	-	-	-	-7.350
308 Underground Cables					15	50.00							-	-	-	-	-1.958
309 Transformers					15	40.00							-	-	-	-	-4.806
310 Switchgear					15	30.00							-	-	-	-	-3.174
311 Street lighting					15	15.00							-	-	-	-	-0.614
312 Meters and Services					15	25.00							-	-	-	-	-2.461
313 IT					15	4.00							-	-	-	-	-12.378
314 SCADA & Communications					15	10.00							-	-	-	-	-0.908

ERA Western Power AA4 Revenue Model, February 2019 [Post FD]

Distribution Tax Asset

	2	3	4	5	6	7	8	17	18	19	20	21	22	23	24	25	26
4 Year Ending 30 June								2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5 Project Year								7	8	9	10	11	12	13	14	15	16
6 Regulatory Period								AA3					AA4				
315 Other Distribution Non-Network					15	10.00							-	-	-	-	-1.102
316 Distribution Land & Easements					15	-							-	-	-	-	-
317 Equity Raising Costs					15	5.00											-
318 Total													-	-	-	-	-34.751
319 Depreciation 16					16												
320 Wooden Pole Lines					16	45.00							-	-	-	-	-
321 Underground Cables					16	50.00							-	-	-	-	-
322 Transformers					16	40.00							-	-	-	-	-
323 Switchgear					16	30.00							-	-	-	-	-
324 Street lighting					16	15.00							-	-	-	-	-
325 Meters and Services					16	25.00							-	-	-	-	-
326 IT					16	4.00							-	-	-	-	-
327 SCADA & Communications					16	10.00							-	-	-	-	-
328 Other Distribution Non-Network					16	10.00							-	-	-	-	-
329 Distribution Land & Easements					16	-							-	-	-	-	-
330 Equity Raising Costs					16	5.00											-
331 Total													-	-	-	-	-
332 Closing Value																	
333 Wooden Pole Lines							307.63	666.48	931.95	1,098.67	1,154.89	1,316.42	1,439.89	1,546.70	1,643.34	1,728.73	
334 Underground Cables							69.71	122.13	172.68	219.49	261.69	312.60	366.65	409.37	441.93	480.57	
335 Transformers							122.55	228.06	341.92	436.89	504.60	563.71	628.31	691.79	753.32	821.00	
336 Switchgear							68.12	130.28	191.54	235.25	264.02	288.53	317.86	344.93	369.54	397.20	
337 Street lighting							4.89	8.92	13.57	17.69	20.11	21.45	23.18	24.76	26.06	27.82	
338 Meters and Services							11.41	19.33	29.47	50.17	67.53	79.79	97.88	119.84	141.02	160.99	
339 IT							18.72	22.39	31.71	28.26	43.91	57.09	66.44	66.04	55.84	44.55	
340 SCADA & Communications							3.35	5.38	6.98	9.29	12.50	13.40	14.61	16.49	17.73	18.42	
341 Other Distribution Non-Network							18.26	17.13	24.12	31.05	30.09	35.60	49.63	97.16	83.24	71.26	
342 Distribution Land & Easements							-	-	-	-	-	7.69	21.78	60.09	63.76	66.87	
343 Equity Raising Costs							3.29	4.66	4.92	3.75	1.82	0.74	0.17	-0.00	-0.00	-0.00	
344 Total							627.93	1,224.77	1,748.84	2,130.52	2,361.15	2,697.02	3,026.39	3,377.17	3,595.79	3,817.41	

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Asset

	2	3	4	5	6	7	8	9	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June																	
5	Project Year																	
6	Regulatory Period																	
7	Distribution RAB Summary																	
									AA3				AA4					
8	Opening Asset Value																	
9	Capex																	
10	Depreciation																	
11	Accelerated Depreciation																	
12	Redundant Asset																	
13	Closing Asset Value																	
14																		
15	Distribution RAB by asset categories																	
16	Opening Value																	
17	Transmission cables																	
18	Transmission steel towers																	
19	Transmission wood poles																	
20	Transmission metering																	
21	Transmission transformers																	
22	Transmission reactors																	
23	Transmission capacitors																	
24	Transmission circuit breakers																	
25	SCADA and communications																	
26	IT																	
27	Other non-network assets																	
28	Land & Easements																	
29	Equity raising costs																	
30	Total																	
31	Capex (Actual AA1, AA2, AA3 & Forecast AA4)																	
32	Transmission cables																	
33	Transmission steel towers																	
34	Transmission wood poles																	
35	Transmission metering																	
36	Transmission transformers																	
37	Transmission reactors																	
38	Transmission capacitors																	
39	Transmission circuit breakers																	
40	SCADA and communications																	
41	IT																	
42	Other non-network assets																	
43	Land & Easements																	
44	Equity raising costs																	
45	Total																	
46	Depreciation																	
47	Transmission cables																	
48	Transmission steel towers																	
49	Transmission wood poles																	
50	Transmission metering																	
									2,816.74	2,927.65	3,161.62	3,197.47	3,135.46	3,108.632	3,122.753	3,183.417	3,233.517	3,224.729
									209.308	341.626	159.198	119.897	104.067	124.110	176.549	172.765	120.562	120.482
									-93.97	-103.42	-114.05	-121.27	-129.44	-109.989	-115.886	-122.665	-129.350	-132.700
									-	-	-	-	-	-	-	-	-	-
									-4.42	-4.24	-9.30	-60.64	-1.45	-	-	-	-	-
									2,927.65	3,161.62	3,197.47	3,135.46	3,108.63	3,122.753	3,183.417	3,233.517	3,224.729	3,212.512
									36.29	51.20	80.91	88.42	89.51	89.94	92.10	93.78	92.83	91.98
									825.84	817.85	820.09	805.52	787.93	769.56	753.09	736.30	717.84	699.46
									236.19	252.26	268.35	284.76	294.02	300.90	313.45	338.02	358.89	372.88
									2.11	2.01	1.90	1.80	1.69	1.59	1.48	1.38	1.27	1.17
									379.28	423.23	513.01	537.80	551.62	558.11	570.15	597.95	614.80	627.17
									16.90	23.11	34.80	40.46	43.50	45.89	48.06	52.15	54.82	56.93
									155.07	152.53	153.69	148.84	142.61	136.12	130.31	124.38	117.80	111.24
									751.91	749.00	764.95	753.02	740.18	722.64	707.90	702.16	691.88	679.08
									68.78	69.55	73.78	78.95	86.48	86.86	88.31	96.73	106.16	112.59
									60.25	66.34	66.11	65.98	59.98	59.36	67.70	71.91	71.24	64.95
									62.12	67.25	62.69	60.28	56.86	50.67	50.82	55.12	73.78	70.30
									222.02	252.77	318.91	328.92	277.74	282.57	295.06	309.31	328.07	332.93
									-	0.55	2.43	2.72	3.34	4.43	4.33	4.24	4.15	4.05
									2,816.74	2,927.65	3,161.62	3,197.47	3,135.46	3,108.63	3,122.75	3,183.42	3,233.52	3,224.73
									15.77	31.08	9.62	3.56	3.30	4.13	3.72	1.16	1.28	0.90
									10.85	21.41	5.03	2.24	1.71	3.04	2.78	1.16	1.25	1.01
									28.57	29.23	30.32	23.92	22.42	28.01	40.64	37.85	31.82	32.15
									-	-	-	-	-	-	-	-	-	-
									57.82	107.67	42.52	33.29	26.47	29.50	45.86	35.82	32.06	36.58
									6.68	12.38	6.67	4.21	3.76	3.29	5.28	3.97	3.49	4.03
									3.99	7.86	2.10	0.85	0.72	1.09	0.99	0.37	0.40	0.31
									24.05	43.58	16.61	16.31	12.23	14.44	23.72	19.66	17.53	20.25
									6.10	10.98	13.10	16.78	11.51	9.17	15.46	17.86	16.48	12.73
									10.17	6.70	9.54	5.27	12.33	14.07	15.05	12.67	9.17	6.87
									10.80	1.89	5.29	5.47	2.27	4.89	8.80	23.49	2.21	1.84
									33.96	66.96	18.04	7.30	6.16	12.49	14.25	18.76	4.86	3.82
									0.55	1.90	0.36	0.69	1.20	-	-	-	-	-
									209.31	341.63	159.20	119.90	104.07	124.11	176.55	172.77	120.56	120.48
									-0.86	-1.37	-2.10	-2.47	-2.87	-1.97	-2.04	-2.11	-2.13	-2.15
									-18.85	-19.16	-19.60	-19.83	-20.08	-19.52	-19.57	-19.61	-19.63	-19.65
									-12.49	-13.14	-13.91	-14.66	-15.55	-15.46	-16.08	-16.98	-17.83	-18.53
									-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Asset

	2	3	4	5	6	7	8	9	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June																	
5	Project Year																	
6	Regulatory Period																	
	AA3									AA4								
51	Transmission transformers	-12.68	-14.48	-16.93	-18.42	-19.98	-17.47	-18.06	-18.97	-19.69	-20.33							
52	Transmission reactors	-0.47	-0.70	-1.00	-1.18	-1.36	-1.13	-1.19	-1.30	-1.38	-1.45							
53	Transmission capacitors	-6.53	-6.70	-6.95	-7.07	-7.21	-6.89	-6.92	-6.95	-6.96	-6.97							
54	Transmission circuit breakers	-26.95	-27.63	-28.54	-29.15	-29.78	-29.17	-29.46	-29.93	-30.33	-30.68							
55	SCADA and communications	-5.33	-6.74	-7.94	-9.25	-11.12	-7.73	-7.03	-8.43	-10.06	-11.55							
56	IT	-4.07	-6.92	-9.67	-11.27	-12.95	-5.72	-10.84	-13.35	-15.46	-15.41							
57	Other non-network assets	-5.64	-6.44	-7.23	-7.78	-8.33	-4.74	-4.50	-4.83	-5.70	-5.78							
58	Land & Easements	-	-	-	-	-	-	-	-	-	-							
59	Equity raising costs	-	-0.02	-0.07	-0.08	-0.11	-0.09	-0.09	-0.09	-0.09	-0.09							
60	Total	-93.97	-103.42	-114.05	-121.27	-129.44	-109.99	-115.89	-122.66	-129.35	-132.70							
61	Accelerated Depreciation																	
62	Transmission cables	-	-	-	-	-	-	-	-	-	-							
63	Transmission steel towers	-	-	-	-	-	-	-	-	-	-							
64	Transmission wood poles	-	-	-	-	-	-	-	-	-	-							
65	Transmission metering	-	-	-	-	-	-	-	-	-	-							
66	Transmission transformers	-	-	-	-	-	-	-	-	-	-							
67	Transmission reactors	-	-	-	-	-	-	-	-	-	-							
68	Transmission capacitors	-	-	-	-	-	-	-	-	-	-							
69	Transmission circuit breakers	-	-	-	-	-	-	-	-	-	-							
70	SCADA and communications	-	-	-	-	-	-	-	-	-	-							
71	IT	-	-	-	-	-	-	-	-	-	-							
72	Other non-network assets	-	-	-	-	-	-	-	-	-	-							
73	Land & Easements	-	-	-	-	-	-	-	-	-	-							
74	Equity raising costs	-	-	-	-	-	-	-	-	-	-							
75	Total	-	-	-	-	-	-	-	-	-	-							
76	Redundant Assets																	
77	Transmission cables	-	-	-	-	-	-	-	-	-	-							
78	Transmission steel towers	-	-	-	-	-	-	-	-	-	-							
79	Transmission wood poles	-	-	-	-	-	-	-	-	-	-							
80	Transmission metering	-	-	-	-	-	-	-	-	-	-							
81	Transmission transformers	-1.19	-3.41	-0.80	-1.05	-	-	-	-	-	-							
82	Transmission reactors	-	-	-	-	-	-	-	-	-	-							
83	Transmission capacitors	-	-	-	-	-	-	-	-	-	-							
84	Transmission circuit breakers	-	-	-	-	-	-	-	-	-	-							
85	SCADA and communications	-	-	-	-	-	-	-	-	-	-							
86	IT	-	-	-	-	-	-	-	-	-	-							
87	Other non-network assets	-0.03	-	-0.47	-1.11	-0.12	-	-	-	-	-							
88	Land & Easements	-3.21	-0.83	-8.03	-58.48	-1.33	-	-	-	-	-							
89	Equity raising costs	-	-	-	-	-	-	-	-	-	-							
90	Total	-4.42	-4.24	-9.30	-60.64	-1.45	-	-	-	-	-							
91	Closing Value																	
92	Transmission cables	51.20	80.91	88.42	89.51	89.94	92.10	93.78	92.83	91.98	90.72							
93	Transmission steel towers	817.85	820.09	805.52	787.93	769.56	753.09	736.30	717.84	699.46	680.81							
94	Transmission wood poles	252.26	268.35	284.76	294.02	300.90	313.45	338.02	358.89	372.88	386.50							

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Asset

	2	3	4	5	6	7	8	9	17	18	19	20	21	22	23	24	25	26	
4	Year Ending 30 June																		
5	Project Year																		
6	Regulatory Period																		
	AA3									AA4									
95	Transmission metering								2.01	1.90	1.80	1.69	1.59	1.48	1.38	1.27	1.17	1.06	
96	Transmission transformers								423.23	513.01	537.80	551.62	558.11	570.15	597.95	614.80	627.17	643.42	
97	Transmission reactors								23.11	34.80	40.46	43.50	45.89	48.06	52.15	54.82	56.93	59.52	
98	Transmission capacitors								152.53	153.69	148.84	142.61	136.12	130.31	124.38	117.80	111.24	104.59	
99	Transmission circuit breakers								749.00	764.95	753.02	740.18	722.64	707.90	702.16	691.88	679.08	668.66	
100	SCADA and communications								69.55	73.78	78.95	86.48	86.86	88.31	96.73	106.16	112.59	113.76	
101	IT								66.34	66.11	65.98	59.98	59.36	67.70	71.91	71.24	64.95	56.41	
102	Other non-network assets								67.25	62.69	60.28	56.86	50.67	50.82	55.12	73.78	70.30	66.35	
103	Land & Easements								252.77	318.91	328.92	277.74	282.57	295.06	309.31	328.07	332.93	336.74	
104	Equity raising costs								0.55	2.43	2.72	3.34	4.43	4.33	4.24	4.15	4.05	3.96	
105	Total								2,927.65	3,161.62	3,197.47	3,135.46	3,108.63	3,122.75	3,183.42	3,233.52	3,224.73	3,212.51	
106																			
107	Initial Capital Base (ICB) (\$M Real 30/06/2017)																		
108	Project Year																		
109	Opening Value																		
110	Transmission cables								13.13	12.72	12.31	11.90	11.49	11.08	10.67	10.26	9.86	9.45	
111	Transmission steel towers								402.37	390.97	379.57	368.17	356.78	345.38	333.98	322.58	311.18	299.78	
112	Transmission wood poles								158.75	148.10	137.44	126.79	116.13	105.48	94.83	84.17	73.52	62.86	
113	Transmission metering								2.11	2.01	1.90	1.80	1.69	1.59	1.48	1.38	1.27	1.17	
114	Transmission transformers								152.71	143.68	132.44	123.81	114.93	107.10	99.71	92.32	84.94	77.55	
115	Transmission reactors								3.94	3.76	3.57	3.38	3.19	3.00	2.82	2.63	2.44	2.25	
116	Transmission capacitors								72.77	68.52	64.26	60.00	55.75	51.49	47.24	42.98	38.73	34.47	
117	Transmission circuit breakers								462.01	441.20	420.39	399.58	378.77	357.95	337.14	316.33	295.52	274.71	
118	SCADA and communications								20.69	16.86	13.03	9.20	5.37	1.53	-	-	-	-	
119	IT								-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-	-	-	-	
120	Other non-network assets								15.79	13.13	10.50	7.40	3.65	0.90	-	-	-	-	
121	Land & Easements								98.38	95.17	94.35	86.32	27.84	26.51	26.51	26.51	26.51	26.51	
122	Equity raising costs								-	-	-	-	-	-	-	-	-	-	
123	Total								1,402.66	1,336.12	1,269.77	1,198.35	1,075.59	1,012.02	954.38	899.17	843.96	788.76	
124	Depreciation																		
										ICB Life as at 30/06/2006									
125	Transmission cables									38.1	-0.41	-0.41	-0.41	-0.41	-0.41	-0.409	-0.409	-0.409	-0.409
126	Transmission steel towers									41.3	-11.40	-11.40	-11.40	-11.40	-11.40	-11.399	-11.399	-11.399	-11.399
127	Transmission wood poles									20.9	-10.65	-10.65	-10.65	-10.65	-10.65	-10.655	-10.655	-10.655	-10.655
128	Transmission metering									26.1	-0.11	-0.11	-0.11	-0.11	-0.11	-0.105	-0.105	-0.105	-0.105
129	Transmission transformers									25.5	-7.83	-7.83	-7.83	-7.83	-7.83	-7.386	-7.386	-7.386	-7.386
130	Transmission reactors									27.0	-0.19	-0.19	-0.19	-0.19	-0.19	-0.188	-0.188	-0.188	-0.188
131	Transmission capacitors									23.1	-4.26	-4.26	-4.26	-4.26	-4.256	-4.256	-4.256	-4.256	-4.256
132	Transmission circuit breakers									28.2	-20.81	-20.81	-20.81	-20.81	-20.81	-20.811	-20.811	-20.811	-20.811
133	SCADA and communications									11.4	-3.83	-3.83	-3.83	-3.83	-3.83	-1.533	-	-	-
134	IT									4.2	-0.00	-	-	-	-	0.000	-	-	-
135	Other non-network assets									12.0	-2.63	-2.63	-2.63	-2.63	-2.63	-0.900	-	-	-
136	Land & Easements									-	-	-	-	-	-	-	-	-	-
137	Equity raising costs									-	-	-	-	-	-	-	-	-	-
138	Total									-62.12	-62.12	-62.12	-62.12	-62.12	-62.12	-57.64	-55.21	-55.21	-55.21

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Asset

	2	3	4	5	6	7	8	9	17	18	19	20	21	22	23	24	25	26	
4 Year Ending 30 June									2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
5 Project Year									7	8	9	10	11	12	13	14	15	16	
6 Regulatory Period										AA3					AA4				
139																			
140 Accelerated Depreciation																			
141 Transmission cables									-	-	-	-	-	-	-	-	-	-	
142 Transmission steel towers									-	-	-	-	-	-	-	-	-	-	
143 Transmission wood poles									-	-	-	-	-	-	-	-	-	-	
144 Transmission metering									-	-	-	-	-	-	-	-	-	-	
145 Transmission transformers									-	-	-	-	-	-	-	-	-	-	
146 Transmission reactors									-	-	-	-	-	-	-	-	-	-	
147 Transmission capacitors									-	-	-	-	-	-	-	-	-	-	
148 Transmission circuit breakers									-	-	-	-	-	-	-	-	-	-	
149 SCADA and communications									-	-	-	-	-	-	-	-	-	-	
150 IT									-	-	-	-	-	-	-	-	-	-	
151 Other non-network assets									-	-	-	-	-	-	-	-	-	-	
152 Land & Easements									-	-	-	-	-	-	-	-	-	-	
153 Equity raising costs									-	-	-	-	-	-	-	-	-	-	
154 Total									-	-	-	-	-	-	-	-	-	-	
155 Redundant Assets (removed from ICB)																			
156 Transmission cables									-	-	-	-	-	-	-	-	-	-	
157 Transmission steel towers									-	-	-	-	-	-	-	-	-	-	
158 Transmission wood poles									-	-	-	-	-	-	-	-	-	-	
159 Transmission metering									-	-	-	-	-	-	-	-	-	-	
160 Transmission transformers									-1.19	-3.41	-0.80	-1.05	-	-	-	-	-	-	
161 Transmission reactors									-	-	-	-	-	-	-	-	-	-	
162 Transmission capacitors									-	-	-	-	-	-	-	-	-	-	
163 Transmission circuit breakers									-	-	-	-	-	-	-	-	-	-	
164 SCADA and communications									-	-	-	-	-	-	-	-	-	-	
165 IT									-	-	-	-	-	-	-	-	-	-	
166 Other non-network assets									-0.03	-	-0.47	-1.11	-0.12	-	-	-	-	-	
167 Land & Easements									-3.21	-0.83	-8.03	-58.48	-1.33	-	-	-	-	-	
168 Equity raising costs									-	-	-	-	-	-	-	-	-	-	
169 Total									-4.42	-4.24	-9.30	-60.64	-1.45	-	-	-	-	-	
170 Closing Value																			
171 Transmission cables									12.72	12.31	11.90	11.49	11.08	10.67	10.26	9.86	9.45	9.04	
172 Transmission steel towers									390.97	379.57	368.17	356.78	345.38	333.98	322.58	311.18	299.78	288.38	
173 Transmission wood poles									148.10	137.44	126.79	116.13	105.48	94.83	84.17	73.52	62.86	52.21	
174 Transmission metering									2.01	1.90	1.80	1.69	1.59	1.48	1.38	1.27	1.17	1.06	
175 Transmission transformers									143.68	132.44	123.81	114.93	107.10	99.71	92.32	84.94	77.55	70	
176 Transmission reactors									3.76	3.57	3.38	3.19	3.00	2.82	2.63	2.44	2.25	2.07	
177 Transmission capacitors									68.52	64.26	60.00	55.75	51.49	47.24	42.98	38.73	34.47	30.21	
178 Transmission circuit breakers									441.20	420.39	399.58	378.77	357.95	337.14	316.33	295.52	274.71	253.90	
179 SCADA and communications									16.86	13.03	9.20	5.37	1.53	-	-	-	-	-	
180 IT									-0.00	-0.00	-0.00	-0.00	-0.00	-	-	-	-	-	
181 Other non-network assets									13.13	10.50	7.40	3.65	0.90	-	-	-	-	-	
182 Land & Easements									95.17	94.35	86.32	27.84	26.51	26.51	26.51	26.51	26.51	26.51	

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Transmission Asset

	2	3	4	5	6	7	8	9	17	18	19	20	21	22	23	24	25	26
4 Year Ending 30 June									2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5 Project Year									7	8	9	10	11	12	13	14	15	16
6 Regulatory Period										AA3			AA4					
183 Equity raising costs									-	-	-	-	-	-	-	-	-	-
184 Total									1,336.12	1,269.77	1,198.35	1,075.59	1,012.02	954.38	899.17	843.96	788.76	733.55
185																		
186 Capital Expenditure									2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
187 Project Year									7	8	9	10	11	12	13	14	15	16
188 Opening Value																		
189 Transmission cables									23.16	38.48	68.60	76.52	78.01	78.85	81.43	83.51	82.97	82.53
190 Transmission steel towers									423.47	426.87	440.52	437.35	431.15	424.18	419.11	413.72	406.66	399.68
191 Transmission wood poles									77.43	104.16	130.90	157.97	177.89	195.42	218.63	253.84	285.37	310.02
192 Transmission metering									-	-	-	-	-	-	-	-	-	-
193 Transmission transformers									226.57	279.55	380.57	414.00	436.70	451.02	470.44	505.63	529.86	549.62
194 Transmission reactors									12.96	19.36	31.23	37.08	40.30	42.89	45.24	49.52	52.38	54.68
195 Transmission capacitors									82.30	84.01	89.43	88.83	86.87	84.63	83.07	81.39	79.07	76.77
196 Transmission circuit breakers									289.90	307.80	344.56	353.44	361.42	364.68	370.76	385.83	396.36	404.37
197 SCADA and communications									48.08	52.68	60.75	69.75	81.11	85.33	88.31	96.73	106.16	112.59
198 IT									60.25	66.34	66.11	65.98	59.98	59.36	67.70	71.91	71.24	64.95
199 Other non-network assets									46.33	54.12	52.19	52.88	53.20	49.77	50.82	55.12	73.78	70.30
200 Land & Easements									123.63	157.60	224.56	242.59	249.90	256.06	268.54	282.79	301.55	306.41
201 Equity raising costs									-	0.55	2.43	2.72	3.34	4.43	4.33	4.24	4.15	4.05
202 Total									1,414.08	1,591.53	1,891.86	1,999.12	2,059.87	2,096.61	2,168.37	2,284.24	2,389.55	2,435.97
203 Capex (Adjusted actual owner's capex)																		
204 Transmission cables									15.771	31.083	9.617	3.556	3.300	4.128	3.720	1.157	1.283	0.897
205 Transmission steel towers									10.854	21.406	5.032	2.237	1.708	3.043	2.778	1.156	1.253	1.008
206 Transmission wood poles									28.567	29.226	30.324	23.925	22.422	28.014	40.644	37.855	31.820	32.152
207 Transmission metering									-	-	-	-	-	-	-	-	-	-
208 Transmission transformers									57.823	107.672	42.523	33.285	26.467	29.500	45.863	35.821	32.058	36.583
209 Transmission reactors									6.680	12.381	6.671	4.211	3.762	3.289	5.284	3.967	3.492	4.033
210 Transmission capacitors									3.985	7.857	2.098	0.854	0.716	1.085	0.986	0.368	0.402	0.308
211 Transmission circuit breakers									24.047	43.582	16.606	16.309	12.232	14.437	23.715	19.659	17.526	20.254
212 SCADA and communications									6.104	10.978	13.103	16.780	11.509	9.170	15.456	17.858	16.484	12.728
213 IT									10.165	6.697	9.539	5.267	12.331	14.067	15.050	12.673	9.170	6.865
214 Other non-network assets									10.799	1.886	5.287	5.474	2.265	4.889	8.805	23.493	2.213	1.839
215 Land & Easements									33.963	66.960	18.037	7.303	6.158	12.489	14.248	18.759	4.861	3.815
216 Equity raising costs									0.549	1.899	0.362	0.695	1.196	-	-	-	-	-
217 Total									209.308	341.626	159.198	119.897	104.067	124.110	176.549	172.765	120.562	120.482
218 Capex (used for depreciation calculation)																		
219 Transmission cables									15.77	31.08	9.62	3.56	3.30	4.13	3.72	1.16	1.28	0.90
220 Transmission steel towers									10.85	21.41	5.03	2.24	1.71	3.04	2.78	1.16	1.25	1.01
221 Transmission wood poles									28.57	29.23	30.32	23.92	22.42	28.01	40.64	37.85	31.82	32.15
222 Transmission metering									-	-	-	-	-	-	-	-	-	-
223 Transmission transformers									57.82	107.67	42.52	33.29	26.47	29.50	45.86	35.82	32.06	36.58
224 Transmission reactors									6.68	12.38	6.67	4.21	3.76	3.29	5.28	3.97	3.49	4.03
225 Transmission capacitors									3.99	7.86	2.10	0.85	0.72	1.09	0.99	0.37	0.40	0.31

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Transmission Asset

	2	3	4	5	6	7	8	9	17	18	19	20	21	22	23	24	25	26		
4	Year Ending 30 June																			
5	Project Year																			
6	Regulatory Period																			
									AA3				AA4							
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	7	8	9	10	11	12	13	14	15	16
226	24.05	43.58	16.61	16.31	12.23	14.44	23.72	19.66	17.53	20.25										
227	6.10	10.98	13.10	16.78	11.51	9.17	15.46	17.86	16.48	12.73										
228	10.17	6.70	9.54	5.27	12.33	14.07	15.05	12.67	9.17	6.87										
229	10.80	1.89	5.29	5.47	2.27	4.89	8.80	23.49	2.21	1.84										
230	33.96	66.96	18.04	7.30	6.16	12.49	14.25	18.76	4.86	3.82										
231	0.55	1.90	0.36	0.69	1.20	-	-	-	-	-										
232	209.31	341.63	159.20	119.90	104.07	124.11	176.55	172.77	120.56	120.48										
233	CAPEX Depreciation																			
234	-0.447	-0.963	-1.696	-2.065	-2.459	-1.557	-1.632	-1.700	-1.721	-1.744										
235	-7.453	-7.761	-8.202	-8.432	-8.677	-8.118	-8.169	-8.215	-8.234	-8.255										
236	-1.838	-2.485	-3.259	-4.003	-4.894	-4.804	-5.427	-6.330	-7.171	-7.878										
237	-	-	-	-	-	-	-	-	-	-										
238	-4.845	-6.651	-9.097	-10.585	-12.145	-10.081	-10.671	-11.588	-12.304	-12.945										
239	-0.280	-0.509	-0.815	-0.991	-1.177	-0.938	-1.004	-1.109	-1.189	-1.259										
240	-2.270	-2.444	-2.692	-2.819	-2.955	-2.639	-2.666	-2.690	-2.700	-2.710										
241	-6.141	-6.822	-7.726	-8.335	-8.968	-8.359	-8.648	-9.122	-9.516	-9.866										
242	-1.502	-2.910	-4.107	-5.417	-7.292	-6.194	-7.027	-8.432	-10.056	-11.554										
243	-4.075	-6.924	-9.668	-11.274	-12.951	-5.725	-10.838	-13.347	-15.459	-15.405										
244	-3.005	-3.813	-4.602	-5.149	-5.700	-3.840	-4.503	-4.829	-5.699	-5.781										
245	-	-	-	-	-	-	-	-	-	-										
246	-	-0.017	-0.068	-0.078	-0.109	-0.094	-0.094	-0.094	-0.094	-0.094										
247	-31.855	-41.300	-51.934	-59.148	-67.327	-52.349	-60.678	-67.457	-74.142	-77.492										
248	Redundant Asset (residual value)																			
249	-	-	-	-	-	-	-	-	-	-										
250	-	-	-	-	-	-	-	-	-	-										
251	-	-	-	-	-	-	-	-	-	-										
252	-	-	-	-	-	-	-	-	-	-										
253	-	-	-	-	-	-	-	-	-	-										
254	-	-	-	-	-	-	-	-	-	-										
255	-	-	-	-	-	-	-	-	-	-										
256	-	-	-	-	-	-	-	-	-	-										
257	-	-	-	-	-	-	-	-	-	-										
258	-	-	-	-	-	-	-	-	-	-										
259	-	-	-	-	-	-	-	-	-	-										
260	-	-	-	-	-	-	-	-	-	-										
261	-	-	-	-	-	-	-	-	-	-										
262	-	-	-	-	-	-	-	-	-	-										
263	Closing Value																			
264	38.48	68.60	76.52	78.01	78.85	81.43	83.51	82.97	82.53	81.69										
265	426.87	440.52	437.35	431.15	424.18	419.11	413.72	406.66	399.68	392.43										
266	104.16	130.90	157.97	177.89	195.42	218.63	253.84	285.37	310.02	334.29										
267	-	-	-	-	-	-	-	-	-	-										
268	279.55	380.57	414.00	436.70	451.02	470.44	505.63	529.86	549.62	573.26										
269	19.36	31.23	37.08	40.30	42.89	45.24	49.52	52.38	54.68	57.45										

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Asset

	2	3	4	5	6	7	8	9	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June																	
5	Project Year																	
6	Regulatory Period																	
									2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
									7	8	9	10	11	12	13	14	15	16
									AA3			AA4						
270	Transmission capacitors								84.01	89.43	88.83	86.87	84.63	83.07	81.39	79.07	76.77	74.37
271	Transmission circuit breakers								307.80	344.56	353.44	361.42	364.68	370.76	385.83	396.36	404.37	414.76
272	SCADA and communications								52.68	60.75	69.75	81.11	85.33	88.31	96.73	106.16	112.59	113.76
273	IT								66.34	66.11	65.98	59.98	59.36	67.70	71.91	71.24	64.95	56.41
274	Other non-network assets								54.12	52.19	52.88	53.20	49.77	50.82	55.12	73.78	70.30	66.35
275	Land & Easements								157.60	224.56	242.59	249.90	256.06	268.54	282.79	301.55	306.41	310.23
276	Equity raising costs								0.55	2.43	2.72	3.34	4.43	4.33	4.24	4.15	4.05	3.96
277	Total								1,591.53	1,891.86	1,999.12	2,059.87	2,096.61	2,168.37	2,284.24	2,389.55	2,435.97	2,478.96
278																		
279	Depreciation 1	1	Life															
280	Transmission cables	1	55.00						-0.104	-0.104	-0.104	-0.104	-0.104	-0.104	-0.104	-0.104	-0.104	-0.104
281	Transmission steel towers	1	60.00						-1.508	-1.508	-1.508	-1.508	-1.508	-1.508	-1.508	-1.508	-1.508	-1.508
282	Transmission wood poles	1	45.00						-0.363	-0.363	-0.363	-0.363	-0.363	-0.363	-0.363	-0.363	-0.363	-0.363
283	Transmission metering	1	40.00						-	-	-	-	-	-	-	-	-	-
284	Transmission transformers	1	50.00						-1.229	-1.229	-1.229	-1.229	-1.229	-1.229	-1.229	-1.229	-1.229	-1.229
285	Transmission reactors	1	50.00						-0.094	-0.094	-0.094	-0.094	-0.094	-0.094	-0.094	-0.094	-0.094	-0.094
286	Transmission capacitors	1	40.00						-0.773	-0.773	-0.773	-0.773	-0.773	-0.773	-0.773	-0.773	-0.773	-0.773
287	Transmission circuit breakers	1	50.00						-1.268	-1.268	-1.268	-1.268	-1.268	-1.268	-1.268	-1.268	-1.268	-1.268
288	SCADA and communications	1	34.15						-0.229	-0.229	-0.229	-0.229	-0.229	-0.229	-0.229	-0.229	-0.229	-0.229
289	IT	1	16.85						-0.426	-0.426	-0.426	-0.426	-0.426	-0.426	-0.426	-0.426	-0.426	-0.426
290	Other non-network assets	1	16.85						-0.083	-0.083	-0.083	-0.083	-0.083	-0.083	-0.083	-0.083	-0.083	-0.083
291	Land & Easements	1	-						-	-	-	-	-	-	-	-	-	-
292	Equity raising costs	1	-						-	-	-	-	-	-	-	-	-	-
293	Total								-6.077	-6.077	-6.077	-6.077	-6.077	-6.077	-6.077	-6.077	-6.077	-6.077
294	Depreciation 2	2																
295	Transmission cables	2	55.00						-0.088	-0.088	-0.088	-0.088	-0.088	-0.088	-0.088	-0.088	-0.088	-0.088
296	Transmission steel towers	2	60.00						-2.152	-2.152	-2.152	-2.152	-2.152	-2.152	-2.152	-2.152	-2.152	-2.152
297	Transmission wood poles	2	45.00						-0.340	-0.340	-0.340	-0.340	-0.340	-0.340	-0.340	-0.340	-0.340	-0.340
298	Transmission metering	2	40.00						-	-	-	-	-	-	-	-	-	-
299	Transmission transformers	2	50.00						-1.084	-1.084	-1.084	-1.084	-1.084	-1.084	-1.084	-1.084	-1.084	-1.084
300	Transmission reactors	2	50.00						-0.070	-0.070	-0.070	-0.070	-0.070	-0.070	-0.070	-0.070	-0.070	-0.070
301	Transmission capacitors	2	40.00						-0.570	-0.570	-0.570	-0.570	-0.570	-0.570	-0.570	-0.570	-0.570	-0.570
302	Transmission circuit breakers	2	50.00						-1.046	-1.046	-1.046	-1.046	-1.046	-1.046	-1.046	-1.046	-1.046	-1.046
303	SCADA and communications	2	34.15						-0.160	-0.160	-0.160	-0.160	-0.160	-0.160	-0.160	-0.160	-0.160	-0.160
304	IT	2	16.85						-0.746	-0.746	-0.746	-0.746	-0.746	-0.746	-0.746	-0.746	-0.746	-0.746
305	Other non-network assets	2	16.85						-0.124	-0.124	-0.124	-0.124	-0.124	-0.124	-0.124	-0.124	-0.124	-0.124
306	Land & Easements	2	-						-	-	-	-	-	-	-	-	-	-
307	Equity raising costs	2	-						-	-	-	-	-	-	-	-	-	-
308	Total								-6.379	-6.379	-6.379	-6.379	-6.379	-6.379	-6.379	-6.379	-6.379	-6.379
309	Depreciation 3	3																
310	Transmission cables	3	55.00						-0.103	-0.103	-0.103	-0.103	-0.103	-0.103	-0.103	-0.103	-0.103	-0.103
311	Transmission steel towers	3	60.00						-1.724	-1.724	-1.724	-1.724	-1.724	-1.724	-1.724	-1.724	-1.724	-1.724
312	Transmission wood poles	3	45.00						-0.413	-0.413	-0.413	-0.413	-0.413	-0.413	-0.413	-0.413	-0.413	-0.413
313	Transmission metering	3	40.00						-	-	-	-	-	-	-	-	-	-

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Asset

	2	3	4	5	6	7	8	9	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June																	
5	Project Year																	
6	Regulatory Period																	
									2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
									7	8	9	10	11	12	13	14	15	16
									AA3					AA4				
314	Transmission transformers	3	50.00						-1.146	-1.146	-1.146	-1.146	-1.146	-1.146	-1.146	-1.146	-1.146	-1.146
315	Transmission reactors	3	50.00						-0.077	-0.077	-0.077	-0.077	-0.077	-0.077	-0.077	-0.077	-0.077	-0.077
316	Transmission capacitors	3	40.00						-0.616	-0.616	-0.616	-0.616	-0.616	-0.616	-0.616	-0.616	-0.616	-0.616
317	Transmission circuit breakers	3	50.00						-1.403	-1.403	-1.403	-1.403	-1.403	-1.403	-1.403	-1.403	-1.403	-1.403
318	SCADA and communications	3	34.15						-0.184	-0.184	-0.184	-0.184	-0.184	-0.184	-0.184	-0.184	-0.184	-0.184
319	IT	3	16.85						-0.429	-0.429	-0.429	-0.429	-0.429	-0.429	-0.429	-0.429	-0.429	-0.429
320	Other non-network assets	3	16.85						-0.510	-0.510	-0.510	-0.510	-0.510	-0.510	-0.510	-0.510	-0.510	-0.510
321	Land & Easements	3	-						-	-	-	-	-	-	-	-	-	-
322	Equity raising costs	3	-						-	-	-	-	-	-	-	-	-	-
323	Total								-6.608	-6.608	-6.608	-6.608	-6.608	-6.608	-6.608	-6.608	-6.608	-6.608
324	Depreciation 4	4																
325	Transmission cables	4	55.00						-0.092	-0.092	-0.092	-0.092	-0.092	-0.092	-0.092	-0.092	-0.092	-0.092
326	Transmission steel towers	4	60.00						-0.898	-0.898	-0.898	-0.898	-0.898	-0.898	-0.898	-0.898	-0.898	-0.898
327	Transmission wood poles	4	45.00						-0.317	-0.317	-0.317	-0.317	-0.317	-0.317	-0.317	-0.317	-0.317	-0.317
328	Transmission metering	4	40.00						-	-	-	-	-	-	-	-	-	-
329	Transmission transformers	4	50.00						-0.714	-0.714	-0.714	-0.714	-0.714	-0.714	-0.714	-0.714	-0.714	-0.714
330	Transmission reactors	4	50.00						-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023	-0.023
331	Transmission capacitors	4	40.00						-0.241	-0.241	-0.241	-0.241	-0.241	-0.241	-0.241	-0.241	-0.241	-0.241
332	Transmission circuit breakers	4	50.00						-0.754	-0.754	-0.754	-0.754	-0.754	-0.754	-0.754	-0.754	-0.754	-0.754
333	SCADA and communications	4	34.15						-0.339	-0.339	-0.339	-0.339	-0.339	-0.339	-0.339	-0.339	-0.339	-0.339
334	IT	4	16.85						-0.558	-0.558	-0.558	-0.558	-0.558	-0.619	-0.619	-0.619	-0.619	-0.619
335	Other non-network assets	4	16.85						-0.521	-0.521	-0.521	-0.521	-0.521	-0.521	-0.521	-0.521	-0.521	-0.521
336	Land & Easements	4	-						-	-	-	-	-	-	-	-	-	-
337	Equity raising costs	4	-						-	-	-	-	-	-	-	-	-	-
338	Total								-4.457	-4.457	-4.457	-4.457	-4.457	-4.518	-4.518	-4.518	-4.518	-4.518
339	Depreciation 5	5																
340	Transmission cables	5	55.00						-0.040	-0.040	-0.040	-0.040	-0.040	-0.040	-0.040	-0.040	-0.040	-0.040
341	Transmission steel towers	5	60.00						-0.580	-0.580	-0.580	-0.580	-0.580	-0.580	-0.580	-0.580	-0.580	-0.580
342	Transmission wood poles	5	45.00						-0.207	-0.207	-0.207	-0.207	-0.207	-0.207	-0.207	-0.207	-0.207	-0.207
343	Transmission metering	5	40.00						-	-	-	-	-	-	-	-	-	-
344	Transmission transformers	5	50.00						-0.338	-0.338	-0.338	-0.338	-0.338	-0.338	-0.338	-0.338	-0.338	-0.338
345	Transmission reactors	5	50.00						-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
346	Transmission capacitors	5	40.00						-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033
347	Transmission circuit breakers	5	50.00						-0.916	-0.916	-0.916	-0.916	-0.916	-0.916	-0.916	-0.916	-0.916	-0.916
348	SCADA and communications	5	34.15						-0.184	-0.184	-0.184	-0.184	-0.184	-0.184	-0.184	-0.184	-0.184	-0.184
349	IT	5	16.85						-0.885	-0.885	-0.885	-0.885	-0.885	-0.885	-0.885	-0.885	-0.885	-0.885
350	Other non-network assets	5	16.85						-0.832	-0.832	-0.832	-0.832	-0.832	-0.832	-0.832	-0.832	-0.832	-0.832
351	Land & Easements	5	-						-	-	-	-	-	-	-	-	-	-
352	Equity raising costs	5	-						-	-	-	-	-	-	-	-	-	-
353	Total								-4.024	-4.024	-4.024	-4.024	-4.024	-4.024	-4.024	-4.024	-4.024	-4.024
354	Depreciation 6	6																
355	Transmission cables	6	55.00						-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
356	Transmission steel towers	6	60.00						-0.591	-0.591	-0.591	-0.591	-0.591	-0.591	-0.591	-0.591	-0.591	-0.591
357	Transmission wood poles	6	45.00						-0.198	-0.198	-0.198	-0.198	-0.198	-0.198	-0.198	-0.198	-0.198	-0.198

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Transmission Asset

	2	3	4	5	6	7	8	9	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June																	
5	Project Year																	
6	Regulatory Period																	
									2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
									7	8	9	10	11	12	13	14	15	16
									AA3				AA4					
358	Transmission metering	6	40.00						-	-	-	-	-	-	-	-	-	-
359	Transmission transformers	6	50.00						-0.333	-0.333	-0.333	-0.333	-0.333	-0.333	-0.333	-0.333	-0.333	-0.333
360	Transmission reactors	6	50.00						-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
361	Transmission capacitors	6	40.00						-0.037	-0.037	-0.037	-0.037	-0.037	-0.037	-0.037	-0.037	-0.037	-0.037
362	Transmission circuit breakers	6	50.00						-0.753	-0.753	-0.753	-0.753	-0.753	-0.753	-0.753	-0.753	-0.753	-0.753
363	SCADA and communications	6	34.15						-0.406	-0.406	-0.406	-0.406	-0.406	-0.406	-0.406	-0.406	-0.406	-0.406
364	IT	6	16.85						-1.030	-1.030	-1.030	-1.030	-1.030	-1.033	-1.033	-1.033	-1.033	-1.033
365	Other non-network assets	6	16.85						-0.935	-0.935	-0.935	-0.935	-0.935	-0.935	-0.935	-0.935	-0.935	-0.935
366	Land & Easements	6	-						-	-	-	-	-	-	-	-	-	-
367	Equity raising costs	6	-						-	-	-	-	-	-	-	-	-	-
368	Total								-4.310	-4.310	-4.310	-4.310	-4.310	-4.313	-4.313	-4.313	-4.313	-4.313
369	Depreciation 7	7																
370	Transmission cables	7	55.00						-	-0.516	-0.516	-0.516	-0.516	-0.269	-0.269	-0.269	-0.269	-0.269
371	Transmission steel towers	7	60.00						-	-0.309	-0.309	-0.309	-0.309	-0.172	-0.172	-0.172	-0.172	-0.172
372	Transmission wood poles	7	45.00						-	-0.648	-0.648	-0.648	-0.648	-0.634	-0.634	-0.634	-0.634	-0.634
373	Transmission metering	7	40.00						-	-	-	-	-	-	-	-	-	-
374	Transmission transformers	7	50.00						-	-1.806	-1.806	-1.806	-1.806	-1.100	-1.100	-1.100	-1.100	-1.100
375	Transmission reactors	7	50.00						-	-0.229	-0.229	-0.229	-0.229	-0.125	-0.125	-0.125	-0.125	-0.125
376	Transmission capacitors	7	40.00						-	-0.174	-0.174	-0.174	-0.174	-0.091	-0.091	-0.091	-0.091	-0.091
377	Transmission circuit breakers	7	50.00						-	-0.680	-0.680	-0.680	-0.680	-0.464	-0.464	-0.464	-0.464	-0.464
378	SCADA and communications	7	11.00						-	-1.409	-1.409	-1.409	-1.409	-0.067	-0.067	-0.067	-0.067	-0.067
379	IT	7	6.00						-	-2.850	-2.850	-2.850	-2.850	1.234	-	-	-	-
380	Other non-network assets	7	16.85						-	-0.807	-0.807	-0.807	-0.807	-0.589	-0.589	-0.589	-0.589	-0.589
381	Land & Easements	7	-						-	-	-	-	-	-	-	-	-	-
382	Equity raising costs	7	49.00						-	-0.017	-0.017	-0.017	-0.017	-0.011	-0.011	-0.011	-0.011	-0.011
383	Total								-	-9.446	-9.446	-9.446	-9.446	-2.287	-3.521	-3.521	-3.521	-3.521
384	Depreciation 8	8																
385	Transmission cables	8	55.00						-	-	-0.733	-0.733	-0.733	-0.555	-0.555	-0.555	-0.555	-0.555
386	Transmission steel towers	8	60.00						-	-	-0.441	-0.441	-0.441	-0.352	-0.352	-0.352	-0.352	-0.352
387	Transmission wood poles	8	45.00						-	-	-0.774	-0.774	-0.774	-0.641	-0.641	-0.641	-0.641	-0.641
388	Transmission metering	8	40.00						-	-	-	-	-	-	-	-	-	-
389	Transmission transformers	8	50.00						-	-	-2.445	-2.445	-2.445	-2.135	-2.135	-2.135	-2.135	-2.135
390	Transmission reactors	8	50.00						-	-	-0.307	-0.307	-0.307	-0.244	-0.244	-0.244	-0.244	-0.244
391	Transmission capacitors	8	40.00						-	-	-0.248	-0.248	-0.248	-0.192	-0.192	-0.192	-0.192	-0.192
392	Transmission circuit breakers	8	50.00						-	-	-0.905	-0.905	-0.905	-0.870	-0.870	-0.870	-0.870	-0.870
393	SCADA and communications	8	11.00						-	-	-1.197	-1.197	-1.197	-0.923	-0.923	-0.923	-0.923	-0.923
394	IT	8	6.00						-	-	-2.744	-2.744	-2.744	1.535	-	-	-	-
395	Other non-network assets	8	16.85						-	-	-0.789	-0.789	-0.789	0.482	-	-	-	-
396	Land & Easements	8	-						-	-	-	-	-	-	-	-	-	-
397	Equity raising costs	8	49.00						-	-	-0.051	-0.051	-0.051	-0.038	-0.038	-0.038	-0.038	-0.038
398	Total								-	-	-10.633	-10.633	-10.633	-3.934	-5.950	-5.950	-5.950	-5.950
399	Depreciation 9	9																
400	Transmission cables	9	55.00						-	-	-	-0.369	-0.369	-0.168	-0.168	-0.168	-0.168	-0.168
401	Transmission steel towers	9	60.00						-	-	-	-0.230	-0.230	-0.079	-0.079	-0.079	-0.079	-0.079

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Transmission Asset

	2	3	4	5	6	7	8	9	17	18	19	20	21	22	23	24	25	26		
4	Year Ending 30 June																			
5	Project Year																			
6	Regulatory Period																			
									2013	2014	2015	2016	2017	2018	2019	2020	2021	2022		
									7	8	9	10	11	12	13	14	15	16		
									AA3						AA4					
402	Transmission wood poles	9	45.00						-	-	-	-0.744	-0.744	-0.671	-0.671	-0.671	-0.671	-0.671		
403	Transmission metering	9	40.00						-	-	-	-	-	-	-	-	-	-		
404	Transmission transformers	9	50.00						-	-	-	-1.488	-1.488	-0.824	-0.824	-0.824	-0.824	-0.824		
405	Transmission reactors	9	50.00						-	-	-	-0.176	-0.176	-0.132	-0.132	-0.132	-0.132	-0.132		
406	Transmission capacitors	9	40.00						-	-	-	-0.127	-0.127	-0.049	-0.049	-0.049	-0.049	-0.049		
407	Transmission circuit breakers	9	50.00						-	-	-	-0.609	-0.609	-0.321	-0.321	-0.321	-0.321	-0.321		
408	SCADA and communications	9	11.00						-	-	-	-1.310	-1.310	-1.165	-1.165	-1.165	-1.165	-1.165		
409	IT	9	6.00						-	-	-	-1.605	-1.605	-1.582	-1.582	-1.582	-1.582	-		
410	Other non-network assets	9	16.85						-	-	-	-0.547	-0.547	-0.282	-0.282	-0.282	-0.282	-0.282		
411	Land & Easements	9	-						-	-	-	-	-	-	-	-	-	-		
412	Equity raising costs	9	49.00						-	-	-	-0.009	-0.009	-0.007	-0.007	-0.007	-0.007	-0.007		
413	Total								-	-	-	-7.215	-7.215	-5.278	-5.278	-5.278	-5.278	-3.696		
414	Depreciation 10		10																	
415	Transmission cables	10	55.00						-	-	-	-	-0.394	-0.059	-0.059	-0.059	-0.059	-0.059		
416	Transmission steel towers	10	60.00						-	-	-	-	-0.245	-0.034	-0.034	-0.034	-0.034	-0.034		
417	Transmission wood poles	10	45.00						-	-	-	-	-0.891	-0.523	-0.523	-0.523	-0.523	-0.523		
418	Transmission metering	10	40.00						-	-	-	-	-	-	-	-	-	-		
419	Transmission transformers	10	50.00						-	-	-	-	-1.560	-0.647	-0.647	-0.647	-0.647	-0.647		
420	Transmission reactors	10	50.00						-	-	-	-	-0.185	-0.082	-0.082	-0.082	-0.082	-0.082		
421	Transmission capacitors	10	40.00						-	-	-	-	-0.136	-0.018	-0.018	-0.018	-0.018	-0.018		
422	Transmission circuit breakers	10	50.00						-	-	-	-	-0.633	-0.320	-0.320	-0.320	-0.320	-0.320		
423	SCADA and communications	10	11.00						-	-	-	-	-1.875	-1.491	-1.491	-1.491	-1.491	-1.491		
424	IT	10	6.00						-	-	-	-	-1.677	-0.718	-0.718	-0.718	-0.718	-0.718		
425	Other non-network assets	10	16.85						-	-	-	-	-0.552	-0.311	-0.311	-0.311	-0.311	-0.311		
426	Land & Easements	10	-						-	-	-	-	-	-	-	-	-	-		
427	Equity raising costs	10	49.00						-	-	-	-	-0.032	-0.014	-0.014	-0.014	-0.014	-0.014		
428	Total								-	-	-	-	-8.179	-4.217	-4.217	-4.217	-4.217	-4.217		
429	Depreciation 11		11																	
430	Transmission cables	11	55.00											-0.060	-0.060	-0.060	-0.060	-0.060		
431	Transmission steel towers	11	60.00											-0.028	-0.028	-0.028	-0.028	-0.028		
432	Transmission wood poles	11	45.00											-0.498	-0.498	-0.498	-0.498	-0.498		
433	Transmission metering	11	40.00											-	-	-	-	-		
434	Transmission transformers	11	50.00											-0.529	-0.529	-0.529	-0.529	-0.529		
435	Transmission reactors	11	50.00											-0.075	-0.075	-0.075	-0.075	-0.075		
436	Transmission capacitors	11	40.00											-0.018	-0.018	-0.018	-0.018	-0.018		
437	Transmission circuit breakers	11	50.00											-0.245	-0.245	-0.245	-0.245	-0.245		
438	SCADA and communications	11	11.00											-1.046	-1.046	-1.046	-1.046	-1.046		
439	IT	11	6.00											-2.055	-2.055	-2.055	-2.055	-2.055		
440	Other non-network assets	11	16.85											-0.134	-0.134	-0.134	-0.134	-0.134		
441	Land & Easements	11	-											-	-	-	-	-		
442	Equity raising costs	11	49.00											-0.024	-0.024	-0.024	-0.024	-0.024		
443	Total													-4.714	-4.714	-4.714	-4.714	-4.714		
444	Depreciation 12		12																	
445	Transmission cables	12	55.00											-	-0.075	-0.075	-0.075	-0.075		

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Asset

	2	3	4	5	6	7	8	9	17	18	19	20	21	22	23	24	25	26		
4	Year Ending 30 June																			
5	Project Year																			
6	Regulatory Period																			
										AA3			AA4							
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	7	8	9	10	11	12	13	14	15	16
446	Transmission steel towers	12	60.00								-	-0.051	-0.051	-0.051	-0.051	-0.051	-0.051	-0.051	-0.051	-0.051
447	Transmission wood poles	12	45.00								-	-0.623	-0.623	-0.623	-0.623	-0.623	-0.623	-0.623	-0.623	-0.623
448	Transmission metering	12	40.00								-	-	-	-	-	-	-	-	-	-
449	Transmission transformers	12	50.00								-	-0.590	-0.590	-0.590	-0.590	-0.590	-0.590	-0.590	-0.590	-0.590
450	Transmission reactors	12	50.00								-	-0.066	-0.066	-0.066	-0.066	-0.066	-0.066	-0.066	-0.066	-0.066
451	Transmission capacitors	12	40.00								-	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027	-0.027
452	Transmission circuit breakers	12	50.00								-	-0.289	-0.289	-0.289	-0.289	-0.289	-0.289	-0.289	-0.289	-0.289
453	SCADA and communications	12	11.00								-	-0.834	-0.834	-0.834	-0.834	-0.834	-0.834	-0.834	-0.834	-0.834
454	IT	12	6.00								-	-2.345	-2.345	-2.345	-2.345	-2.345	-2.345	-2.345	-2.345	-2.345
455	Other non-network assets	12	27.00								-	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181	-0.181
456	Land & Easements	12	-								-	-	-	-	-	-	-	-	-	-
457	Equity raising costs	12	49.00								-	-	-	-	-	-	-	-	-	-
458	Total										-	-5.079	-5.079	-5.079	-5.079	-5.079	-5.079	-5.079	-5.079	-5.079
459	Depreciation 13	13																		
460	Transmission cables	13	55.00								-	-	-0.068	-0.068	-0.068	-0.068	-0.068	-0.068	-0.068	-0.068
461	Transmission steel towers	13	60.00								-	-	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046	-0.046
462	Transmission wood poles	13	45.00								-	-	-0.903	-0.903	-0.903	-0.903	-0.903	-0.903	-0.903	-0.903
463	Transmission metering	13	40.00								-	-	-	-	-	-	-	-	-	-
464	Transmission transformers	13	50.00								-	-	-0.917	-0.917	-0.917	-0.917	-0.917	-0.917	-0.917	-0.917
465	Transmission reactors	13	50.00								-	-	-0.106	-0.106	-0.106	-0.106	-0.106	-0.106	-0.106	-0.106
466	Transmission capacitors	13	40.00								-	-	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025	-0.025
467	Transmission circuit breakers	13	50.00								-	-	-0.474	-0.474	-0.474	-0.474	-0.474	-0.474	-0.474	-0.474
468	SCADA and communications	13	11.00								-	-	-1.405	-1.405	-1.405	-1.405	-1.405	-1.405	-1.405	-1.405
469	IT	13	6.00								-	-	-2.508	-2.508	-2.508	-2.508	-2.508	-2.508	-2.508	-2.508
470	Other non-network assets	13	27.00								-	-	-0.326	-0.326	-0.326	-0.326	-0.326	-0.326	-0.326	-0.326
471	Land & Easements	13	-								-	-	-	-	-	-	-	-	-	-
472	Equity raising costs	13	49.00								-	-	-	-	-	-	-	-	-	-
473	Total										-	-	-6.779	-6.779	-6.779	-6.779	-6.779	-6.779	-6.779	-6.779
474	Depreciation 14	14																		
475	Transmission cables	14	55.00								-	-	-	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021	-0.021
476	Transmission steel towers	14	60.00								-	-	-	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019	-0.019
477	Transmission wood poles	14	45.00								-	-	-	-0.841	-0.841	-0.841	-0.841	-0.841	-0.841	-0.841
478	Transmission metering	14	40.00								-	-	-	-	-	-	-	-	-	-
479	Transmission transformers	14	50.00								-	-	-	-0.716	-0.716	-0.716	-0.716	-0.716	-0.716	-0.716
480	Transmission reactors	14	50.00								-	-	-	-0.079	-0.079	-0.079	-0.079	-0.079	-0.079	-0.079
481	Transmission capacitors	14	40.00								-	-	-	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
482	Transmission circuit breakers	14	50.00								-	-	-	-0.393	-0.393	-0.393	-0.393	-0.393	-0.393	-0.393
483	SCADA and communications	14	11.00								-	-	-	-1.623	-1.623	-1.623	-1.623	-1.623	-1.623	-1.623
484	IT	14	6.00								-	-	-	-2.112	-2.112	-2.112	-2.112	-2.112	-2.112	-2.112
485	Other non-network assets	14	27.00								-	-	-	-0.870	-0.870	-0.870	-0.870	-0.870	-0.870	-0.870
486	Land & Easements	14	-								-	-	-	-	-	-	-	-	-	-
487	Equity raising costs	14	49.00								-	-	-	-	-	-	-	-	-	-
488	Total										-	-	-	-6.685	-6.685	-6.685	-6.685	-6.685	-6.685	-6.685
489	Depreciation 15	15																		

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Asset

	2	3	4	5	6	7	8	9	17	18	19	20	21	22	23	24	25	26	
4	Year Ending 30 June																		
5	Project Year																		
6	Regulatory Period																		
										AA3				AA4					
490	Transmission cables				15	55.00													-0.023
491	Transmission steel towers				15	60.00													-0.021
492	Transmission wood poles				15	45.00													-0.707
493	Transmission metering				15	40.00													-
494	Transmission transformers				15	50.00													-0.641
495	Transmission reactors				15	50.00													-0.070
496	Transmission capacitors				15	40.00													-0.010
497	Transmission circuit breakers				15	50.00													-0.351
498	SCADA and communications				15	11.00													-1.499
499	IT				15	6.00													-1.528
500	Other non-network assets				15	27.00													-0.082
501	Land & Easements				15	-													-
502	Equity raising costs				15	49.00													-
503	Total																		-4.932

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Tax Asset

	2	3	4	5	6	7	8	17	18	19	20	21	22	23	24	25	26
4 Year Ending 30 June								2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5 Project Year								7	8	9	10	11	12	13	14	15	16
6 Regulatory Period								AA3					AA4				
7 Distribution TAB Summary																	
8 Opening Asset Value								2,043.26	2,167.34	2,405.92	2,458.76	2,415.55	2,415.80	2,437.77	2,510.76	2,574.71	2,577.27
9 Capex								194.37	326.81	154.60	117.62	104.07	126.39	183.11	182.48	129.68	131.98
10 Depreciation								-65.05	-80.92	-91.49	-99.22	-102.25	-104.42	-110.12	-118.52	-127.12	-128.11
11 Accelerated Depreciation								-	-	-	-	-	-	-	-	-	-
12 Redundant Asset								-5.24	-7.32	-10.27	-61.62	-1.57	-	-	-	-	-
13 Closing Asset Value								2,167.34	2,405.92	2,458.76	2,415.55	2,415.80	2,437.77	2,510.76	2,574.71	2,577.27	2,581.14
14																	
15 Distribution TAB by asset categories																	
16 Opening Value																	
17 Transmission cables								1,328.90	1,291.64	1,254.34	1,217.36	1,180.48	1,143.62	1,106.77	1,069.91	1,033.06	996.21
18 Transmission steel towers								58.79	58.50	57.22	55.95	54.68	53.40	52.12	50.84	49.56	48.28
19 Transmission wood poles								9.14	9.10	8.90	8.70	8.50	8.30	8.11	7.91	7.71	7.51
20 Transmission metering								-	-	-	-	-	-	-	-	-	-
21 Transmission transformers								165.50	161.04	153.80	149.06	144.08	140.10	136.13	132.15	128.18	124.20
22 Transmission reactors								1.93	1.92	1.87	1.82	1.77	1.72	1.67	1.62	1.57	1.52
23 Transmission capacitors								12.79	12.70	12.37	12.04	11.71	11.38	11.05	10.72	10.39	10.06
24 Transmission circuit breakers								23.56	23.41	22.80	22.19	21.58	20.98	20.37	19.76	19.15	18.54
25 SCADA and communications								72.73	66.45	59.18	52.59	46.34	40.23	34.13	28.02	21.92	15.82
26 IT								18.77	17.47	12.61	7.82	3.04	-	-	-	-	-
27 Other non-network assets								151.00	134.92	124.41	115.17	105.48	96.92	88.49	80.05	71.62	63.18
28 Land & Easements								2,043.26	1,974.30	1,903.87	1,831.28	1,708.87	1,646.55	1,588.71	1,530.88	1,473.04	1,415.21
29 Equity raising costs								-	-	-	-	-	-	-	-	-	-
30 Total								3,886.37	3,751.43	3,611.36	3,473.99	3,286.53	3,163.21	3,047.54	2,931.87	2,816.20	2,700.52
31 Capex (Actual AA1, AA2, AA3 & Forecast AA4)																	
32 Transmission cables								14.65	29.73	9.34	3.49	3.30	4.20	3.86	1.22	1.38	0.98
33 Transmission steel towers								10.08	20.48	4.89	2.19	1.71	3.10	2.88	1.22	1.35	1.10
34 Transmission wood poles								26.53	27.96	29.45	23.47	22.42	28.53	42.15	39.98	34.23	35.22
35 Transmission metering								-	-	-	-	-	-	-	-	-	-
36 Transmission transformers								53.70	103.00	41.29	32.65	26.47	30.04	47.57	37.83	34.48	40.08
37 Transmission reactors								6.20	11.84	6.48	4.13	3.76	3.35	5.48	4.19	3.76	4.42
38 Transmission capacitors								3.70	7.52	2.04	0.84	0.72	1.11	1.02	0.39	0.43	0.34
39 Transmission circuit breakers								22.33	41.69	16.13	16.00	12.23	14.70	24.60	20.76	18.85	22.19
40 SCADA and communications								5.67	10.50	12.72	16.46	11.51	9.34	16.03	18.86	17.73	13.94
41 IT								9.44	6.41	9.26	5.17	12.33	14.33	15.61	13.39	9.86	7.52
42 Other non-network assets								10.03	1.80	5.13	5.37	2.27	4.98	9.13	24.81	2.38	2.01
43 Land & Easements								31.54	64.06	17.52	7.16	6.16	12.72	14.78	19.81	5.23	4.18
44 Equity raising costs								0.51	1.82	0.35	0.68	1.20	-	-	-	-	-
45 Total								194.37	326.81	154.60	117.62	104.07	126.39	183.11	182.48	129.68	131.98
46 Depreciation																	
47 Transmission cables								-37.26	-37.92	-38.82	-39.04	-39.07	-39.11	-39.20	-39.26	-39.21	-39.17
48 Transmission steel towers								-0.28	-1.70	-2.54	-2.69	-2.73	-2.74	-2.81	-2.87	-2.85	-2.84
49 Transmission wood poles								-0.04	-1.32	-2.45	-3.59	-4.44	-5.20	-6.19	-7.72	-9.08	-10.15
50 Transmission metering								-	-	-	-	-	-	-	-	-	-

ERA Western Power AA4 Revenue Model, February 2019 [Post FD]

Transmission Tax Asset

	2	3	4	5	6	7	8	17	18	19	20	21	22	23	24	25	26
4 Year Ending 30 June								2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5 Project Year								7	8	9	10	11	12	13	14	15	16
6 Regulatory Period								AA3					AA4				
51 Transmission transformers								-3.35	-6.66	-11.66	-13.33	-14.52	-15.31	-16.25	-18.01	-19.20	-20.17
52 Transmission reactors								-0.01	-0.36	-0.94	-1.22	-1.36	-1.49	-1.58	-1.78	-1.90	-2.00
53 Transmission capacitors								-0.09	-0.52	-0.88	-0.95	-0.97	-0.97	-0.99	-1.01	-1.00	-0.99
54 Transmission circuit breakers								-0.15	-1.73	-3.75	-4.40	-5.01	-5.40	-5.90	-6.87	-7.59	-8.18
55 SCADA and communications								-6.29	-8.17	-9.03	-10.34	-12.17	-13.04	-13.43	-14.82	-16.44	-17.63
56 IT								-1.30	-9.58	-10.35	-12.19	-9.92	-9.42	-12.05	-13.57	-13.93	-12.02
57 Other non-network assets								-16.06	-12.11	-10.42	-10.79	-11.14	-11.07	-11.44	-12.42	-15.76	-14.97
58 Land & Easements								-	-	-	-	-	-	-	-	-	-
59 Equity raising costs								-0.20	-0.85	-0.65	-0.66	-0.92	-0.65	-0.28	-0.19	-0.15	-
60 Total								-65.05	-80.92	-91.49	-99.22	-102.25	-104.42	-110.12	-118.52	-127.12	-128.11
61 Accelerated Depreciation																	
62 Transmission cables								-	-	-	-	-	-	-	-	-	-
63 Transmission steel towers								-	-	-	-	-	-	-	-	-	-
64 Transmission wood poles								-	-	-	-	-	-	-	-	-	-
65 Transmission metering								-	-	-	-	-	-	-	-	-	-
66 Transmission transformers								-	-	-	-	-	-	-	-	-	-
67 Transmission reactors								-	-	-	-	-	-	-	-	-	-
68 Transmission capacitors								-	-	-	-	-	-	-	-	-	-
69 Transmission circuit breakers								-	-	-	-	-	-	-	-	-	-
70 SCADA and communications								-	-	-	-	-	-	-	-	-	-
71 IT								-	-	-	-	-	-	-	-	-	-
72 Other non-network assets								-	-	-	-	-	-	-	-	-	-
73 Land & Easements								-	-	-	-	-	-	-	-	-	-
74 Equity raising costs								-	-	-	-	-	-	-	-	-	-
75 Total								-	-	-	-	-	-	-	-	-	-
76 Redundant Assets																	
77 Transmission cables								-	-	-	-	-	-	-	-	-	-
78 Transmission steel towers								-	-	-	-	-	-	-	-	-	-
79 Transmission wood poles								-	-	-	-	-	-	-	-	-	-
80 Transmission metering								-	-	-	-	-	-	-	-	-	-
81 Transmission transformers								-1.11	-3.26	-0.78	-1.03	-	-	-	-	-	-
82 Transmission reactors								-	-	-	-	-	-	-	-	-	-
83 Transmission capacitors								-	-	-	-	-	-	-	-	-	-
84 Transmission circuit breakers								-	-	-	-	-	-	-	-	-	-
85 SCADA and communications								-	-	-	-	-	-	-	-	-	-
86 IT								-	-	-	-	-	-	-	-	-	-
87 Other non-network assets								-0.02	-	-0.46	-1.09	-0.12	-	-	-	-	-
88 Land & Easements								-4.11	-4.05	-9.03	-59.49	-1.45	-	-	-	-	-
89 Equity raising costs								-	-	-	-	-	-	-	-	-	-
90 Total								-5.24	-7.32	-10.27	-61.62	-1.57	-	-	-	-	-
91 Closing Value																	
92 Transmission cables								1,291.64	1,254.34	1,217.36	1,180.48	1,143.62	1,106.77	1,069.91	1,033.06	996.21	959.35
93 Transmission steel towers								58.50	57.22	55.95	54.68	53.40	52.12	50.84	49.56	48.28	47.00
94 Transmission wood poles								9.10	8.90	8.70	8.50	8.30	8.11	7.91	7.71	7.51	7.31

ERA Western Power AA4 Revenue Model, February 2019 [Post FD]

Transmission Tax Asset

	2	3	4	5	6	7	8	17	18	19	20	21	22	23	24	25	26
4 Year Ending 30 June	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022							
5 Project Year	7	8	9	10	11	12	13	14	15	16							
6 Regulatory Period	AA3						AA4										
95 Transmission metering	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
96 Transmission transformers	161.04	153.80	149.06	144.08	140.10	136.13	132.15	128.18	124.20	120.23							
97 Transmission reactors	1.92	1.87	1.82	1.77	1.72	1.67	1.62	1.57	1.52	1.47							
98 Transmission capacitors	12.70	12.37	12.04	11.71	11.38	11.05	10.72	10.39	10.06	9.73							
99 Transmission circuit breakers	23.41	22.80	22.19	21.58	20.98	20.37	19.76	19.15	18.54	17.93							
100 SCADA and communications	66.45	59.18	52.59	46.34	40.23	34.13	28.02	21.92	15.82	9.71							
101 IT	17.47	12.61	7.82	3.04	-	-	-	-	-	-							
102 Other non-network assets	134.92	124.41	115.17	105.48	96.92	88.49	80.05	71.62	63.18	54.75							
103 Land & Easements	197.17	196.38	188.58	131.21	129.89	129.89	129.89	129.89	129.89	129.89							
104 Equity raising costs	-	-	-	-	-	-	-	-	-	-							
105 Total	1,974.30	1,903.87	1,831.28	1,708.87	1,646.55	1,588.71	1,530.88	1,473.04	1,415.21	1,357.37							
106																	
107 Initial Capital Base (ICB) (\$M Nominal)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022							
108 Opening Value																	
109 Transmission cables	1,328.90	1,291.64	1,254.34	1,217.36	1,180.48	1,143.62	1,106.77	1,069.91	1,033.06	996.21							
110 Transmission steel towers	58.79	58.50	57.22	55.95	54.68	53.40	52.12	50.84	49.56	48.28							
111 Transmission wood poles	9.14	9.10	8.90	8.70	8.50	8.30	8.11	7.91	7.71	7.51							
112 Transmission metering	-	-	-	-	-	-	-	-	-	-							
113 Transmission transformers	165.50	161.04	153.80	149.06	144.08	140.10	136.13	132.15	128.18	124.20							
114 Transmission reactors	1.93	1.92	1.87	1.82	1.77	1.72	1.67	1.62	1.57	1.52							
115 Transmission capacitors	12.79	12.70	12.37	12.04	11.71	11.38	11.05	10.72	10.39	10.06							
116 Transmission circuit breakers	23.56	23.41	22.80	22.19	21.58	20.98	20.37	19.76	19.15	18.54							
117 SCADA and communications	72.73	66.45	59.18	52.59	46.34	40.23	34.13	28.02	21.92	15.82							
118 IT	18.77	17.47	12.61	7.82	3.04	-	-	-	-	-							
119 Other non-network assets	151.00	134.92	124.41	115.17	105.48	96.92	88.49	80.05	71.62	63.18							
120 Land & Easements	200.15	197.17	196.38	188.58	131.21	129.89	129.89	129.89	129.89	129.89							
121 Equity raising costs	-	-	-	-	-	-	-	-	-	-							
122 Total	2,043.260	1,974.302	1,903.869	1,831.285	1,708.870	1,646.546	1,588.711	1,530.876	1,473.040	1,415.205							
123 Depreciation																	
124 Transmission cables	-37.26	-37.30	-36.98	-36.88	-36.85	-36.85	-36.85	-36.85	-36.85	-36.85							
125 Transmission steel towers	-0.28	-1.28	-1.27	-1.27	-1.28	-1.28	-1.28	-1.28	-1.28	-1.28							
126 Transmission wood poles	-0.04	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20							
127 Transmission metering	-	-	-	-	-	-	-	-	-	-							
128 Transmission transformers	-3.35	-3.98	-3.96	-3.95	-3.97	-3.97	-3.97	-3.97	-3.97	-3.97							
129 Transmission reactors	-0.01	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05							
130 Transmission capacitors	-0.09	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33							
131 Transmission circuit breakers	-0.15	-0.61	-0.61	-0.61	-0.61	-0.61	-0.61	-0.61	-0.61	-0.61							
132 SCADA and communications	-6.29	-7.27	-6.59	-6.26	-6.10	-6.10	-6.10	-6.10	-6.10	-6.10							
133 IT	-1.30	-4.86	-4.79	-4.78	-3.04	-	-	-	-	-							
134 Other non-network assets	-16.06	-10.51	-8.78	-8.60	-8.44	-8.44	-8.44	-8.44	-8.44	-8.44							
135 Land & Easements	-	-	-	-	-	-	-	-	-	-							
136 Equity raising costs	-	-	-	-	-	-	-	-	-	-							
137 Total	-64.85	-66.38	-63.55	-62.92	-60.88	-57.84	-57.84	-57.84	-57.84	-57.84							
138 Accelerated Depreciation																	

ERA Western Power AA4 Revenue Model, February 2019 [Post FD]

Transmission Tax Asset

	2	3	4	5	6	7	8	17	18	19	20	21	22	23	24	25	26
4 Year Ending 30 June								2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5 Project Year								7	8	9	10	11	12	13	14	15	16
6 Regulatory Period								AA3					AA4				
139	Transmission cables	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
140	Transmission steel towers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
141	Transmission wood poles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
142	Transmission metering	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
143	Transmission transformers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
144	Transmission reactors	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
145	Transmission capacitors	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
146	Transmission circuit breakers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
147	SCADA and communications	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
148	IT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
149	Other non-network assets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150	Land & Easements	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
151	Equity raising costs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
152	Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
153	Redundant Assets																
154	Transmission cables	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
155	Transmission steel towers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
156	Transmission wood poles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
157	Transmission metering	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
158	Transmission transformers	-1.11	-3.26	-0.78	-1.03	-	-	-	-	-	-	-	-	-	-	-	-
159	Transmission reactors	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
160	Transmission capacitors	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
161	Transmission circuit breakers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
162	SCADA and communications	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
163	IT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
164	Other non-network assets	-0.02	-	-0.46	-1.09	-0.12	-	-	-	-	-	-	-	-	-	-	-
165	Land & Easements	-2.98	-0.79	-7.79	-57.37	-1.33	-	-	-	-	-	-	-	-	-	-	-
166	Equity raising costs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
167	Total	-4.11	-4.05	-9.03	-59.49	-1.45	-	-	-	-	-	-	-	-	-	-	-
168	Closing Value																
169	Transmission cables	1,291.64	1,254.34	1,217.36	1,180.48	1,143.62	1,106.77	1,069.91	1,033.06	996.21	959.35						
170	Transmission steel towers	58.50	57.22	55.95	54.68	53.40	52.12	50.84	49.56	48.28	47.00						
171	Transmission wood poles	9.10	8.90	8.70	8.50	8.30	8.11	7.91	7.71	7.51	7.31						
172	Transmission metering	-	-	-	-	-	-	-	-	-	-						
173	Transmission transformers	161.04	153.80	149.06	144.08	140.10	136.13	132.15	128.18	124.20	120						
174	Transmission reactors	1.92	1.87	1.82	1.77	1.72	1.67	1.62	1.57	1.52	1.47						
175	Transmission capacitors	12.70	12.37	12.04	11.71	11.38	11.05	10.72	10.39	10.06	9.73						
176	Transmission circuit breakers	23.41	22.80	22.19	21.58	20.98	20.37	19.76	19.15	18.54	17.93						
177	SCADA and communications	66.45	59.18	52.59	46.34	40.23	34.13	28.02	21.92	15.82	9.71						
178	IT	17.47	12.61	7.82	3.04	-	-	-	-	-	-						
179	Other non-network assets	134.92	124.41	115.17	105.48	96.92	88.49	80.05	71.62	63.18	54.75						
180	Land & Easements	197.17	196.38	188.58	131.21	129.89	129.89	129.89	129.89	129.89	129.89						
181	Equity raising costs	-	-	-	-	-	-	-	-	-	-						
182	Total	1,974.30	1,903.87	1,831.28	1,708.87	1,646.55	1,588.71	1,530.88	1,473.04	1,415.21	1,357.37						

ERA Western Power AA4 Revenue Model, February 2019 [Post FD]

Transmission Tax Asset

	2	3	4	5	6	7	8	17	18	19	20	21	22	23	24	25	26
4 Year Ending 30 June								2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5 Project Year								7	8	9	10	11	12	13	14	15	16
6 Regulatory Period								AA3					AA4				
183																	
184 Capital Expenditure								2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
185 Project Year								7	8	9	10	11	12	13	14	15	16
186 Opening Value																	
187 Transmission cables	-	14.65	43.76	51.26	52.59	53.68	55.62	57.14	55.95	54.98							
188 Transmission steel towers	-	10.08	30.13	33.75	34.52	34.78	36.41	37.76	37.39	37.17							
189 Transmission wood poles	-	26.53	53.37	80.57	100.65	118.83	142.36	178.52	210.98	236.33							
190 Transmission metering	-	-	-	-	-	-	-	-	-	-							
191 Transmission transformers	-	53.70	154.02	187.61	210.88	226.80	245.51	280.80	304.59	323.85							
192 Transmission reactors	-	6.20	17.74	23.33	26.29	28.74	30.65	34.60	37.06	38.96							
193 Transmission capacitors	-	3.70	11.03	12.52	12.73	12.81	13.27	13.63	13.34	13.10							
194 Transmission circuit breakers	-	22.33	62.91	75.89	88.09	95.92	105.83	125.13	139.64	151.51							
195 SCADA and communications	-	5.67	15.26	25.55	37.92	43.36	45.76	54.47	64.62	72.01							
196 IT	-	9.44	11.13	14.83	12.58	18.03	22.94	26.50	26.31	22.25							
197 Other non-network assets	-	10.03	10.23	13.73	16.90	16.46	18.81	24.93	45.75	40.81							
198 Land & Easements	-	31.54	95.60	113.11	120.28	126.43	139.15	153.93	173.74	178.97							
199 Equity raising costs	-	0.31	1.27	0.98	0.99	1.27	0.62	0.35	0.15	0.00							
200 Total	-	194.17	506.44	633.11	714.43	777.12	856.94	987.75	1,109.54	1,169.94							
201 Capex (i.e. Owner's Capex - Cash Contribution)																	
202 Transmission cables	14.65	29.73	9.34	3.49	3.30	4.20	3.86	1.22	1.38	0.98							
203 Transmission steel towers	10.08	20.48	4.89	2.19	1.71	3.10	2.88	1.22	1.35	1.10							
204 Transmission wood poles	26.53	27.96	29.45	23.47	22.42	28.53	42.15	39.98	34.23	35.22							
205 Transmission metering	-	-	-	-	-	-	-	-	-	-							
206 Transmission transformers	53.70	103.00	41.29	32.65	26.47	30.04	47.57	37.83	34.48	40.08							
207 Transmission reactors	6.20	11.84	6.48	4.13	3.76	3.35	5.48	4.19	3.76	4.42							
208 Transmission capacitors	3.70	7.52	2.04	0.84	0.72	1.11	1.02	0.39	0.43	0.34							
209 Transmission circuit breakers	22.33	41.69	16.13	16.00	12.23	14.70	24.60	20.76	18.85	22.19							
210 SCADA and communications	5.67	10.50	12.72	16.46	11.51	9.34	16.03	18.86	17.73	13.94							
211 IT	9.44	6.41	9.26	5.17	12.33	14.33	15.61	13.39	9.86	7.52							
212 Other non-network assets	10.03	1.80	5.13	5.37	2.27	4.98	9.13	24.81	2.38	2.01							
213 Land & Easements	31.54	64.06	17.52	7.16	6.16	12.72	14.78	19.81	5.23	4.18							
214 Equity raising costs	0.510	1.82	0.35	0.68	1.20	-	-	-	-	-							
215 Total	194.371	326.813	154.596	117.622	104.067	126.394	183.106	182.478	129.683	131.982							
216 CAPEX Depreciation																	
217 Transmission cables	-	-0.617	-1.843	-2.158	-2.214	-2.260	-2.342	-2.406	-2.356	-2.315							
218 Transmission steel towers	-	-0.424	-1.269	-1.421	-1.454	-1.464	-1.533	-1.590	-1.574	-1.565							
219 Transmission wood poles	-	-1.117	-2.247	-3.392	-4.238	-5.003	-5.994	-7.517	-8.884	-9.951							
220 Transmission metering	-	-	-	-	-	-	-	-	-	-							
221 Transmission transformers	-	-2.685	-7.701	-9.380	-10.544	-11.340	-12.275	-14.040	-15.230	-16.192							
222 Transmission reactors	-	-0.310	-0.887	-1.166	-1.315	-1.437	-1.533	-1.730	-1.853	-1.948							
223 Transmission capacitors	-	-0.185	-0.552	-0.626	-0.636	-0.640	-0.664	-0.682	-0.667	-0.655							
224 Transmission circuit breakers	-	-1.117	-3.145	-3.794	-4.405	-4.796	-5.291	-6.257	-6.982	-7.575							
225 SCADA and communications	-	-0.907	-2.442	-4.087	-6.067	-6.938	-7.322	-8.715	-10.339	-11.522							
226 IT	-	-4.720	-5.564	-7.413	-6.880	-9.416	-12.049	-13.573	-13.927	-12.020							

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Tax Asset

	2	3	4	5	6	7	8	17	18	19	20	21	22	23	24	25	26
4 Year Ending 30 June								2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5 Project Year								7	8	9	10	11	12	13	14	15	16
6 Regulatory Period								AA3			AA4						
227 Other non-network assets								-	-1.605	-1.636	-2.196	-2.704	-2.634	-3.009	-3.989	-7.321	-6.530
228 Land & Easements								-	-	-	-	-	-	-	-	-	-
229 Equity raising costs								-0.204	-0.849	-0.650	-0.663	-0.916	-0.651	-0.277	-0.192	-0.155	-
230 Total								-0.204	-14.535	-27.935	-36.298	-40.894	-46.580	-52.289	-60.689	-69.287	-70.273
231 Depreciation 7		7															
232 Transmission cables		7	47.50					-	-0.617	-0.591	-0.566	-0.542	-0.51917	-0.497	-0.476	-0.456	-0.437
233 Transmission steel towers		7	47.50					-	-0.424	-0.407	-0.389	-0.373	-0.357	-0.342	-0.328	-0.314	-0.301
234 Transmission wood poles		7	47.50					-	-1.117	-1.070	-1.025	-0.982	-0.940	-0.901	-0.863	-0.827	-0.792
235 Transmission metering		7	25.00					-	-	-	-	-	-	-	-	-	-
236 Transmission transformers		7	40.00					-	-2.685	-2.551	-2.423	-2.302	-2.187	-2.077	-1.974	-1.875	-1.781
237 Transmission reactors		7	40.00					-	-0.310	-0.295	-0.280	-0.266	-0.253	-0.240	-0.228	-0.217	-0.206
238 Transmission capacitors		7	40.00					-	-0.185	-0.176	-0.167	-0.159	-0.151	-0.143	-0.136	-0.129	-0.123
239 Transmission circuit breakers		7	40.00					-	-1.117	-1.061	-1.008	-0.957	-0.909	-0.864	-0.821	-0.780	-0.741
240 SCADA and communications		7	12.50					-	-0.907	-0.762	-0.640	-0.538	-0.452	-0.379	-0.319	-0.268	-0.225
241 IT		7	4.00					-	-4.720	-2.360	-1.180	-1.180	-	-	-	-	-
242 Other non-network assets		7	12.50					-	-1.605	-1.348	-1.132	-0.951	-0.799	-0.671	-0.564	-0.473	-0.398
243 Land & Easements		7	-					-	-	-	-	-	-	-	-	-	-
244 Equity raising costs		7	5.00					-0.204	-0.122	-0.073	-0.044	-0.066	-	-	-	-	-
245 Total								-0.204	-13.808	-10.692	-8.854	-8.315	-6.567	-6.115	-5.708	-5.338	-5.003
246 Depreciation 8		8															
247 Transmission cables		8	47.50					-	-	-1.252	-1.199	-1.149	-1.100	-1.054	-1.010	-0.967	-0.926
248 Transmission steel towers		8	47.50					-	-	-0.862	-0.826	-0.791	-0.758	-0.726	-0.695	-0.666	-0.638
249 Transmission wood poles		8	47.50					-	-	-1.177	-1.128	-1.080	-1.035	-0.991	-0.949	-0.909	-0.871
250 Transmission metering		8	25.00					-	-	-	-	-	-	-	-	-	-
251 Transmission transformers		8	40.00					-	-	-5.150	-4.893	-4.648	-4.416	-4.195	-3.985	-3.786	-3.597
252 Transmission reactors		8	40.00					-	-	-0.592	-0.563	-0.534	-0.508	-0.482	-0.458	-0.435	-0.414
253 Transmission capacitors		8	40.00					-	-	-0.376	-0.357	-0.339	-0.322	-0.306	-0.291	-0.276	-0.262
254 Transmission circuit breakers		8	40.00					-	-	-2.085	-1.980	-1.881	-1.787	-1.698	-1.613	-1.532	-1.456
255 SCADA and communications		8	12.50					-	-	-1.680	-1.411	-1.186	-0.996	-0.837	-0.703	-0.590	-0.496
256 IT		8	4.00					-	-	-3.204	-1.602	-0.801	-0.801	-	-	-	-
257 Other non-network assets		8	12.50					-	-	-0.289	-0.242	-0.204	-0.171	-0.144	-0.121	-0.101	-0.085
258 Land & Easements		8	-					-	-	-	-	-	-	-	-	-	-
259 Equity raising costs		8	5.00					-	-0.727	-0.436	-0.262	-0.157	-0.235	-	-	-	-
260 Total								-	-0.727	-17.103	-14.463	-12.770	-12.129	-10.433	-9.825	-9.264	-8.745
261 Depreciation 9		9															
262 Transmission cables		9	47.50					-	-	-	-0.393	-0.377	-0.361	-0.346	-0.331	-0.317	-0.304
263 Transmission steel towers		9	47.50					-	-	-	-0.206	-0.197	-0.189	-0.181	-0.173	-0.166	-0.159
264 Transmission wood poles		9	47.50					-	-	-	-1.240	-1.188	-1.138	-1.090	-1.044	-1.000	-0.958
265 Transmission metering		9	25.00					-	-	-	-	-	-	-	-	-	-
266 Transmission transformers		9	40.00					-	-	-	-2.065	-1.961	-1.863	-1.770	-1.682	-1.598	-1.518
267 Transmission reactors		9	40.00					-	-	-	-0.324	-0.308	-0.292	-0.278	-0.264	-0.251	-0.238
268 Transmission capacitors		9	40.00					-	-	-	-0.102	-0.097	-0.092	-0.087	-0.083	-0.079	-0.075
269 Transmission circuit breakers		9	40.00					-	-	-	-0.806	-0.766	-0.728	-0.691	-0.657	-0.624	-0.593
270 SCADA and communications		9	12.50					-	-	-	-2.036	-1.710	-1.436	-1.207	-1.014	-0.851	-0.715

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Tax Asset

	2	3	4	5	6	7	8	17	18	19	20	21	22	23	24	25	26
4 Year Ending 30 June								2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5 Project Year								7	8	9	10	11	12	13	14	15	16
6 Regulatory Period								AA3					AA4				
271 IT					9	4.00		-	-	-	-4.632	-2.316	-1.158	-1.158	-	-	-
272 Other non-network assets					9	12.50		-	-	-	-0.821	-0.690	-0.580	-0.487	-0.409	-0.344	-0.289
273 Land & Easements					9	-		-	-	-	-	-	-	-	-	-	-
274 Equity raising costs					9	5.00					-0.141	-0.084	-0.051	-0.030	-0.046	-	-
275 Total								-	-	-0.141	-12.709	-9.660	-7.867	-7.340	-5.656	-5.229	-4.848
276 Depreciation 10					10												
277 Transmission cables					10	47.50		-	-	-	-	-0.147	-0.141	-0.135	-0.129	-0.124	-0.118
278 Transmission steel towers					10	47.50		-	-	-	-	-0.092	-0.089	-0.085	-0.081	-0.078	-0.075
279 Transmission wood poles					10	47.50		-	-	-	-	-0.988	-0.947	-0.907	-0.869	-0.832	-0.797
280 Transmission metering					10	25.00		-	-	-	-	-	-	-	-	-	-
281 Transmission transformers					10	40.00		-	-	-	-	-1.633	-1.551	-1.474	-1.400	-1.330	-1.263
282 Transmission reactors					10	40.00		-	-	-	-	-0.207	-0.196	-0.186	-0.177	-0.168	-0.160
283 Transmission capacitors					10	40.00		-	-	-	-	-0.042	-0.040	-0.038	-0.036	-0.034	-0.032
284 Transmission circuit breakers					10	40.00		-	-	-	-	-0.800	-0.760	-0.722	-0.686	-0.652	-0.619
285 SCADA and communications					10	12.50		-	-	-	-	-2.634	-2.212	-1.858	-1.561	-1.311	-1.102
286 IT					10	4.00		-	-	-	-	-2.584	-1.292	-0.646	-0.646	-	-
287 Other non-network assets					10	12.50		-	-	-	-	-0.859	-0.722	-0.606	-0.509	-0.428	-0.359
288 Land & Easements					10	-		-	-	-	-	-	-	-	-	-	-
289 Equity raising costs					10	5.00					-0.273	-0.164	-0.098	-0.059	-0.088	-	-
290 Total								-	-	-	-0.273	-10.149	-8.047	-6.716	-6.182	-4.956	-4.525
291 Depreciation 11					11												
292 Transmission cables					11	47.50							-0.139	-0.133	-0.127	-0.122	-0.117
293 Transmission steel towers					11	47.50							-0.072	-0.069	-0.066	-0.063	-0.061
294 Transmission wood poles					11	47.50							-0.944	-0.904	-0.866	-0.830	-0.795
295 Transmission metering					11	25.00							-	-	-	-	-
296 Transmission transformers					11	40.00							-1.323	-1.257	-1.194	-1.135	-1.078
297 Transmission reactors					11	40.00							-0.188	-0.179	-0.170	-0.161	-0.153
298 Transmission capacitors					11	40.00							-0.036	-0.034	-0.032	-0.031	-0.029
299 Transmission circuit breakers					11	40.00							-0.612	-0.581	-0.552	-0.524	-0.498
300 SCADA and communications					11	12.50							-1.841	-1.547	-1.299	-1.091	-0.917
301 IT					11	4.00							-6.166	-3.083	-1.541	-1.541	-
302 Other non-network assets					11	12.50							-0.362	-0.304	-0.256	-0.215	-0.180
303 Land & Easements					11	-							-	-	-	-	-
304 Equity raising costs					11	5.00							-0.478	-0.287	-0.172	-0.103	-0.155
305 Total													-11.970	-8.263	-6.208	-5.869	-3.828
306 Depreciation 12					12												
307 Transmission cables					12	47.50							-	-0.177	-0.170	-0.162	-0.156
308 Transmission steel towers					12	47.50							-	-0.130	-0.125	-0.120	-0.115
309 Transmission wood poles					12	47.50							-	-1.201	-1.151	-1.102	-1.056
310 Transmission metering					12	25.00							-	-	-	-	-
311 Transmission transformers					12	40.00							-	-1.502	-1.427	-1.356	-1.288
312 Transmission reactors					12	40.00							-	-0.167	-0.159	-0.151	-0.144
313 Transmission capacitors					12	40.00							-	-0.055	-0.053	-0.050	-0.047
314 Transmission circuit breakers					12	40.00							-	-0.735	-0.698	-0.663	-0.630

ERA Western Power AA4 Revenue Model, February 2019 [Post FD]

Transmission Tax Asset

	2	3	4	5	6	7	8	17	18	19	20	21	22	23	24	25	26
4	Year Ending 30 June																
5	Project Year																
6	Regulatory Period																
								2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
								7	8	9	10	11	12	13	14	15	16
								AA3					AA4				
315	SCADA and communications				12	12.50							-	-1.494	-1.255	-1.054	-0.886
316	IT				12	4.00							-	-7.163	-3.581	-1.791	-1.791
317	Other non-network assets				12	12.50							-	-0.797	-0.669	-0.562	-0.472
318	Land & Easements				12	-							-	-	-	-	-
319	Equity raising costs				12	5.00							-	-	-	-	-
320	Total												-	-13.423	-9.288	-7.012	-6.584
321	Depreciation 13				13												
322	Transmission cables				13	47.50							-	-	-0.162	-0.156	-0.149
323	Transmission steel towers				13	47.50							-	-	-0.121	-0.116	-0.111
324	Transmission wood poles				13	47.50							-	-	-1.775	-1.700	-1.629
325	Transmission metering				13	25.00							-	-	-	-	-
326	Transmission transformers				13	40.00							-	-	-2.378	-2.259	-2.146
327	Transmission reactors				13	40.00							-	-	-0.274	-0.260	-0.247
328	Transmission capacitors				13	40.00							-	-	-0.051	-0.049	-0.046
329	Transmission circuit breakers				13	40.00							-	-	-1.230	-1.168	-1.110
330	SCADA and communications				13	12.50							-	-	-2.565	-2.154	-1.810
331	IT				13	4.00							-	-	-7.805	-3.902	-1.951
332	Other non-network assets				13	12.50							-	-	-1.461	-1.227	-1.031
333	Land & Easements				13	-							-	-	-	-	-
334	Equity raising costs				13	5.00							-	-	-	-	-
335	Total												-	-	-17.822	-12.993	-10.230
336	Depreciation 14				14												
337	Transmission cables				14	47.50							-	-	-	-0.051	-0.049
338	Transmission steel towers				14	47.50							-	-	-	-0.051	-0.049
339	Transmission wood poles				14	47.50							-	-	-	-1.684	-1.613
340	Transmission metering				14	25.00							-	-	-	-	-
341	Transmission transformers				14	40.00							-	-	-	-1.892	-1.797
342	Transmission reactors				14	40.00							-	-	-	-0.210	-0.199
343	Transmission capacitors				14	40.00							-	-	-	-0.019	-0.018
344	Transmission circuit breakers				14	40.00							-	-	-	-1.038	-0.986
345	SCADA and communications				14	12.50							-	-	-	-3.018	-2.535
346	IT				14	4.00							-	-	-	-6.693	-3.346
347	Other non-network assets				14	12.50							-	-	-	-3.970	-3.335
348	Land & Easements				14	-							-	-	-	-	-
349	Equity raising costs				14	5.00							-	-	-	-	-
350	Total												-	-	-	-18.626	-13.928
351	Depreciation 15				15												
352	Transmission cables				15	47.50							-	-	-	-	-0.058
353	Transmission steel towers				15	47.50							-	-	-	-	-0.057
354	Transmission wood poles				15	47.50							-	-	-	-	-1.441
355	Transmission metering				15	25.00							-	-	-	-	-
356	Transmission transformers				15	40.00							-	-	-	-	-1.724
357	Transmission reactors				15	40.00							-	-	-	-	-0.188
358	Transmission capacitors				15	40.00							-	-	-	-	-0.022

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Tax Asset

	2	3	4	5	6	7	8	17	18	19	20	21	22	23	24	25	26
4 Year Ending 30 June								2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
5 Project Year								7	8	9	10	11	12	13	14	15	16
6 Regulatory Period								AA3					AA4				
359	Transmission circuit breakers				15	40.00							-	-	-	-	-0.943
360	SCADA and communications				15	12.50							-	-	-	-	-2.837
361	IT				15	4.00							-	-	-	-	-4.932
362	Other non-network assets				15	12.50							-	-	-	-	-0.381
363	Land & Easements				15	-							-	-	-	-	-
364	Equity raising costs				15	5.00											-
365	Total												-	-	-	-	-12.582
366	Depreciation 16				16												
367	Transmission cables				16	47.50							-	-	-	-	-
368	Transmission steel towers				16	47.50							-	-	-	-	-
369	Transmission wood poles				16	47.50							-	-	-	-	-
370	Transmission metering				16	25.00							-	-	-	-	-
371	Transmission transformers				16	40.00							-	-	-	-	-
372	Transmission reactors				16	40.00							-	-	-	-	-
373	Transmission capacitors				16	40.00							-	-	-	-	-
374	Transmission circuit breakers				16	40.00							-	-	-	-	-
375	SCADA and communications				16	12.50							-	-	-	-	-
376	IT				16	4.00							-	-	-	-	-
377	Other non-network assets				16	12.50							-	-	-	-	-
378	Land & Easements				16	-							-	-	-	-	-
379	Equity raising costs				16	5.00											-
380	Total												-	-	-	-	-
381	Closing Value																
382	Transmission cables						14.65	43.76	51.26	52.59	53.68	55.62	57.14	55.95	54.98	53.64	
383	Transmission steel towers						10.08	30.13	33.75	34.52	34.78	36.41	37.76	37.39	37.17	36.70	
384	Transmission wood poles						26.53	53.37	80.57	100.65	118.83	142.36	178.52	210.98	236.33	261.60	
385	Transmission metering						-	-	-	-	-	-	-	-	-	-	
386	Transmission transformers						53.70	154.02	187.61	210.88	226.80	245.51	280.80	304.59	323.85	347.73	
387	Transmission reactors						6.20	17.74	23.33	26.29	28.74	30.65	34.60	37.06	38.96	41.43	
388	Transmission capacitors						3.70	11.03	12.52	12.73	12.81	13.27	13.63	13.34	13.10	12.79	
389	Transmission circuit breakers						22.33	62.91	75.89	88.09	95.92	105.83	125.13	139.64	151.51	166.12	
390	SCADA and communications						5.67	15.26	25.55	37.92	43.36	45.76	54.47	64.62	72.01	74.43	
391	IT						9.44	11.13	14.83	12.58	18.03	22.94	26.50	26.31	22.25	17.75	
392	Other non-network assets						10.03	10.23	13.73	16.90	16.46	18.81	24.93	45.75	40.81	36.30	
393	Land & Easements						31.54	95.60	113.11	120.28	126.43	139.15	153.93	173.74	178.97	183.15	
394	Equity raising costs						0.31	1.27	0.98	0.99	1.27	0.62	0.35	0.15	0.00	0.00	
395	Total						194.17	506.44	633.11	714.43	777.12	856.94	987.75	1,109.54	1,169.94	1,231.65	

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Distribution Adjustment

	2	3	7	8	9	10	11	12	13	14	15 #	17	18	19	20	21				
4 Investment Adjustment Mechanism (IAM)						AA3 Approved					AA3 Actual									
5 Year Ending 30 June (Real \$ M 30/06/2017)						2013	2014	2015	2016	2017						2013	2014	2015	2016	2017
6 Distribution Capex Subject to IAM (Exclude Gifted Asset and Cash Contribution)																				
7 Growth																				
8 Capacity Expansion			62.70	67.61	75.08	75.49	84.18			52.19	41.10	26.93	25.93	35.49						
9 Customer Driven			142.71	142.20	144.12	143.40	146.41			121.88	93.48	88.59	60.28	46.21						
10 Gifted Assets			-	-	-	-	-			-	-	-	-	-						
11 Asset replacement and renewal																				
12 Asset Replacement			-	-	-	-	-			-	-	-	-	-						
13 State Undergrounding Power Program (SUPP)			10.01	4.84	-	-	-			16.55	9.33	5.97	4.76	5.04						
14 Metering			-	-	-	-	-			-	-	-	-	-						
15 Smartgrid			-	-	-	-	-			-	-	-	-	-						
16 Wood Pole Management			181.43	207.69	219.53	231.34	245.08			233.52	295.26	230.71	177.15	76.20						
17 Improvement in service																				
18 Reliability Driven			-	-	-	-	-			-	-	-	-	-						
19 Rural Power Improvement Program (RPIP)			-	-	-	-	-			-	-	-	-	-						
20 SCADA & Communications			-	-	-	-	-			-	-	-	-	-						
21 Compliance																				
22 Safety, Environmental & Statutory			-	-	-	-	-			-	-	-	-	-						
23 Corporate																				
24 IT			-	-	-	-	-			-	-	-	-	-						
25 Business Support			-	-	-	-	-			-	-	-	-	-						
26 Equity Raising Costs			-	-	-	-	-			-	-	-	-	-						
27 Total			396.85	422.34	438.74	450.24	475.67			424.14	439.18	352.20	268.11	162.95						
28																				
29 Distribution Capex Subject to IAM by Asset class (Exclude Gifted Asset and Cash Contribution)						AA3 Approved					AA3 Actual									
30 Wooden Pole Lines			228.46	256.81	272.21	284.11	302.18			273.19	326.13	254.47	196.77	98.33						
31 Underground Cables			66.09	64.62	64.97	64.95	69.11			60.98	45.07	36.15	28.03	28.53						
32 Transformers			75.58	74.48	74.81	74.50	76.58			66.33	50.16	45.98	32.01	26.02						
33 Switchgear			25.39	25.23	25.64	25.57	26.67			22.31	16.89	14.80	10.73	9.58						
34 Street lighting			1.32	1.20	1.10	1.10	1.13			1.33	0.94	0.80	0.57	0.49						
35 Meters and Services			-	-	-	-	-			-	-	-	-	-						
36 IT			-	-	-	-	-			-	-	-	-	-						
37 SCADA & Communications			-	-	-	-	-			-	-	-	-	-						
38 Other Distribution Non-Network			-	-	-	-	-			-	-	-	-	-						
39 Distribution Land & Easements			-	-	-	-	-			-	-	-	-	-						
40 Equity Raising Costs			-	-	-	-	-			-	-	-	-	-						
41 Total			396.85	422.34	438.74	450.24	475.67			424.14	439.18	352.20	268.11	162.95						
42																				
43 Distribution Capex NOT Subject to IAM																				
44 Growth						AA3 Approved					AA3 Actual									
45 Capacity Expansion			-	-	-	-	-			-	-	-	-	-						
46 Customer Driven			-	-	-	-	-			-	-	-	-	-						
47 Gifted Assets			-	-	-	-	-			-	-	-	-	-						
48 Asset replacement and renewal																				
49 Asset Replacement			46.42	41.12	38.72	40.35	40.48			52.53	47.18	97.01	139.50	114.89						
50 State Undergrounding Power Program (SUPP)			-	-	-	-	-			-	-	-	-	-						

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Distribution Adjustment

	2	3	7	8	9	10	11	12	13	14	15 #	17	18	19	20	21
4 Investment Adjustment Mechanism (IAM)						AA3 Approved					AA3 Actual					
5 Year Ending 30 June (Real \$ M 30/06/2017)	2013	2014	2015	2016	2017							2013	2014	2015	2016	2017
51 Metering	14.86	49.10	48.67	44.30	17.78							11.74	8.87	12.92	23.50	21.37
52 Smartgrid	2.73	26.49	29.32	22.26	17.20							0.84	0.57	1.37	-	-
53 Wood Pole Management	-	-	-	-	-							-	-	-	-	-
54 Improvement in service	-	-	-	-	-							-	-	-	-	-
55 Reliability Driven	0.66	0.66	0.67	0.68	0.69							1.82	0.10	0.19	0.50	2.18
56 Rural Power Improvement Program (RPIP)	-	-	-	-	-							-	-	-	-	-
57 SCADA & Communications	5.68	6.98	7.72	4.29	7.68							3.31	2.63	3.24	3.77	5.06
58 Compliance	-	-	-	-	-							-	-	-	-	-
59 Safety, Environmental & Statutory	124.52	124.35	124.76	93.46	100.81							138.43	151.97	118.58	36.69	14.78
60 Corporate	-	-	-	-	-							-	-	-	-	-
61 IT	28.32	27.29	15.97	16.69	16.94							20.16	13.62	21.12	12.64	30.95
62 Business Support	22.54	22.04	15.27	15.43	12.72							19.67	2.63	10.73	11.99	5.25
63 Equity Raising Costs	5.53	4.74	3.80	1.59	-							5.91	4.68	3.63	1.36	-
64 Total	251.25	302.76	284.90	239.06	214.31							254.41	232.26	266.05	229.94	194.48
65																
66 Distribution Capex NOT Subject to IAM by Asset class						AA3 Approved					AA3 Actual					
67 Wooden Pole Lines	51.99	51.93	52.10	39.07	42.13							58.09	63.28	49.40	15.40	6.71
68 Underground Cables	12.05	11.08	10.65	10.14	10.36							14.09	12.64	20.93	26.73	22.45
69 Transformers	58.56	55.77	54.65	46.80	48.91							65.63	66.54	83.01	82.24	63.54
70 Switchgear	45.48	44.03	43.50	35.64	37.62							51.04	52.84	57.22	46.85	34.87
71 Street lighting	3.52	3.33	3.25	2.83	2.95							3.94	3.96	5.21	5.48	4.28
72 Meters and Services	16.63	66.31	67.73	58.77	28.96							12.29	9.24	12.04	23.50	21.37
73 IT	28.32	27.29	15.97	16.69	16.94							20.16	13.62	21.12	12.64	30.95
74 SCADA & Communications	6.64	16.25	17.98	12.09	13.70							3.60	2.83	2.76	3.77	5.06
75 Other Distribution Non-Network	22.54	22.04	15.27	15.43	12.72							19.67	2.63	10.73	11.99	5.25
76 Distribution Land & Easements	-	-	-	-	-							-	-	-	-	-
77 Equity Raising Costs	5.53	4.74	3.80	1.59	-							5.91	4.68	3.63	1.36	-
78 Total	251.25	302.76	284.90	239.06	214.31							254.41	232.26	266.05	229.94	194.48
79																
80 Total	648.10	725.10	723.64	689.30	689.98							678.55	671.44	618.25	498.05	357.43
81 Check this is the Net Capex rolled into Rab	648.10	725.10	723.64	689.30	689.98							678.55	671.44	618.25	498.05	357.43
82	OK	OK	OK	OK	OK							OK	OK	OK	OK	OK
83																
84 Investment Adjustment Mechanism (IAM)						AA3 Approved					AA3 Actual					
85 Year Ending 30 June (Real \$ M 30/06/2017)	2013	2014	2015	2016	2017							2013	2014	2015	2016	2017
86 Opening Balance																
87 Wooden Pole Lines	-	228.46	479.70	740.07	1,005.71							-	273.19	593.74	836.38	1,014.67
88 Underground Cables	-	66.09	129.61	192.40	254.10							-	60.98	104.95	138.92	163.69
89 Transformers	-	75.58	147.90	218.42	286.49							-	66.33	114.34	156.03	181.61
90 Switchgear	-	25.39	49.90	74.09	97.49							-	22.31	38.47	51.82	60.37
91 Street lighting	-	1.32	2.46	3.43	4.35							-	1.33	2.20	2.87	3.26
92 Meters and Services	-	-	-	-	-							-	-	-	-	-
93 IT	-	-	-	-	-							-	-	-	-	-
94 SCADA & Communications	-	-	-	-	-							-	-	-	-	-
95 Other Distribution Non-Network	-	-	-	-	-							-	-	-	-	-

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Distribution Adjustment

	2	3	7	8	9	10	11	12	13	14	15 #	17	18	19	20	21																									
4	Investment Adjustment Mechanism (IAM)											AA3 Approved					AA3 Actual																								
5	Year Ending 30 June (Real \$ M 30/06/2017)											2013					2014					2015					2016					2017									
96	Distribution Land & Easements											-					-					-					-					-									
97	Total											-					396.85					809.56					1,228.42					1,648.14									
98																																									
99	Capital Expenditure																																								
100	Wooden Pole Lines											228.461					256.807					272.214					284.114					302.178									
101	Underground Cables											66.093					64.622					64.969					64.955					69.114									
102	Transformers											75.579					74.478					74.811					74.495					76.581									
103	Switchgear											25.390					25.233					25.641					25.575					26.668									
104	Street lighting											1.324					1.198					1.102					1.097					1.130									
105	Meters and Services											-					-					-					-					-									
106	IT											-					-					-					-					-									
107	SCADA & Communications											-					-					-					-					-									
108	Other Distribution Non-Network											-					-					-					-					-									
109	Distribution Land & Easements											-					-					-					-					-									
110	Total											2,183.83					396.85					422.34					438.74					450.24					475.67				
111																																									
112	Depreciation											<i>Life</i>																													
113	Wooden Pole Lines											41.00					-					5.572					11.836					18.475					25.405				
114	Underground Cables											60.00					-					1.102					2.179					3.261					4.344				
115	Transformers											35.00					-					2.159					4.287					6.425					8.553				
116	Switchgear											35.00					-					0.725					1.446					2.179					2.910				
117	Street lighting											20.00					-					0.066					0.126					0.181					0.236				
118	Meters and Services											15.00					-					-					-					-					-				
119	IT											6.00					-					-					-					-					-				
120	SCADA & Communications											10.16					-					-					-					-					-				
121	Other Distribution Non-Network											10.16					-					-					-					-					-				
122	Distribution Land & Easements											-					-					-					-					-					-				
123	Total											-					-9.62					-19.87					-30.52					-41.45									
124																																									
125	Closing Balance																																								
126	Wooden Pole Lines											228.46					479.70					740.07					1,005.71					1,282.49									
127	Underground Cables											66.09					129.61					192.40					254.10					318.87									
128	Transformers											75.58					147.90					218.42					286.49					354.52									
129	Switchgear											25.39					49.90					74.09					97.49					121.25									
130	Street lighting											1.32					2.46					3.43					4.35					5.24									
131	Meters and Services											-					-					-					-					-									
132	IT											-					-					-					-					-									
133	SCADA & Communications											-					-					-					-					-									
134	Other Distribution Non-Network											-					-					-					-					-									
135	Distribution Land & Easements											-					-					-					-					-									
136	Total											396.85					809.56					1,228.42					1,648.14					2,082.36									
137																																									
138	Adjustment Calculation																																								
139	Year Ending 30 June (Real \$ M 30/06/2017)											2013					2014					2015					2016					2017									
140	Return on assets											-					14.30					29.18					44.27					59.40									

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Distribution Adjustment

	2	3	7	8	9	10	11	12	13	14	15 #	17	18	19	20	21	
4	Investment Adjustment Mechanism (IAM)					AA3 Approved					AA3 Actual						
5	Year Ending 30 June (Real \$ M 30/06/2017)					2013	2014	2015	2016	2017	2013	2014	2015	2016	2017		
141	Depreciation					-	9.62	19.87	30.52	41.45	-	9.62	19.87	30.52	41.45		
142	Cost of service					-	23.93	49.05	74.80	100.85	-	24.91	50.64	73.27	92.76		
143																	
144	Approved v.s. Actual Analysis																
145	Approved CoS					-	23.93	49.05	74.80	100.85							
146	Actual CoS						PV	-	24.91	50.64	73.27	92.76					
147	Actual less Approved						-\$5.759	-	0.98	1.59	-1.53	-8.09					
148																	
149	Cashflow analysis to reconcile IAM adjustment																
150	IAM actual capital expenditure																
151	Actual asset opening value																
152	Actual asset residual value														1,545.11		
153	Forecast cost of service															100.85	
154	Total cashflow															1,483.01	
155																	
156	Service standard adjustment mechanism (SSAM) adjustment																
157	Year Ending 30 June (Real \$ M 30/06/2017)					2013	2014	2015	2016	2017							
158	Revenue at risk																
159	Distribution revenue cap (AA3 Target Revenue)						756.08	755.05	900.51	1,028.63	1,122.47						
160	Distribution revenue at risk cap						37.80	37.75	45.03	51.43	56.12						
161																	
162	SSAM calculation																
163	SSD																
164	SAIDI - CBD						12.700	2.000	-5.900	-2.300	6.500					1	
165	SAIDI - Urban						33.900	29.200	33.600	45.300	32.200					1	
166	SAIDI - Rural Short						26.400	36.600	25.200	39.400	32.200					1	
167	SAIDI - Rural Long						-103.200	-91.600	-95.300	-0.400	-44.000					1	
168	SAIFI - CBD						0.110	-0.060	-0.030	0.040	0.030					2	
169	SAIFI - Urban						0.200	0.230	0.270	0.450	0.340					2	
170	SAIFI - Rural Short						0.100	0.440	0.290	0.520	0.510					2	
171	SAIFI - Rural Long						-0.450	-0.450	-0.350	0.070	0.110					2	
172	Call centre performance						-3.000	-5.200	-6.100	-3.800	-4.200					3	
173																	
174	SSAM																
175	SAIDI - CBD																
176	SAIDI - Urban																
177	SAIDI - Rural Short																
178	SAIDI - Rural Long																
179	SAIFI - CBD																
180	SAIFI - Urban																
181	SAIFI - Rural Short																
182	SAIFI - Rural Long																
183	Call centre performance																
184	Total raw distribution SSAM																
185	Total distribution SSAM (inc revenue at risk cap)																

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Distribution Adjustment

	2	3	7	8	9	10	11	12	13	14	15 #	17	18	19	20	21		
4	Investment Adjustment Mechanism (IAM)					AA3 Approved					AA3 Actual							
5	Year Ending 30 June (Real \$ M 30/06/2017)		2013	2014	2015	2016	2017				2013	2014	2015	2016	2017			
186																		
187	K-Factor																	
188	Year Ending 30 June		2013	2014	2015	2016	2017	2018										
189	Distribution (Real\$ M 30/06/2012)																	
190	Target Revenue AA3		685.73	684.80	816.72	932.92	1,018.03											
191	plus AA2 adjustment factor																	
192	plus k-Factor		49.11	69.25	47.90	8.73	-33.95	33.02										
193	Maximum revenue		734.84	754.05	864.63	941.65	984.08	33.02										
194																		
195	Actual TEC [\$M nominal]		154.00	209.00	136.00	141.00	150.00											
196																		
197	Maximum distribution revenue [\$M nominal]		906.40	1,004.35	1,061.77	1,159.56	1,235.04											
198																		
199	Other Adjustment																	
200	Year Ending 30 June (Real \$ M 30/06/2017)		PV	2013	2014	2015	2016	2017										
201	Unforeseen events revenue adjustment		\$0.00	-	-	-	-	-										
202	Technical rule change revenue adjustment		\$0.00	-	-	-	-	-										
203	D-Factor revenue adjustment		\$7.04	2.11	1.78	1.66	1.54	0.62										

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Transmission Adjustment

	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
4 Investment Adjustment Mechanism (IAM)	AA3 Approved										AA3 Actual									
5 Year Ending 30 June (Real \$ M 30/06/2017)		2013	2014	2015	2016	2017		2013	2014	2015	2016	2017								
6 Transmission Capex Subject to IAM (Exclude Gifted Asset and Cash Contribution)																				
7 Growth																				
8 Capacity Expansion		212.45	298.97	143.71	154.40	244.06		109.49	215.58	90.45	27.83	31.31								
9 Customer Driven		12.54	21.78	21.84	21.99	22.43		20.31	40.33	24.79	0.36	8.93								
10 Generation Driven		-	-	-	-	-		-	-	-	-	-								
11 Gifted Assets		-	-	-	-	-		-	-	-	-	-								
12 Asset replacement and renewal		-	-	-	-	-		-	-	-	-	-								
13 Asset Replacement		-	-	-	-	-		-	-	-	-	-								
14 Improvement in service		-	-	-	-	-		-	-	-	-	-								
15 Reliability Driven		-	-	-	-	-		-	-	-	-	-								
16 SCADA & Communications		-	-	-	-	-		-	-	-	-	-								
17 Compliance		-	-	-	-	-		-	-	-	-	-								
18 Safety, Environmental & Statutory		-	-	-	-	-		-	-	-	-	-								
19 Corporate		-	-	-	-	-		-	-	-	-	-								
20 IT		-	-	-	-	-		-	-	-	-	-								
21 Business Support		-	-	-	-	-		-	-	-	-	-								
22 Equity raising costs		-	-	-	-	-		-	-	-	-	-								
23 Total		224.99	320.75	165.55	176.39	266.49		129.79	255.92	65.66	27.48	22.37								
24																				
25 Transmission Capex Subject to IAM by Asset class (Exclude Gifted Asset and Cash Contribution)																				
				AA3 Approved					AA3 Actual											
26 Transmission cables		28.40	40.30	20.31	21.70	33.28		15.77	31.08	9.62	3.56	3.30								
27 Transmission steel towers		18.52	26.45	13.79	14.68	22.03		10.85	21.41	5.03	2.24	1.71								
28 Transmission wood poles		9.41	13.24	6.36	6.84	10.81		4.85	9.54	4.00	1.23	1.39								
29 Transmission metering		-	-	-	-	-		-	-	-	-	-								
30 Transmission transformers		70.31	100.41	52.28	55.65	83.61		41.12	81.10	19.30	8.51	6.56								
31 Transmission reactors		9.00	12.66	6.09	6.54	10.33		4.64	9.13	3.83	1.18	1.33								
32 Transmission capacitors		6.96	9.91	5.09	5.43	8.23		3.99	7.86	2.10	0.85	0.72								
33 Transmission circuit breakers		22.97	33.15	18.22	19.28	28.00		14.61	28.84	3.74	2.61	1.22								
34 SCADA and communications		-	-	-	-	-		-	-	-	-	-								
35 IT		-	-	-	-	-		-	-	-	-	-								
36 Other non-network assets		-	-	-	-	-		-	-	-	-	-								
37 Land & Easements		59.43	84.63	43.42	46.29	70.20		33.96	66.96	18.04	7.30	6.16								
38 Equity raising costs		-	-	-	-	-		-	-	-	-	-								
39 Total		224.99	320.75	165.55	176.39	266.49		129.79	255.92	65.66	27.48	22.37								
40																				
41 Transmission Capex NOT Subject to IAM																				
42 Growth				AA3 Approved					AA3 Actual											
43 Capacity Expansion		-	-	-	-	-		-	-	-	-	-								
44 Customer Driven		-	-	-	-	-		-	-	-	-	-								
45 Generation Driven		-	-	-	-	-		-	-	-	-	-								
46 Gifted Assets		-	-	-	-	-		-	-	-	-	-								
47 Asset replacement and renewal		-	-	-	-	-		-	-	-	-	-								
48 Asset Replacement		33.50	36.62	37.07	37.42	39.44		27.98	44.52	38.90	41.51	33.36								
49 Improvement in service		-	-	-	-	-		-	-	-	-	-								
50 Reliability Driven		-	-	-	-	-		1.31	0.28	0.19	-	-								

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Transmission Adjustment

	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
4	Investment Adjustment Mechanism (IAM)					AA3 Approved					AA3 Actual										
5	Year Ending 30 June (Real \$ M 30/06/2017)					2013	2014	2015	2016	2017	2013	2014	2015	2016	2017						
51	SCADA & Communications					15.49	13.17	14.40	20.62	20.58	6.10	10.98	13.10	16.78	11.51						
52	Compliance					-	-	-	-	-	-	-	-	-	-						
53	Safety, Environmental & Statutory					19.75	21.58	27.13	33.25	33.84	22.61	19.44	26.16	22.69	21.04						
54	Corporate					-	-	-	-	-	-	-	-	-	-						
55	IT					17.10	16.46	9.63	10.06	10.21	10.17	6.70	9.54	5.27	12.33						
56	Business Support					13.61	13.30	9.21	9.30	7.67	10.80	1.89	5.29	5.47	2.27						
57	Equity raising costs					0.85	2.54	0.48	1.52	3.81	0.55	1.90	0.36	0.69	1.20						
58	Total					100.30	103.66	97.93	112.17	115.53	79.52	85.71	93.54	92.42	81.69						
59																					
60	Distribution Capex NOT Subject to IAM by Asset class					AA3 Approved					AA3 Actual										
61	Transmission cables					-	-	-	-	-	-	-	-	-	-						
62	Transmission steel towers					-	-	-	-	-	-	-	-	-	-						
63	Transmission wood poles					19.75	21.58	27.13	33.25	33.84	23.72	19.68	26.32	22.69	21.04						
64	Transmission metering					-	-	-	-	-	-	-	-	-	-						
65	Transmission transformers					20.00	21.86	22.13	22.33	23.54	16.70	26.58	23.22	24.78	19.91						
66	Transmission reactors					2.45	2.68	2.71	2.73	2.88	2.04	3.25	2.84	3.03	2.44						
67	Transmission capacitors					-	-	-	-	-	-	-	-	-	-						
68	Transmission circuit breakers					11.06	12.09	12.24	12.35	13.02	9.43	14.74	12.87	13.70	11.01						
69	SCADA and communications					15.49	13.17	14.40	20.62	20.58	6.10	10.98	13.10	16.78	11.51						
70	IT					17.10	16.46	9.63	10.06	10.21	10.17	6.70	9.54	5.27	12.33						
71	Other non-network assets					13.61	13.30	9.21	9.30	7.67	6.48	1.13	3.17	3.28	1.36						
72	Land & Easements					-	-	-	-	-	4.32	0.75	2.11	2.19	0.91						
73	Equity raising costs					0.85	2.54	0.48	1.52	3.81	0.55	1.90	0.36	0.69	1.20						
74	Total					100.30	103.66	97.93	112.17	115.53	79.52	85.71	93.54	92.42	81.69						
75																					
76	Total					325.28	424.41	263.48	288.56	382.03	209.31	341.63	159.20	119.90	104.07						
77	Check this is the Net Capex rolled into Rab					325.28	424.41	263.48	288.56	382.03	209.31	341.63	159.20	119.90	104.07						
78						OK	OK	OK	OK	OK	OK	OK	OK	OK	OK						
79																					
80	Investment Adjustment Mechanism (IAM)					AA3 Approved					AA3 Actual										
81	Year Ending 30 June (Real \$ M 30/06/2017)					2013	2014	2015	2016	2017	2013	2014	2015	2016	2017						
82	Opening Balance																				
83	Transmission cables					-	28.40	68.18	87.24	107.32	-	15.77	46.34	54.70	56.64						
84	Transmission steel towers					-	18.52	44.66	57.70	71.40	-	10.85	31.95	36.23	37.49						
85	Transmission wood poles					-	9.41	22.43	28.29	34.48	-	4.85	14.18	17.68	18.27						
86	Transmission metering					-	-	-	-	-	-	-	-	-	-						
87	Transmission transformers					-	70.31	169.32	218.18	269.37	-	41.12	120.81	136.70	140.75						
88	Transmission reactors					-	9.00	21.48	27.13	33.11	-	4.64	13.58	16.98	17.61						
89	Transmission capacitors					-	6.96	16.70	21.37	26.25	-	3.99	11.67	13.34	13.65						
90	Transmission circuit breakers					-	22.97	55.66	72.75	90.54	-	14.61	43.00	45.61	46.73						
91	SCADA and communications					-	-	-	-	-	-	-	-	-	-						
92	IT					-	-	-	-	-	-	-	-	-	-						
93	Other non-network assets					-	-	-	-	-	-	-	-	-	-						
94	Land & Easements					-	59.43	144.05	187.47	233.77	-	33.96	100.92	118.96	126.26						
95	Equity raising costs					-	-	-	-	-	-	-	-	-	-						

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Transmission Adjustment

	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
4	Investment Adjustment Mechanism (IAM)										AA3 Approved					AA3 Actual					
5	Year Ending 30 June (Real \$ M 30/06/2017)										2013	2014	2015	2016	2017	2013	2014	2015	2016	2017	
96	Total	-	224.99	542.48	700.14	866.24	-	129.79	382.46	440.22	457.41	-	129.79	382.46	440.22	457.41	-	129.79	382.46	440.22	457.41
97																					
98	Capital Expenditure																				
99	Transmission cables	28.40	40.30	20.31	21.70	33.28	15.77	31.08	9.62	3.56	3.30	15.77	31.08	9.62	3.56	3.30	15.77	31.08	9.62	3.56	3.30
100	Transmission steel towers	18.52	26.45	13.79	14.68	22.03	10.85	21.41	5.03	2.24	1.71	10.85	21.41	5.03	2.24	1.71	10.85	21.41	5.03	2.24	1.71
101	Transmission wood poles	9.41	13.24	6.36	6.84	10.81	4.85	9.54	4.00	1.23	1.39	4.85	9.54	4.00	1.23	1.39	4.85	9.54	4.00	1.23	1.39
102	Transmission metering	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
103	Transmission transformers	70.31	100.41	52.28	55.65	83.61	41.12	81.10	19.30	8.51	6.56	41.12	81.10	19.30	8.51	6.56	41.12	81.10	19.30	8.51	6.56
104	Transmission reactors	9.00	12.66	6.09	6.54	10.33	4.64	9.13	3.83	1.18	1.33	4.64	9.13	3.83	1.18	1.33	4.64	9.13	3.83	1.18	1.33
105	Transmission capacitors	6.96	9.91	5.09	5.43	8.23	3.99	7.86	2.10	0.85	0.72	3.99	7.86	2.10	0.85	0.72	3.99	7.86	2.10	0.85	0.72
106	Transmission circuit breakers	22.97	33.15	18.22	19.28	28.00	14.61	28.84	3.74	2.61	1.22	14.61	28.84	3.74	2.61	1.22	14.61	28.84	3.74	2.61	1.22
107	SCADA and communications	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
108	IT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
109	Other non-network assets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
110	Land & Easements	59.43	84.63	43.42	46.29	70.20	33.96	66.96	18.04	7.30	6.16	33.96	66.96	18.04	7.30	6.16	33.96	66.96	18.04	7.30	6.16
111	Equity raising costs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
112	Total	224.99	320.75	165.55	176.39	266.49	129.79	255.92	65.66	27.48	22.37	129.79	255.92	65.66	27.48	22.37	129.79	255.92	65.66	27.48	22.37
113																					
114	Depreciation		<i>Life</i>																		
115	Transmission cables	55.00	-	-	0.516	-	1.249	-	1.618	-	2.013	-	-	0.516	-	1.249	-	1.618	-	2.013	-
116	Transmission steel towers	60.00	-	-	0.309	-	0.750	-	0.979	-	1.224	-	-	0.309	-	0.750	-	0.979	-	1.224	-
117	Transmission wood poles	45.00	-	-	0.209	-	0.503	-	0.645	-	0.796	-	-	0.209	-	0.503	-	0.645	-	0.796	-
118	Transmission metering	40.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
119	Transmission transformers	50.00	-	-	1.406	-	3.414	-	4.460	-	5.573	-	-	1.406	-	3.414	-	4.460	-	5.573	-
120	Transmission reactors	50.00	-	-	0.180	-	0.433	-	0.555	-	0.686	-	-	0.180	-	0.433	-	0.555	-	0.686	-
121	Transmission capacitors	40.00	-	-	0.174	-	0.422	-	0.549	-	0.685	-	-	0.174	-	0.422	-	0.549	-	0.685	-
122	Transmission circuit breakers	50.00	-	-	0.459	-	1.122	-	1.487	-	1.872	-	-	0.459	-	1.122	-	1.487	-	1.872	-
123	SCADA and communications	11.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
124	IT	6.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
125	Other non-network assets	16.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
126	Land & Easements	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
127	Equity raising costs	49.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
128	Total	-	-3.25	-7.89	-10.29	-12.85	-	-3.25	-7.89	-10.29	-12.85	-	-3.25	-7.89	-10.29	-12.85	-	-3.25	-7.89	-10.29	-12.85
129																					
130	Closing Balance																				
131	Transmission cables	28.40	68.18	87.24	107.32	138.58	15.77	46.34	54.70	56.64	57.93	15.77	46.34	54.70	56.64	57.93	15.77	46.34	54.70	56.64	57.93
132	Transmission steel towers	18.52	44.66	57.70	71.40	92.21	10.85	31.95	36.23	37.49	37.98	10.85	31.95	36.23	37.49	37.98	10.85	31.95	36.23	37.49	37.98
133	Transmission wood poles	9.41	22.43	28.29	34.48	44.49	4.85	14.18	17.68	18.27	18.86	4.85	14.18	17.68	18.27	18.86	4.85	14.18	17.68	18.27	18.86
134	Transmission metering	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
135	Transmission transformers	70.31	169.32	218.18	269.37	347.40	41.12	120.81	136.70	140.75	141.73	41.12	120.81	136.70	140.75	141.73	41.12	120.81	136.70	140.75	141.73
136	Transmission reactors	9.00	21.48	27.13	33.11	42.76	4.64	13.58	16.98	17.61	18.25	4.64	13.58	16.98	17.61	18.25	4.64	13.58	16.98	17.61	18.25
137	Transmission capacitors	6.96	16.70	21.37	26.25	33.79	3.99	11.67	13.34	13.65	13.68	3.99	11.67	13.34	13.65	13.68	3.99	11.67	13.34	13.65	13.68
138	Transmission circuit breakers	22.97	55.66	72.75	90.54	116.67	14.61	43.00	45.61	46.73	46.09	14.61	43.00	45.61	46.73	46.09	14.61	43.00	45.61	46.73	46.09
139	SCADA and communications	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
140	IT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Adjustment

	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21			
4	Investment Adjustment Mechanism (IAM)										AA3 Approved					AA3 Actual							
5	Year Ending 30 June (Real \$ M 30/06/2017)										2013	2014	2015	2016	2017	2013	2014	2015	2016	2017			
141	Other non-network assets										-	-	-	-	-	-	-	-	-	-	-	-	
142	Land & Easements										59.43	144.05	187.47	233.77	303.97	33.96	100.92	118.96	126.26	132.42			
143	Equity raising costs										-	-	-	-	-	-	-	-	-	-	-		
144	Total										224.99	542.48	700.14	866.24	1,119.89	129.79	382.46	440.22	457.41	466.93			
145																							
146	Adjustment Calculation										Approved					Actual							
147	Year Ending 30 June (Real \$ M 30/06/2017)										2013	2014	2015	2016	2017	2013	2014	2015	2016	2017			
148	Return on assets										-	8.11	19.55	25.23	31.22	-	4.68	13.78	15.87	16.49			
149	Depreciation										-	3.25	7.89	10.29	12.85	-	3.25	7.89	10.29	12.85			
150	Cost of service										-	11.36	27.45	35.53	44.07	-	7.93	21.68	26.16	29.33			
151																							
152	Approved v.s. Actual Analysis																						
153	Approved CoS										-	11.36	27.45	35.53	44.07								
154	Actual CoS											PV	-	7.93	21.68	26.16	29.33						
155	Actual less Approved											-\$28.858	-	-3.43	-5.77	-9.37	-14.73						
156																							
157	Cashflow analysis to reconcile IAM adjustment																						
158	IAM actual capital expenditure										-129.79	-255.92	-65.66	-27.48	-22.37								
159	Actual asset opening value										-												
160	Actual asset residual value														466.93								
161	Forecast cost of service											PV	-	11.36	27.45	35.53	44.07						
162	Total cashflow											\$28.858	-129.79	-244.55	-38.22	8.05	488.63						
163												OK											
164	Service standard adjustment mechanism (SSAM) adjustment																						
165	Year Ending 30 June (Real \$ M 30/06/2017)										2013	2014	2015	2016	2017								
166	Revenue at risk																						
167	Transmission revenue cap (AA3 Target Revenue)										426.997	361.740	354.406	320.458	289.762								
168	Transmission revenue at risk cap										4.270	3.617	3.544	3.205	2.898								
169																							
170	SSAM calculation																						
171	SSD																						
172	Circuit Availability										-0.300	0.100	-0.400	-0.600	-0.800							1	
173	System Minutes Interrupted - Radial										0.700	-1.800	0.300	1.400	1.200							1	
174	Loss of Supply Event Frequency >0.1										13.000	7.000	-	9.000	8.000							1	
175	Loss of Supply Event Frequency >1										1.000	1.000	2.000	1.000	-							1	
176	Average Outage Duration										-168.000	-97.000	-22.000	-188.000	45.000							1	
177																							
178	SSAM											PV											
179	Circuit Availability											\$16.16	2.703	-0.451	3.604	5.406	7.208						10
180	System Minutes Interrupted - Radial											\$0.05	0.081	-0.341	0.035	0.163	0.140						1
181	Loss of Supply Event Frequency >0.1											\$1.34	0.521	0.280	-	0.360	0.320						1
182	Loss of Supply Event Frequency >1											\$0.82	0.180	0.180	0.360	0.180	-						1
183	Average Outage Duration											-\$1.05	-0.462	-0.267	-0.061	-0.517	0.173						1
184	Total raw distribution SSAM											\$17.32	3.023	-0.598	3.939	5.592	7.841						
185	Total distribution SSAM (inc revenue at risk cap)											\$10.76	3.02	-0.60	3.54	3.20	2.90						

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD] Transmission Adjustment

	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21			
4	Investment Adjustment Mechanism (IAM)										AA3 Approved					AA3 Actual							
5	Year Ending 30 June (Real \$ M 30/06/2017)										2013	2014	2015	2016	2017				2013	2014	2015	2016	2017
186																							
187	K-Factor																						
188	Year Ending 30 June										2013	2014	2015	2016	2017	2018							
189	Transmission (Real\$ M 30/06/2012)																						
190	Target Revenue AA3																						
191	plus AA2 adjustment factor																						
192	plus k-Factor																						
193	Maximum revenue																						
194																							
195	Actual TEC [\$M nominal]																						
196																							
197	Maximum transmission revenue [\$M nominal]																						
198																							
199	Other Adjustment																						
200	Year Ending 30 June (Real \$ M 30/06/2017)	PV	2013	2014	2015	2016	2017																
201	Unforeseen events revenue adjustment	\$0.00	-	-	-	-	-																
202	Technical rule change revenue adjustment	\$0.00	-	-	-	-	-																
203	D-Factor revenue adjustment	\$0.00	-	-	-	-	-																

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD] Tax Anlysis (\$M Nominal)

	2	3	4	5	6	7	8	9	21	22	23	24	25	26																												
4 Year Ending 30 June																																										
5 Days																																										
6 Project Year																																										
7 Regulatory Period	AA3							AA4																																		
8 Modelled Inflation																																										
9 Actual & Forecast Inflation																																										
10 End of year Inflation factor																																										
11 Post-tax WACC																																										
12 Real																																										
13 Nominal																																										
14 Nominal WACC deflating factor																																										
15 Asset Value	2017							2018							2019							2020							2021							2022						
16 Asset Value																																										
17 Distribution opening asset balance																																										
18 Distribution opening working capital																																										
19 Transmission opening asset balance																																										
20 Transmission opening working capital																																										
21 Total opening balance																																										
22																																										
23 Equity																																										
24 Distribution equity																																										
25 Transmission equity																																										
26 Total equity																																										
27																																										
28 Debt																																										
29 Distribution debt																																										
30 Transmission debt																																										
31 Total debt																																										
32																																										
33 Western Power - Comprehensive Income Statement [\$M nominal]	2017							2018							2019							2020							2021							2022						
34 Revenue																																										
35 Distribution																																										
36 Transmission																																										
37 Total																																										
38																																										
39 Expense																																										
40 Distribution Operating Expenditure																																										
41 Transmission Operating Expenditure																																										
42 Interest on Distribution Debt																																										
43 Interest on Transmission Debt																																										
44 Distribution Tax Depreciation																																										
45 Transmission Tax Depreciation																																										
46 Distribution TEC																																										
47 Total Expenses																																										
48																																										
	Grossed up tax rate applied to unsmoothed re 35.29%																																									
50 Profit before income tax expense																																										
51 Taxable Income																																										

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Tax Anlysis (\$M Nominal)

	2	3	4	5	6	7	8	9	21	22	23	24	25	26
4 Year Ending 30 June									2017	2018	2019	2020	2021	2022
5 Days									365	365	365	365	365	365
6 Project Year									11	12	13	14	15	16
7 Regulatory Period									AA3			AA4		
52 Tax Loss Carried Forward									-	-	-	-	-	-
53 Income tax expense									-177.03	-87.01	-85.08	-74.04	-74.04	-90.44
54 post tax Profit/(Loss)									324.56	159.52	155.97	135.73	135.73	165.81
55														
56 Distribution Income Statement [\$M nominal]									2017	2018	2019	2020	2021	2022
57 Revenue														
58 Unsmoothed Dx Revenue										1,271.73	1,092.69	1,081.74	1,085.68	1,133.44
59														
60 Expense														
61 Distribution Operating Expenditure										-278.73	-280.75	-285.83	-296.77	-298.28
62 Interest on Distribution Debt										-172.18	-181.39	-190.62	-200.90	-208.63
63 Distribution Tax Depreciation										-221.98	-246.53	-265.32	-284.78	-289.64
64 Distribution TEC										-167.00	-198.00	-162.00	-157.00	-161.00
65 Total Distribution Expenses										-839.90	-906.68	-903.77	-939.44	-957.55
66														
67 Profit before income tax expense										431.84	186.01	177.97	146.24	175.89
68 Taxable Income										431.84	186.01	177.97	146.24	175.89
69 Tax Loss Carried Forward										-	-	-	-	-
70 Income tax expense										-152.41	-65.65	-62.81	-51.61	-62.08
71 post tax Profit/(Loss)										279.42	120.36	115.16	94.63	113.81
72														
73 Transmission Income Statement [\$M nominal]									2017	2018	2019	2020	2021	2022
74 Revenue														
75 Unsmoothed Tx Revenue										353.84	352.56	368.32	384.03	403.32
76 Expense														
77 Transmission Operating Expenditure										-88.68	-88.65	-89.95	-93.07	-92.66
78 Interest on Transmission Debt										-90.99	-93.27	-96.77	-100.31	-102.19
79 Transmission Tax Depreciation										-104.42	-110.12	-118.52	-127.12	-128.11
80 Total Expenses										-284.08	-292.04	-305.24	-320.50	-322.96
81														
82 Profit before income tax expense										69.76	60.52	63.08	63.53	80.36
83 Taxable Income										69.76	60.52	63.08	63.53	80.36
84 Tax Loss Carried Forward										- 87.158	-	-	-	-
85 Income tax expense										-24.62	-21.36	-22.26	-22.42	-28.36
86 post tax Profit/(Loss)										45.14	39.16	40.82	41.11	52.00
87														
88 Corporate Tax Allocation between Distribution and Transmission									2017	2018	2019	2020	2021	2022
89														
90 Corprate Tax based on unsmoothed revenue										-177.03	-87.01	-85.08	-74.04	-90.44
91 Income Tax for Distribution as separate entity										-152.41	-65.65	-62.81	-51.61	-62.08
92 Income Tax for Transmission as separate entity										-24.62	-21.36	-22.26	-22.42	-28.36
93 Allocation %														
94 Dx										86%	75%	74%	70%	69%
95 Tx										14%	25%	26%	30%	31%

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Tax Anlysis (\$M Nominal)

	2	3	4	5	6	7	8	9	21	22	23	24	25	26
4 Year Ending 30 June									2017	2018	2019	2020	2021	2022
5 Days									365	365	365	365	365	365
6 Project Year									11	12	13	14	15	16
7 Regulatory Period									AA3			AA4		
96 Tax Allocation														
97 Dx										-152.41	-65.65	-62.81	-51.61	-62.08
98 Tx										-24.62	-21.36	-22.26	-22.42	-28.36
99														
100 Corporate Tax Allocation														
101 Distribution portion										-152.413	-65.65	-62.81	-51.61	-62.08
102 Transmission portion										-24.62	-21.36	-22.26	-22.42	-28.36
103														
104 Equity Raising Cost									2017	2018	2019	2020	2021	2022
105 Days									365	365	365	365	365	365
106														
107 Dividend imputation/payout ratio										88.0%				
108 Benchmark SEO raising cost										3.0%				
109 Benchmark DRP cost										1.0%				
110 Benchmark DRP takeup										25.1%				
111														
112 Equity raising cost - Western Power [\$M nominal]									2017	2018	2019	2020	2021	2022
113 Dividend assessment														
114 Tax payable										177.03	87.01	85.08	74.04	90.44
115 Dividends										285.62	140.38	137.26	119.44	145.91
116 Dividend reinvestment										71.69	35.24	34.45	29.98	36.62
117														
118 Benchmark cash flows														
119 Revenue										1,671.60	1,488.76	1,492.60	1,506.73	1,581.98
120 TEC										-167.00	-198.00	-162.00	-157.00	-161.00
121 Revenue - TEC										1,504.60	1,290.76	1,330.60	1,349.73	1,420.98
122 Opex										-367.41	-369.40	-375.78	-389.83	-390.94
123 Interest										-263.17	-274.66	-287.39	-301.21	-310.83
124 Tax										-177.03	-87.01	-85.08	-74.04	-90.44
125 Internal cash flow										696.98	559.69	582.35	584.65	628.78
126 Dividend										-285.62	-140.38	-137.26	-119.44	-145.91
127 Dividend reinvestment										71.69	35.24	34.45	29.98	36.62
128 Retained cash flow										483.05	454.54	479.55	495.18	519.49
129														
130 Benchmark capital expenditure funding														
131 Net Distribution Capex										480.95	497.24	539.99	431.90	439.75
132 Net Transmission Capex										126.39	183.11	182.48	129.68	131.98
133 Net Capex										607.34	680.34	722.47	561.58	571.73
134 Debt Component										215.80	241.05	259.90	176.47	183.31
135 Equity Component										391.54	439.30	462.56	385.11	388.42
136 Retained cash flows										483.05	454.54	479.55	495.18	519.49
137 Equity Required (SEO) / (Surplus equity)										-91.51	-15.25	-16.99	-110.08	-131.06
138														
139 Equity raising costs														

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD] Tax Anlysis (\$M Nominal)

	2	3	4	5	6	7	8	9	21	22	23	24	25	26
4 Year Ending 30 June									2017	2018	2019	2020	2021	2022
5 Days									365	365	365	365	365	365
6 Project Year									11	12	13	14	15	16
7 Regulatory Period									AA3			AA4		
140 External Equity Raising Costs / (Surplus equity)										-91.510	-15.247	-16.987	-110.076	-131.064
141 DRP cost						Sum				0.717	0.352	0.345	0.300	0.366
142 Total Equity Raising Costs						-				-	-	-	-	-
143 Equity Raising Costs to capitalise						-	copy			-	-	-	-	-
144						-	past value			-	-	-	-	-
145 Total Equity Raising Costs [\$M real as at 30 June 2017]						-				-	-	-	-	-
146						-				-	-	-	-	-
147 Equity raising cost - Distribution [\$M nominal]									2017	2018	2019	2020	2021	2022
148 Dividend assessment														
149 Tax payable										152.41	65.65	62.81	51.61	62.08
150 Dividends										245.89	105.92	101.34	83.27	100.16
151 Dividend reinvestment										61.72	26.59	25.44	20.90	25.14
152														
153 Benchmark cash flows														
154 Revenue										1,340.66	1,125.52	1,113.15	1,111.49	1,164.48
155 TEC										-167.00	-198.00	-162.00	-157.00	-161.00
156 Revenue - TEC										1,173.66	927.52	951.15	954.49	1,003.48
157 Opex										-278.73	-280.75	-285.83	-296.77	-298.28
158 Interest										-172.18	-181.39	-190.62	-200.90	-208.63
159 Tax										-152.41	-65.65	-62.81	-51.61	-62.08
160 Internal cash flow										570.33	399.72	411.88	405.21	434.49
161 Dividend										-245.89	-105.92	-101.34	-83.27	-100.16
162 Dividend reinvestment										61.72	26.59	25.44	20.90	25.14
163 Retained cash flow										386.16	320.39	335.98	342.84	359.47
164														
165 Benchmark capital expenditure funding														
166 Net Distribution Capex										480.95	497.24	539.99	431.90	439.75
167 Debt Component										176.43	174.26	197.39	147.11	155.56
168 Equity Component										304.52	322.98	342.60	284.79	284.18
169 Retained cash flows										386.16	320.39	335.98	342.84	359.47
170 Equity Required (SEO) / (Surplus equity)										-81.64	2.59	6.62	-58.05	-75.29
171														
172 Equity raising costs														
173 External Equity Raising Costs / (Surplus equity)										-81.641	0.078	0.199	-58.051	-75.290
174 DRP cost						Sum				1.524	0.657	0.628	0.516	0.621
175 Total Equity Raising Costs						1.561				-	0.734	0.827	-	-
176 Equity Raising Costs to capitalise						1.561	copy			-	0.734	0.827	-	-
177						1.561	past value			-	0.734	0.827	-	-
178 Total Equity Raising Costs [\$M real as at 30 June 2017]						1.491				-	0.708	0.783	-	-
179						-				-	0.708	0.783	-	-
180 Equity raising cost - Transmission [\$M nominal]									2017	2018	2019	2020	2021	2022
181 Dividend assessment														
182 Tax payable										24.62	21.36	22.26	22.42	28.36
183 Dividends										39.72	34.46	35.92	36.17	45.76

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD] Tax Anlaysis (\$M Nominal)

	2	3	4	5	6	7	8	9	21	22	23	24	25	26
4 Year Ending 30 June									2017	2018	2019	2020	2021	2022
5 Days									365	365	365	365	365	365
6 Project Year									11	12	13	14	15	16
7 Regulatory Period									AA3			AA4		
184 Dividend reinvestment										9.97	8.65	9.02	9.08	11.485
185														
186 Benchmark cash flows														
187 Revenue										330.94	363.24	379.46	395.24	417.50
188 Opex										-88.68	-88.65	-89.95	-93.07	-92.66
189 Interest										-90.99	-93.27	-96.77	-100.31	-102.19
190 Tax										-24.62	-21.36	-22.26	-22.42	-28.36
191 Internal cash flow										126.65	159.97	170.47	179.44	194.29
192 Dividend										-39.72	-34.46	-35.92	-36.17	-45.76
193 Dividend reinvestment										9.97	8.65	9.02	9.08	11.49
194 Retained cash flow										96.89	134.15	143.57	152.34	160.01
195														
196 Benchmark capital expenditure funding														
197 Net Transmission Capex										126.39	183.11	182.48	129.68	131.98
198 Debt Component										39.369	66.788	62.517	29.364	27.742
199 Equity Component										87.025	116.318	119.961	100.319	104.240
200 Retained cash flows										96.895	134.155	143.569	152.344	160.014
201 Equity Required (SEO) / (Surplus equity)									-	9.870	17.836	23.608	52.025	55.774
202														
203 Equity raising costs														
204 External Equity Raising Costs / (Surplus equity)										-9.870	-17.836	-23.608	-52.025	-55.774
205 DRP cost										0.397	0.345	0.359	0.362	0.458
206 Total Equity Raising Costs										-	-	-	-	-
207 Equity Raising Costs to capitalise										-	-	-	-	-
208										-	-	-	-	-
209 Total Equity Raising Costs [\$M real as at 30 June 2017]										-	-	-	-	-
210										-	-	-	-	-
211 Equity raising cost - Split to transmission and distribution [\$M nominal]									2017	2018	2019	2020	2021	2022
212 Revenue model input data														
213 Distribution split														
214 Transmission split														
215 Total														
216														
217														
218 Revenue model input data														
219 Distribution split														
220 Transmission split														
221 Total														

ERA Western Power AA4 Revenue Model, February 2019 [Post FD] Gain Sharing Mechanism (GSM)

	2	3	4	5	6	7	8	9	##	##	##	##	##	##	##	##	##	##	##	##	##
Gain Sharing Mechanism (GSM)																					
Year ending 30 June																					
[APPROVED] Sale Escalation																					
Customer numbers escalation						2.41%	2.41%	2.41%	2.41%	2.41%	2.41%	2.41%									
Customer numbers factor (95%) - base as at 30 June 2011	1.000	1.023	1.046	1.070	1.095	1.120	1.145														
Customer numbers factor (95%) - base as at 30 June 2013			1.000	1.023	1.046	1.070	1.095														
Customer numbers factor (95%) - base as at 30 June 2014				1.000	1.023	1.046	1.070														
Network growth escalation						2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%									
Network growth factor (95%) - base as at 30 June 2011	1.000	1.020	1.040	1.061	1.082	1.104	1.126														
Network growth factor (95%) - base as at 30 June 2013			1.000	1.020	1.040	1.061	1.082														
Network growth factor (95%) - base as at 30 June 2014				1.000	1.020	1.040	1.061														
Network growth factor (30%) - base as at 30 June 2011	1.000	1.006	1.013	1.019	1.025	1.032	1.038														
Network growth factor (30%) - base as at 30 June 2013			1.000	1.006	1.013	1.019	1.025														
Network growth factor (30%) - base as at 30 June 2014				1.000	1.006	1.013	1.019														
[ACTUAL] Sale Escalation																					
Customer numbers escalation						0.53%	3.41%	0.68%	2.49%	2.37%	1.54%										
Customer numbers factor (95%) - base as at 30 June 2011	1.000	1.005	1.038	1.044	1.069	1.093	1.109														
Customer numbers factor (95%) - base as at 30 June 2013			1.000	1.006	1.030	1.053	1.069														
Customer numbers factor (95%) - base as at 30 June 2014				1.000	1.024	1.047	1.062														
Line length annual growth						1.42%	0.09%	1.35%	1.35%	0.79%	0.53%										
Number of distribution transformers annual growth						1.44%	0.47%	1.50%	1.11%	0.85%	0.64%										
Zone substation capacity annual growth						4.45%	0.82%	4.15%	-0.61%	-2.76%	0.51%										
Network growth escalation						2.44%	0.46%	2.33%	0.62%	-0.37%	0.56%										
Network growth factor (95%) - base as at 30 June 2011	1.000	1.023	1.028	1.050	1.057	1.053	1.058														
Network growth factor (95%) - base as at 30 June 2013			1.000	1.022	1.028	1.025	1.030														
Network growth factor (95%) - base as at 30 June 2014				1.000	1.006	1.002	1.008														
Network growth factor (30%) - base as at 30 June 2011	1.000	1.007	1.009	1.016	1.018	1.017	1.018														
Network growth factor (30%) - base as at 30 June 2013			1.000	1.007	1.009	1.008	1.009														
Network growth factor (30%) - base as at 30 June 2014				1.000	1.002	1.001	1.002														
Adjusting EIB for differences between actual and forecast scale escalation																					
Year ending 30 June																					
[APPROVED] Operating expenditure subject to scale escalation with ACTUAL scale escalation [\$M real as at 30 June 2017]																					
Distribution																					
Reliability Operations						1.70	1.74	1.75	1.74	1.75											
SCADA & Communications						4.64	4.74	4.77	4.76	4.78											
Non-revenue cap services						-	-	-	-	-											
Network Operations						16.10	16.21	16.24	16.22	16.25											
Smartgrid						-	-	-	-	-											
Maintenance Strategy						-	-	-	-	-											
Preventive Condition						44.90	45.90	46.17	46.00	46.25											
Preventive Routine						41.61	44.08	44.34	44.18	44.42											
Corrective Deferred						29.12	29.77	29.94	29.84	30.00											
Corrective Emergency						67.08	68.57	68.97	68.73	69.09											
Call Centre						7.90	7.96	8.14	8.33	8.45											

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD] Gain Sharing Mechanism (GSM)

	2	3	4	5	6	7	8	9	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	
4 Gain Sharing Mechanism (GSM)																											
5 Year ending 30 June																											
51	Metering																										
52	Guaranteed service level payments	<i>N/A</i>																									
53	Design & Estimating - Distribution Quotations	<i>N/A</i>																									
54	Business Support	<i>N/A</i>																									
55	IT	<i>N/A</i>																									
56	Non-recurring opex	<i>N/A</i>																									
57	Total																										
58																											
59	Transmission																										
60	SCADA & Communications	<i>Network growth factor * 95%</i>																									
61	Non-revenue cap services	<i>N/A</i>																									
62	Network Operations	<i>Network growth factor * 30%</i>																									
63	Maintenance Strategy	<i>N/A</i>																									
64	Preventive Condition	<i>Network growth factor * 95%</i>																									
65	Preventive Routine	<i>Network growth factor * 95%</i>																									
66	Corrective Deferred	<i>Network growth factor * 95%</i>																									
67	Corrective Emergency	<i>Network growth factor * 95%</i>																									
68	Business Support	<i>N/A</i>																									
69	Non-recurring opex	<i>N/A</i>																									
70	Total																										
71																											
72	[APPROVED] Operating expenditure NOT subject to scale escalation [\$M real as at 30 June 2017]																										
73	Distribution																										
74	Reliability Operations	<i>Network growth factor * 95%</i>																									
75	SCADA & Communications	<i>Network growth factor * 95%</i>																									
76	Non-revenue cap services	<i>N/A</i>																									
77	Network Operations	<i>Network growth factor * 30%</i>																									
78	Smartgrid	<i>N/A</i>																									
79	Maintenance Strategy	<i>N/A</i>																									
80	Preventive Condition	<i>Network growth factor * 95%</i>																									
81	Preventive Routine	<i>Network growth factor * 95%</i>																									
82	Corrective Deferred	<i>Network growth factor * 95%</i>																									
83	Corrective Emergency	<i>Network growth factor * 95%</i>																									
84	Call Centre	<i>Customer numbers factor * 95%</i>																									
85	Metering	<i>Customer numbers factor * 95%</i>																									
86	Guaranteed service level payments	<i>N/A</i>																									
87	Design & Estimating - Distribution Quotations	<i>N/A</i>																									
88	Business Support	<i>N/A</i>																									
89	IT	<i>N/A</i>																									
90	Non-recurring opex	<i>N/A</i>																									
91	Total																										
92																											
93	Transmission																										
94	SCADA & Communications	<i>Network growth factor * 95%</i>																									
95	Non-revenue cap services	<i>N/A</i>																									

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD] Gain Sharing Mechanism (GSM)

		2	3	4	5	6	7	8	9	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##				
4 Gain Sharing Mechanism (GSM)																															
5 Year ending 30 June																															
96	Network Operations					<i>Network growth factor * 30%</i>							0.12	0.09	0.06	-	0.02	-	0.10												
97	Maintenance Strategy					<i>N/A</i>							-	-	-	-	-	-	-												
98	Preventive Condition					<i>Network growth factor * 95%</i>							1.86	1.77	1.69		1.60		1.73												
99	Preventive Routine					<i>Network growth factor * 95%</i>							3.32	3.15	3.00		2.82		3.05												
100	Corrective Deferred					<i>Network growth factor * 95%</i>							1.88	1.78	1.69		1.58		1.69												
101	Corrective Emergency					<i>Network growth factor * 95%</i>							0.41	0.39	0.38		0.36		0.39												
102	Business Support					<i>N/A</i>							44.14	44.21	44.20		45.86		46.35												
103	Non-recurring opex					<i>N/A</i>							3.32	1.94	1.74		1.98		2.63												
104	Total												57.24	55.39	54.72		56.01		57.72												
106 Adjusted EIB [\$M real as at 30 June 2017]																															
107	Total non-capital cost												495.61	498.57	490.95		482.25		490.76												
108	less forecast superannuation costs for defined benefit schemes												- 3.18	- 3.25	- 3.33		- 3.40		- 3.47												
109	less forecast non-revenue cap services cost												-	-	-		-		-												
110	less forecast licence fees												- 0.05	- 0.05	- 0.05		- 0.05		- 0.05												
111	less forecast energy safety levy												- 4.54	- 4.54	- 4.54		- 4.54		- 4.54												
112	less network control service												-	-	-		-		-												
113	less amounts payable under ERA costs (Electricity Network Access Funding Regulations)												- 0.96	- 1.49	- 1.37		- 1.28		- 1.29												
114	Efficiency and innovation benchmark (adjusted)												486.88	489.24	481.67		472.98		481.41												
116 ABS Calculation																															
117 Year ending 30 June																															
118	[ACTUAL] Operating expenditure subject to scale escalation [\$M real as at 30 June 2017]												2013	2014	2015		2016		2017												
119	Total actual non-capital cost												530.85	510.56	481.91		511.87		456.78												
120	Woodpole												-	-	10.50		12.90		5.52												
121	less D-Factor Scheme												- 2.11	- 1.78	- 1.66		- 1.54		- 0.62												
122	less Technical rule changes												-	-	-		-		-												
123	less Unforeseen events												-	-	-		-		-												
124	less actual superannuation costs for defined benefit schemes												- 0.09	- 0.52	-		- 0.28		- 0.28												
125	less actual non-revenue cap services cost												- 34.05	- 17.50	- 16.62		- 17.67		- 17.23												
126	less actual licence fees												- 0.06	- 0.05	- 0.35		-		-												
127	less actual energy safety levy												- 4.32	- 4.30	- 4.28		- 4.40		- 4.43												
128	less network control service												-	-	-		-		-												
129	less amounts payable under ERA costs (Electricity Network Access Funding Regulations)												- 0.76	- 0.83	- 0.41		- 0.79		- 0.52												
130	A _t												489.45	485.59	469.09		500.08		439.20												
131																															
132	ABS _t												- 2.57	6.22	8.93		- 39.67		69.31												
134 Service standard benchmark performance																															
135 Year ending 30 June																															
136	Service standards [1 = Standard met, 0 = Standard NOT met]												2013	2014	2015		2016		2017												
137	Distribution																														
138	SAIDI - CBD												1	1	1		1		1												
139	SAIDI - Urban												1	1	1		1		1												
140	SAIDI - Rural Short												1	1	1		1		1												

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD] Gain Sharing Mechanism (GSM)

		2	3	4	5	6	7	8	9	##	##	##	##	##	##	##	##	##	##	##	##	##	
4 Gain Sharing Mechanism (GSM)																							
5 Year ending 30 June																							
141	SAIDI - Rural Long																						
142	SAIFI - CBD																						
143	SAIFI - Urban																						
144	SAIFI - Rural Short																						
145	SAIFI - Rural Long																						
146	Call centre performance																						
147	Streetlight reference services																						
148	Street Lighting repair time - Metropolitan area																						
149	Street Lighting repair time - Regional area																						
150																							
151	Transmission																						
152	Circuit Availability																						
153	System Minutes Interrupted - Meshed																						
154	System Minutes Interrupted - Radial																						
155	Loss of Supply Event Frequency >0.1																						
156	Loss of Supply Event Frequency >1																						
157	Average Outage Duration																						
158	All SSBs met																						
159																							
160	GSM Calculation																						
161	Year ending 30 June																						
162	GSM calculation [\$M real as at 30 June 2017]																						
163	ABS																						
164	Total ABSt adjusted for service standar performance																						
165																							
166	GSMA																						
167	Distribution - GSMAt																						
168	Transmission - GSMAt																						
169	Total - GSMAt																						
170																							
171	GSMA [\$M Nominal]																						
172	Distribution - GSMAt																						
173	Transmission - GSMAt																						
174	Total - GSMAt																						
175																							
176	GSM Allocation Workings																						
177	Year ending 30 June																						
178	Adjusted EIB [\$M real as at 30 June 2017]																						
179	Distribution																						
180	Total non-capital cost																						
181	less forecast superannuation costs for defined benefit schemes																						
182	less forecast non-revenue cap services cost																						
183	less forecast licence fees																						
184	less forecast energy safety levy																						
185	less network control service																						

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD] Gain Sharing Mechanism (GSM)

	2	3	4	5	6	7	8	9	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##
4 Gain Sharing Mechanism (GSM)																											
5 Year ending 30 June																											
186 less amounts payable under ERA costs (Electricity Network Access Funding Regulations)	-	0.62	-	0.99	-	0.93	-	0.92	-	0.94																	
187 Distribution - Efficiency and innovation benchmark (adjusted)	375.85	379.02	371.68	361.49	367.84																						
188																											
189 Transmission																											
190 Total non-capital cost	114.10	113.35	112.97	114.09	116.07																						
191 less forecast superannuation costs for defined benefit schemes	-	1.12	-	1.09	-	1.07	-	0.95	-	0.93																	
192 less forecast non-revenue cap services cost	-	-	-	-	-																						
193 less forecast licence fees	-	0.02	-	0.02	-	0.02	-	0.01	-	0.01																	
194 less forecast energy safety levy	-	1.60	-	1.53	-	1.46	-	1.27	-	1.21																	
195 less network control service	-	-	-	-	-																						
196 less amounts payable under ERA costs (Electricity Network Access Funding Regulations)	-	0.34	-	0.50	-	0.44	-	0.36	-	0.35																	
197 Transmission - Efficiency and innovation benchmark (adjusted)	111.03	110.21	109.99	111.49	113.57																						
198	486.88	489.24	481.67	472.98	481.41																						
199 Actual operating expenditure subject to scale escalation [\$M real as at 30 June 2017]																											
200 Distribution																											
201 Total actual non-capital cost	403.07	388.24	361.41	385.34	351.13																						
Woodpole	-	-	10.50	12.90	5.50																						
203 less D-Factor Scheme	-	2.11	-	1.78	-	1.66	-	1.54	-	0.62																	
204 less Technical rule changes	-	-	-	-	-																						
205 less Unforeseen events	-	-	-	-	-																						
206 less actual superannuation costs for defined benefit schemes	-	0.06	-	0.39	-	-	-	0.21	-	0.21																	
207 less actual non-revenue cap services cost	-	20.47	-	12.73	-	13.14	-	12.19	-	13.21																	
208 less actual licence fees	-	0.04	-	0.03	-	0.35	-	-	-	-																	
209 less actual energy safety levy	-	2.87	-	2.88	-	4.28	-	3.11	-	3.13																	
210 less network control service	-	-	-	-	-																						
211 less amounts payable under ERA costs (Electricity Network Access Funding Regulations)	-	0.51	-	0.55	-	0.41	-	0.56	-	0.37																	
212 Distribution - A _t	377.01	369.86	352.08	380.64	339.10																						
213																											
214 Transmission																											
215 Total actual non-capital cost	127.78	122.32	120.50	126.53	105.65																						
216 less D-Factor Scheme	-	-	-	-	-																						
217 less Technical rule changes	-	-	-	-	-																						
218 less Unforeseen events	-	-	-	-	-																						
219 less actual superannuation costs for defined benefit schemes	-	0.03	-	0.12	-	-	-	0.08	-	0.08																	
220 less actual non-revenue cap services cost	-	13.58	-	4.77	-	3.48	-	5.49	-	4.03																	
221 less actual licence fees	-	0.02	-	0.02	-	-	-	-	-	-																	
222 less actual energy safety levy	-	1.45	-	1.42	-	-	-	1.29	-	1.30																	
223 less network control service	-	-	-	-	-																						
224 less amounts payable under ERA costs (Electricity Network Access Funding Regulations)	-	0.26	-	0.27	-	-	-	0.23	-	0.15																	
225 Transmission - A _t	112.44	115.73	117.02	119.44	100.09																						
226																											
227 Distribution - ABS _t	-	1.16	10.32	10.44	-	38.76	47.90																				
228 Transmission - ABS _t	-	1.41	-	4.10	-	1.52	-	0.92	21.43																		
229 Total - ABS _t	-	2.57	6.22	8.93	-	39.67	69.33																				
230																											

ERA Western Power AA4 Revenue Model, February 2019 [Post FD]
Gain Sharing Mechanism (GSM)

		2	3	4	5	6	7	8	9	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022																
4	Gain Sharing Mechanism (GSM)																									
5	Year ending 30 June																									
231	Service Standard Benchmark Performance																									
232	Year ending 30 June																									
233	Service standards [1 = Standard met, 0 = Standard NOT met]																									
234																										
235																										
236																										
237	GSM calculation [\$M real as at 30 June 2017]																									
238																										
239																										
240																										
241																										
242																										
244	Western Power Proposed Allocation																									
249																										
250																										
251																										
252	EIB inputs reconciliation																									
253	[APPROVED] Scale escalation																									
254	Year ending 30 June																									
255																										
256																										
257																										
258																										
259																										
260																										
261																										
262																										
263																										
264																										
265																										
266																										
267	Adjusting EIB for difference between actual and forecast scale escalation																									
268	[APPROVED] Operating expenditure subject to scale escalation with FORECAST scale escalation (\$M real 30 June 2017)																									
269	Year ending 30 June																									
270	Distribution																									
271																										
272																										
273																										
274																										
275																										

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD] Gain Sharing Mechanism (GSM)

2	3	4	5	6	7	8	9	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##	##
4 Gain Sharing Mechanism (GSM)																							
5 Year ending 30 June																							
276	Maintenance Strategy	N/A																					
277	Preventive Condition	Network growth factor * 95%								45.45	46.36	47.29	48.23	49.19									
278	Preventive Routine	Network growth factor * 95%								42.07	44.46	45.34	46.25	47.17									
279	Corrective Deferred	Network growth factor * 95%								29.45	30.04	30.64	31.25	31.87									
280	Corrective Emergency	Network growth factor * 95%								67.91	69.26	70.65	72.06	73.49									
281	Call Centre	Customer numbers factor * 95%								7.97	8.15	8.34	8.53	8.73									
282	Metering	Customer numbers factor * 95%								21.94	22.44	22.96	23.48	24.02									
283	Guaranteed service level payments	N/A								-	-	-	-	-									
284	Design & Estimating - Distribution Quotations	N/A								-	-	-	-	-									
285	Business Support	N/A								-	-	-	-	-									
286	IT	N/A								-	-	-	-	-									
287	Non-recurring opex	N/A								-	-	-	-	-									
288	Total									237.39	243.54	248.26	253.08	258.00									
289																							
290	Transmission																						
291	SCADA & Communications	Network growth factor * 95%								11.31	11.53	11.76	12.00	12.23									
292	Non-revenue cap services	N/A								-	-	-	-	-									
293	Network Operations	Network growth factor * 30%								10.72	10.79	10.86	10.92	10.99									
294	Maintenance Strategy	N/A								-	-	-	-	-									
295	Preventive Condition	Network growth factor * 95%								9.14	9.33	9.51	9.70	9.90									
296	Preventive Routine	Network growth factor * 95%								16.05	16.37	16.70	17.03	17.37									
297	Corrective Deferred	Network growth factor * 95%								9.38	9.57	9.76	9.96	10.15									
298	Corrective Emergency	Network growth factor * 95%								0.86	0.87	0.89	0.91	0.93									
299	Business Support	N/A								-	-	-	-	-									
300	Non-recurring opex	N/A								-	-	-	-	-									
301	Total									57.46	58.46	59.48	60.52	61.57									
302																							
303	[APPROVED] Operating expenditure NOT subject to scale escalation (\$M real 30 June 2017)																						
304	Year ending 30 June									2013	2014	2015	2016	2017									
305	Distribution																						
306	Reliability Operations	Network growth factor * 95%								0.33	0.32	0.30	0.28	0.31									
307	SCADA & Communications	Network growth factor * 95%								0.91	0.86	0.82	0.77	0.84									
308	Non-revenue cap services	N/A								-	-	-	-	-									
309	Network Operations	Network growth factor * 30%								0.19	0.14	0.09	-0.01	-0.13									
310	Smartgrid	N/A								5.54	4.42	5.30	6.92	8.44									
311	Maintenance Strategy	N/A								-	-	-	-	-									
312	Preventive Condition	Network growth factor * 95%								20.32	19.79	19.35	7.17	8.49									
313	Preventive Routine	Network growth factor * 95%								7.35	7.04	6.68	6.24	6.69									
314	Corrective Deferred	Network growth factor * 95%								5.18	4.91	4.68	4.39	4.71									
315	Corrective Emergency	Network growth factor * 95%								13.75	13.04	12.43	11.69	12.60									
316	Call Centre	Customer numbers factor * 95%								0.10	0.08	0.07	0.02	-0.04									
317	Metering	Customer numbers factor * 95%								0.47	0.40	0.35	0.22	0.08									
318	Guaranteed service level payments	N/A								1.89	1.88	1.88	1.87	1.85									
319	Design & Estimating - Distribution Quotations	N/A								4.63	4.62	4.75	4.74	4.74									
320	Business Support	N/A								74.39	74.22	73.45	75.93	76.52									

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD] Gain Sharing Mechanism (GSM)

		2	3	4	5	6	7	8	9	##	##	##	##	##	##	##	##	##	##	##	##	##	##
4 Gain Sharing Mechanism (GSM)																							
5 Year ending 30 June																							
321	IT		N/A																				
322	Non-recurring opex		N/A																				
323	Total																						
324																							
325	Transmission																						
326	SCADA & Communications		Network growth factor * 95%																				
327	Non-revenue cap services		N/A																				
328	Network Operations		Network growth factor * 30%																				
329	Maintenance Strategy		N/A																				
330	Preventive Condition		Network growth factor * 95%																				
331	Preventive Routine		Network growth factor * 95%																				
332	Corrective Deferred		Network growth factor * 95%																				
333	Corrective Emergency		Network growth factor * 95%																				
334	Business Support		N/A																				
335	Non-recurring opex		N/A																				
336	Total																						
337																							
338 Adjustd EIB (\$M real 30 June 2017)																							
339 Year ending 30 June																							
340	Total non-capital cost																						
341	less forecast superannuation costs for defined benefit schemes																						
342	less forecast non-revenue cap services cost																						
343	less forecast licence fees																						
344	less forecast energy safety levy																						
345	less network control service																						
346	less amounts payable under ERA costs (Electricity Network Access Funding Regulations)																						
347	Efficiency and innovation benchmark (adjusted) [\$M real as at 30 June 2017]																						
348	Efficiency and innovation benchmark (adjusted) [\$M real as at 30 June 2012]																						
349	Efficiency and innovation benchmark as per Access Arrangement [\$M real as at 30 June 2012]																						
350	Reconciliation																						

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Distribution Cost of Service

	2	3	4	5	6	7	8	9	21	22	23	24	25	26
4 Year Ending 30 June									2017	2018	2019	2020	2021	2022
5 Financial year ending									30/06/2017	30/06/2018	30/06/2019	30/06/2020	30/06/2021	30/06/2022
6 Days									365	365	365	366	365	365
7 Project Year									11	12	13	14	15	16
8 Regulatory Period									AA3			AA4		
9 Modelled Inflation														
10 Actual & Forecast Inflation									1.93%	1.84%	1.84%	1.84%	1.84%	1.84%
11 End of year Inflation factor									1.000	1.018	1.037	1.056	1.076	1.095
12 Post-tax WACC														
13 Real									3.60%	3.95%	3.95%	3.95%	3.95%	3.95%
14 Nominal										5.87%	5.87%	5.87%	5.87%	5.87%
15 Real WACC deflating factor										0.962	0.925	0.890	0.856	0.824
16 Nominal WACC deflating factor										0.945	0.892	0.843	0.796	0.752
17 Asset Value									2017	2018	2019	2020	2021	2022
18 Asset Value (Real \$ M 30/06/17)														
19 Opening Asset Value									5,723.09	5,798.41	6,008.63	6,205.56	6,433.22	6,565.64
20 Capex									357.43	472.26	479.43	511.24	401.52	401.43
21 Depreciation									-281.50	-257.67	-275.60	-279.21	-269.10	-261.86
22 Accelerated Depreciation									-	-4.37	-6.90	-4.37	-	-
23 Redundant Assets									-0.62	-	-	-	-	-
24 Closing Asset Value									5,798.41	6,008.63	6,205.56	6,433.22	6,565.64	6,705.22
25 Asset Value									2017	2018	2019	2020	2021	2022
26 Asset Value (Nominal \$ m)														
27 Opening balance (start period)									5,614.52	5,798.41	6,119.19	6,436.02	6,794.91	7,062.38
28 Inflation on opening value									108.568	106.691	112.593	118.423	125.026	129.948
29 Opening balance (end period)									5,723.09	5,905.10	6,231.78	6,554.45	6,919.93	7,192.33
30 Capex									357.43	480.95	497.24	539.99	431.90	439.75
31 Depreciation									-281.50	-262.41	-285.84	-294.91	-289.45	-286.85
32 Accelerated depreciation									-	-4.45	-7.16	-4.61	-	-
33 Redundant Assets									-0.62	-	-	-	-	-
34 Closing balance									5,798.41	6,119.19	6,436.02	6,794.91	7,062.38	7,345.22
35 Deferred Revenue Account (Real \$M 30/06/17)									2017	2018	2019	2020	2021	2022
36 Deferred Revenue Account														
37 Opening Value									693.85	685.05	676.58	667.77	658.62	649.11
38 Payment to Principal						42.00 years			-8.81	-8.47	-8.80	-9.15	-9.51	-9.89
39 Closing Asset Value									685.05	676.58	667.77	658.62	649.11	639.22
40 Deferred Revenue Recovery (Real Annuity)														
41 Payment to Principal									8.81	8.47	8.80	9.15	9.51	9.89
42 Return on Opening Value									25.01	27.08	26.75	26.40	26.04	25.66
43 Revenue Recovery to be added to CoS									33.813	35.552	35.552	35.552	35.552	35.552
44														
45 Working Capital (Nominal \$ m)									2017	2018	2019	2020	2021	2022
46 Expenses														
47 Opex									351.13	278.73	280.75	285.83	296.77	298.28
48 Capex									357.43	480.95	497.24	539.99	431.90	439.75
49 Total Expenses									708.56	759.68	777.99	825.81	728.66	738.03
50 Working Capital														
51 Receivables						45.00 days				149.724	150.722	146.501	142.325	138.230

ERA Western Power AA4 Revenue Model, February 2019 [Post FD]

Distribution Cost of Service

	2	3	4	5	6	7	8	9	21	22	23	24	25	26	
4 Year Ending 30 June									2017	2018	2019	2020	2021	2022	
5 Financial year ending									30/06/2017	30/06/2018	30/06/2019	30/06/2020	30/06/2021	30/06/2022	
6 Days									365	365	365	366	365	365	
7 Project Year									11	12	13	14	15	16	
8 Regulatory Period									AA3			AA4			
52 Tariff equalisation									-	-	-	-	-	-	
53 Inventory									4.00%	19.24	19.89	21.60	17.28	17.59	
54 Prepayment									0.00%						
55 Creditors									26.09 days	-54.30	-55.61	-58.87	-52.08	-52.75	
56 End of year working capital									118.86	114.66	115.00	109.23	107.52	103.07	
57 Working Capital									-	-	-	-	-	-	
58 Opening Balance									118.86	114.66	114.66	115.00	109.23	107.52	
59 Variation									-4.20	0.34	-5.77	-5.77	-1.72	-4.45	
60 Closing Balance									114.66	115.00	115.00	109.23	107.52	103.07	
61															
62 Cost of Service (Nominal \$ m)									2017	2018	2019	2020	2021	2022	
63 Gross Cost of Service															
									PV	Sum					
64 Opex									1,215.24	1,440.35	278.73	280.75	285.83	296.77	298.28
65 Depreciation									1,197.60	1,419.47	262.41	285.84	294.91	289.45	286.85
66 Accelerated Depreciation									14.48	16.22	4.45	7.16	4.61	-	-
67 Redundant Assets									-	-	-	-	-	-	-
68 Deferred Revenue Recovery									158.48	187.82	36.21	36.87	37.55	38.24	38.95
69 Tax									343.26	394.57	152.41	65.65	62.81	51.61	62.08
70 Imputation Credits									-171.63	-197.29	-76.21	-32.83	-31.41	-25.81	-31.04
71 Tariff Equalisation									718.08	846.17	167.60	198.58	162.00	157.00	161.00
72 Return on Assets									1,588.69	1,889.60	340.15	358.97	377.56	398.61	414.30
73 Inflationary gain in return on asset									-498.30	-592.68	-106.69	-112.59	-118.42	-125.03	-129.95
74 Return on Working Capital									28.12	33.16	6.97	6.73	6.75	6.41	6.31
75 Cost of Service									4,594.01	5,437.39	1,066.04	1,095.12	1,082.19	1,087.26	1,106.78
76 Additional deferred revenue									-	-	-	-	-	-	-
77 Cost of Service (adjusted)									4,594.01	5,437.39	1,066.04	1,095.12	1,082.19	1,087.26	1,106.78
78															
79 Net Cost of Service (Nominal \$ m)									2017	2018	2019	2020	2021	2022	
80 Gross CoS									4,594.01	5,437.39	1,066.04	1,095.12	1,082.19	1,087.26	1,106.78
81 Non-revenue cap services revenue									-	-	-	-	-	-	-
82 IAM Revenue Adjustment									-6.87	-7.28	-	-	-	-	-
83 SSAM Revenue Adjustment									231.56	245.15	245.14515				
84 Unforeseen Events Revenue Adjustment									-	-	-	-	-	-	-
85 Technical Rule Change Revenue Adjustment									-	-	-	-	-	-	-
86 D-Factor Revenue Adjustment									8.41	8.90	8.901				
87 GSM Revenue Adjustment									142.20	171.13	27.854	30.40	30.95	24.23	57.70
88 k-factor adjustment									35.02	37.08	37.077				
89 Net Cost of Service									5,004.33	5,892.37	1,377.736	1,125.52	1,113.15	1,111.49	1,164.48
90 Net CoS excluding K factor									4,969.31	5,855.29	1,340.66	1,125.52	1,113.15	1,111.49	1,164.48
91											1,264.45	1,092.69	1,081.74	1,085.68	1,133.44
92 Smoothed Cost of Service									2017	2018	2019	2020	2021	2022	
93 Smoothed Cost of service (Nominal \$ m)															
94 Net Revenue Cap Service Revenue = Net CoS									5,004.33	5,892.37	1,377.74	1,125.52	1,113.15	1,111.49	1,164.48

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Distribution Cost of Service

	2	3	4	5	6	7	8	9	21	22	23	24	25	26
4 Year Ending 30 June									2017	2018	2019	2020	2021	2022
5 Financial year ending									30/06/2017	30/06/2018	30/06/2019	30/06/2020	30/06/2021	30/06/2022
6 Days									365	365	365	366	365	365
7 Project Year									11	12	13	14	15	16
8 Regulatory Period									AA3			AA4		
95														
96 Smoothed Revenue					5,004.33		5,904.12		1,235.04	1,214.43	1,222.52	1,191.54	1,154.42	1,121.20
97 Delta PV					-0.00					163.31	-97.01	-78.40	-42.93	43.28
98					OK									
99 Energy Transported (GWh)					56,906.21				13,769	13,691	13,656	13,505	13,276	13,083
100 Annual Average Tariff					87.94				89.70	88.70	89.52	88.23	86.96	85.70
101 Annual tariff variation									7.21%	-1.11%	0.92%	-1.44%	-1.44%	-1.44%
102														
103 RECONCILIATION									2017	2018	2019	2020	2021	2022
104 Net cash flow analysis (Nominal \$ m)					PV									
105 Smoothed Revenue Cap Services Revenue					5,004.33				1,377.74	1,125.52	1,113.15	1,111.49	1,164.48	
106 (-) additional deferred revenue from transmission					-				-	-	-	-	-	
107 Opex					-1,215.24				-278.73	-280.75	-285.83	-296.77	-298.28	
108 Capex					-2,027.58				-480.95	-497.24	-539.99	-431.90	-439.75	
109 Non-revenue cap services revenue					-				-	-	-	-	-	
110 Tax Payable					-343.26				-152.413	-65.652	-62.814	-51.615	-62.080	
111 Less Value of Imputation Credits					171.63				76.206	32.826	31.407	25.807	31.040	
112 Tariff Equalisation					-718.08				-167.599	-198.575	-162.000	-157.000	-161.000	
113 IAM Revenue Adjustment					6.87				7.278	-	-	-	-	
114 SSAM Revenue Adjustment					-231.56				-245.145	-	-	-	-	
115 Unforeseen Events Revenue Adjustment					-				-	-	-	-	-	
116 Technical Rule Change Revenue Adjustment					-				-	-	-	-	-	
117 D-Factor Revenue Adjustment					-8.41				-8.901	-	-	-	-	
118 GSM Revenue Adjustment					-142.20				-27.854	-30.395	-30.954	-24.227	-57.703	
119 K-Factor					-35.02				-37.077	-	-	-	-	
120 Asset Opening Value					-5,798.41				-5,798.406					
121 Asset Closing Value					5,523.52								7,345.223	
122 Deferred Revenue Opening Value					-685.05				-685.045					
123 Defferred Revenue closing Value					526.57								700.232	
124 Opening Value of Working Capital					-118.86				-118.859					
125 Closing Value of working capital					77.50								103.067	
126 Working capital variation					13.24				4.199	-0.341	5.768	1.716	4.450	
127 Net Cash Flow					-				-6,602.311	66.750	85.393	68.740	177.509	8,329.682
128					OK									

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Cost of Service

	2	3	4	5	6	7	8	9	21	22	23	24	25	26
4 Year Ending 30 June									2017	2018	2019	2020	2021	2022
5 Financial year ending									30/06/2017	30/06/2019	30/06/2019	30/06/2020	30/06/2021	30/06/2022
6 Days									365	365	365	366	365	365
7 Project Year									11	12	13	14	15	16
8 Regulatory Period									AA3			AA4		
9 Modelled Inflation														
10 Actual & Forecast Inflation									1.93%	1.84%	1.84%	1.84%	1.84%	1.84%
11 End of year Inflation factor									1.000	1.018	1.037	1.056	1.076	1.095
12 Post-tax WACC														
13 Real									3.60%	3.95%	3.95%	3.95%	3.95%	3.95%
14 Nominal										5.87%	5.87%	5.87%	5.87%	5.87%
15 Nominal WACC deflating factor										0.945	0.892	0.843	0.796	0.752
16 Asset Value (Real\$ M 30/06/17)									2017	2018	2019	2020	2021	2022
17 Asset Value														
18 Opening Asset Value									3,135.46	3,108.63	3,122.75	3,183.42	3,233.52	3,224.73
19 Capex									104.07	124.11	176.55	172.77	120.56	120.48
20 Depreciation									-129.44	-109.99	-115.89	-122.66	-129.35	-132.70
21 Accelerated Depreciation									-	-	-	-	-	-
22 Redundant Assets									-1.45	-	-	-	-	-
23 Closing Asset Value									3,108.63	3,122.75	3,183.42	3,233.52	3,224.73	3,212.51
24 Asset Value (Nominal \$M)									2017	2018	2019	2020	2021	2022
25 Asset Value														
26 Opening balance (start period)									3,075.98	3,108.63	3,180.21	3,301.64	3,415.31	3,468.70
27 Inflation on opening value									59.480	57.199	58.516	60.750	62.842	63.824
28 Opening balance (end period)									3,135.46	3,165.83	3,238.73	3,362.39	3,478.15	3,532.52
29 Capex									104.07	126.39	183.11	182.48	129.68	131.98
30 Depreciation									-129.44	-112.01	-120.19	-129.56	-139.14	-145.37
31 Accelerated depreciation									-	-	-	-	-	-
32 Redundant Assets									-1.45	-	-	-	-	-
33 Closing balance									3,108.63	3,180.21	3,301.64	3,415.31	3,468.70	3,519.14
34 Deferred Revenue Account									2017	2018	2019	2020	2021	2022
35 Deferred Revenue Account (Real \$ M 30/06/17)														
36 Opening Value									93.64	92.81	92.04	91.23	90.39	89.52
37 Payment to Principal						50.00	years		-0.82	-0.78	-0.81	-0.84	-0.87	-0.91
38 Closing Asset Value									92.81	92.04	91.23	90.39	89.52	88.61
39 Deferred Revenue Recovery (Real Annuity)														
40 Payment to Principal									0.82	0.78	0.81	0.84	0.87	0.91
41 Return on Opening Value									3.37	3.67	3.64	3.61	3.57	3.54
42 Revenue Recovery to be added to CoS									4.198	4.446	4.446	4.446	4.446	4.446
43 Working Capital (Nominal \$ m)									2017	2018	2019	2020	2021	2022
44 Expenses														
45 Opex									105.65	88.68	88.65	89.95	93.07	92.66
46 Capex									104.07	126.39	183.11	182.48	129.68	131.98
47 Total Expenses									209.71	215.07	271.75	272.43	222.75	224.64
48 Working Capital														
49 Receivables						45.00	days			35.40	36.07	44.15	54.06	65.76
50 Inventory						4.00%				5.06	7.32	7.30	5.19	5.28

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Cost of Service

	2	3	4	5	6	7	8	9	21	22	23	24	25	26
4	Year Ending 30 June								2017	2018	2019	2020	2021	2022
5	Financial year ending								30/06/2017	30/06/2018	30/06/2019	30/06/2020	30/06/2021	30/06/2022
6	Days								365	365	365	366	365	365
7	Project Year								11	12	13	14	15	16
8	Regulatory Period								AA3			AA4		
51	Prepayment					0.00%				-	-	-	-	-
52	Creditors					26.09	days			-15.37	-19.42	-19.42	-15.92	-16.06
53	End of year Working Capital							18.30	25.08	23.97	32.03	43.33	54.98	
54	Working Capital													
55	Opening Value								18.30	25.08	23.97	32.03	43.33	
56	Variation								6.79	-1.11	8.06	11.30	11.65	
57	Closing Value							18.30	25.08	23.97	32.03	43.33	54.98	
58														
59	Cost of Service (Nominal \$ m)								2017	2018	2019	2020	2021	2022
60	Gross Cost of Service													
						PV	Sum							
61	Opex					382.44	453.00			88.68	88.65	89.95	93.07	92.66
62	Depreciation					542.32	646.26			112.01	120.19	129.56	139.14	145.37
63	Accelerated Depreciation					-	-			-	-	-	-	-
64	Redundant Assets					-	-			-	-	-	-	-
65	Deferred Revenue Recovery					19.82	23.49			4.53	4.61	4.70	4.78	4.87
66	Tax					100.26	119.03			24.62	21.36	22.26	22.42	28.36
67	Imputation Credits					-50.13	-59.51			-12.31	-10.68	-11.13	-11.21	-14.18
68	Tariff Equalisation					-	-							
69	Return on Assets					814.48	966.45			182.36	186.56	193.69	200.35	203.49
70	Inflationary gain in return on asset					-255.46	-303.13			-57.20	-58.52	-60.75	-62.84	-63.82
71	Return on Working Capital					6.92	8.37			1.07	1.47	1.41	1.88	2.54
72	Cost of Service					1,560.64	1,853.96			343.77	353.65	369.68	387.59	399.28
73	Net Cost of Service													
74	Gross CoS					1,560.64	1,853.96			343.77	353.65	369.68	387.59	399.28
75	Non-revenue cap services revenue					-	-			-	-	-	-	-
76	IAM Revenue Adjustment					-34.45	-36.47			-36.467				
77	SSAM Revenue Adjustment					12.84	13.59			13.593				
78	Unforeseen Events Revenue Adjustment					-	-			-				
79	Technical Rule Change Revenue Adjustment					-	-			-				
80	D-Factor Revenue Adjustment					-	-			-				
81	GSM Revenue Adjustment					44.90	54.04			8.796	9.598	9.775	7.651	18.222
82	k-factor adjustment					1.18	1.25			1.248				
83	Net Cost of Service					1,585.11	1,886.38			330.94	363.24	379.46	395.24	417.50
84	Net Cost of Service (excluding k factor)					1,583.94	1,885.13			329.69	363.24	379.46	395.24	417.50
85	Smoothed Cost of Service (Nominal \$ m)								2017	2018	2019	2020	2021	2022
86	Net Revenue Cap Service Revenue = Net CoS					1,585.11	1,886.38			330.935	363.245	379.456	395.238	417.502
87														
88	Smoothed Revenue					1,585.11			290.14	287.14	292.56	359.11	438.51	533.38
89	Delta PV					0.00				43.80	70.69	20.35	-43.27	-115.88
90						OK								
91	Energy Transported (GWh)					74,283.51			17,764	17,698	17,663	17,628	17,502	17,309
92	Annual Average Tariff					90.39			16.33	16.22	16.56	20.37	25.05	30.82

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Transmission Cost of Service

	2	3	4	5	6	7	8	9	21	22	23	24	25	26
4	Year Ending 30 June													
5	Financial year ending													
6	Days													
7	Project Year													
8	Regulatory Period													
93	Annual tariff variation								-10.13%	-0.67%	2.09%	22.99%	22.99%	22.99%
94														
95														
96	RECONCILIATION								2017	2018	2019	2020	2021	2022
97	Net cash flow analysis [\$M Nominal]													
									PV					
98	Smoothed Revenue Cap Services Revenue					1,585.11				330.9	363.2	379.5	395.2	417.5
99	Opex					-382.44				-88.7	-88.6	-90.0	-93.1	-92.7
100	Capex					-639.05				-126.4	-183.1	-182.5	-129.7	-132.0
101	Non-revenue cap services revenue					-				-	-	-	-	-
102	Tax Payable					-100.26				-24.6	-21.4	-22.3	-22.4	-28.4
103	Less Value of Imputation Credits					50.13				12.3	10.7	11.1	11.2	14.2
104	IAM Revenue Adjustment					34.45				36.5	-	-	-	-
105	SSAM Revenue Adjustment					-12.84				-13.6	-	-	-	-
106	Unforeseen Events Revenue Adjustment					-				-	-	-	-	-
107	Technical Rule Change Revenue Adjustment					-				-	-	-	-	-
108	D-Factor Revenue Adjustment					-				-	-	-	-	-
109	GSM Revenue Adjustment					-44.90				-8.8	-9.6	-9.8	-7.7	-18.2
110	K-Factor					-1.18				-1.2	-	-	-	-
111	Asset Opening Value					-3,108.63			-3,108.6					
112	Asset Closing Value					2,646.35								3,519.1
113	Deferred Revenue Opening Value					-92.81			-92.8					
114	Defferred Revenue closing Value					73.00								97.1
115	Opening Value of Working Capital					-18.30			-18.3					
116	Closing Value of working capital					41.35								55.0
117	Working capital variation					-29.97				-6.8	1.1	-8.1	-11.3	-11.7
118	Net Cash Flow					-			-3,219.7	109.6	72.3	78.1	142.3	3,820.0
119														OK

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD]

Incentive Rate Input

	2	3	4	5	6	7	8
4							
5	VCRs weighted to WA						
6	VCRs by feeder type escalated by CPI (\$/KWh) \$ real as at 30 June 2017						
7							
8							
9							
10							
11							
12	Value of customer reliability (VCR) - AER STPIS approach						
13	WA - energy consumption (for 12 months) GWh						
14							
15							
16							
17							
18							
19	SSAM Incentive Rate Input (\$ real as at 30 June 2017)						
20	Ratio of unplanned SAIDI to unplanned SAIFI						
21							
22							
23							
24							
25							
26	Revenue at risk						
27							
28							
29							
30							
31							
32							
33							
34	Transmission revenue at risk to determine incentive rate						
35							
36							
37							
38							
39							
40	Distribution revenue at risk to determine incentive rate						
41							
42							
43	AA4 SSB and SSAM Target						
44	Distribution Reference Service Benchmark - Statistical output						
45							
46							
47							

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD] Incentive Rate Input

	2	3	4	5	6	7	8
48	URBAN SAIFI		0.89	1.06	1.27	1.27	1.06
49	Rural Short SAIDI		152.73	175.84	215.43	215.4	175.8
50	Rural Short SAIFI		1.65	1.90	2.34	2.34	1.90
51	Rural Long SAIDI		612.17	649.10	848.28	848.3	649.1
52	Rural Long SAIFI		3.89	4.45	5.70	5.70	4.45
53	Call Centre Performance		0.87	0.92	0.94	86.8%	92.1%
54	Streetlighting repair time – metropolitan areas					5.0	N/A
55	Streetlighting repair time –regional areas					9.0	N/A
56							
57	Adjustments to Distribution Reference Service Benchmark						
58	CBD SAIDI	(SSB)	SST	SSB	SSB	SST	
59	CBD SAIFI	-	-	-	0.0	0.0	0.0
60	URBAN SAIDI	-	5.00	-	0.0	5.0	0.0
61	URBAN SAIFI	-	0.03	-	0.0	0.03	0.0
62	Rural Short SAIDI	-	12.80	-	0.0	12.8	0.0
63	Rural Short SAIFI	-	0.06	-	0.0	0.06	0.0
64	Rural Long SAIDI	-	28.54	-	0.0	28.5	0.0
65	Rural Long SAIFI	-	0.16	-	0.0	-0.16	0.0
66	Call Centre Performance	-	0.00	-	0.0%	0.0%	0.0%
67	Streetlighting repair time – metropolitan areas				5.0	N/A	
68	Streetlighting repair time –regional areas				9.0	N/A	
69							
70	Distribution Reference Service Benchmark						
71	CBD SAIDI	(SSB)	SST	SSB	SSB	SST	
72	CBD SAIFI	N/A	17.7	33.7	33.7	17.7	0.12
73	URBAN SAIDI	N/A	106.8	130.6	130.6	106.8	1.09
74	URBAN SAIFI	N/A	1.09	1.27	1.27	1.09	188.6
75	Rural Short SAIDI	N/A	188.6	215.4	215.4	188.6	1.96
76	Rural Short SAIFI	N/A	1.96	2.34	2.34	1.96	677.6
77	Rural Long SAIDI	N/A	677.6	848.3	848.3	677.6	4.29
78	Rural Long SAIFI	N/A	4.29	5.70	5.70	4.29	92.0%
79	Call Centre Performance	86.8%	92.0%	93.7%	86.8%	92.0%	
80	Streetlighting repair time – metropolitan areas				5.0	N/A	
81	Streetlighting repair time –regional areas				9.0	N/A	
82							
83	Transmission Reference Service Benchmark - statistical outputs						
84	Circuit availability	(SSB)	SST	SSB	SSB	SST	
85	Loss of supply event frequency >0.1 system minutes interrupted	97.79	98.50	98.88	97.8	98.5	17
86	Loss of supply event frequency >1 system minutes interrupted	10.00	16.60	25.00	25	17	1
87	Average outage duration	-	1.00	3.00	3	1	860.0
88		657.07	859.80	1,234.01	1234.0	860.0	
89	Adjustment to Transmission Reference Service Benchmark						
90	Circuit availability	(SSB)	SST	SSB	SSB	SST	
91	Loss of supply event frequency >0.1 system minutes interrupted	-	-	-	0.0	0.0	0
92	Loss of supply event frequency >1 system minutes interrupted	-	1.00	2.00	2	1	-76.0
93	Average outage duration	-	75.80	-	0.0	-76.0	

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD] Incentive Rate Input

	2	3	4	5	6	7	8
4							
94							
95	Transmission Reference Service Benchmark						
96	Circuit availability		(SSB)	SST	SSB	SSB	SST
97	Loss of supply event frequency >0.1 system minutes interrupted	97.79	98.50	98.88	97.8	98.5	
98	Loss of supply event frequency >1 system minutes interrupted	10.00	16.60	25.00	25	17	
99	Average outage duration	-	2.00	5.00	5	2	
100		657.07	784.00	1,234.01	1234.0	784.0	
101	AA4 expected performance levels - SSAM targets						
102	CBD		SAIDI	SAIFI	CAIDI		
103	Urban	17.7	0.12	147.50			
104	Rural short	106.8	1.09	97.98			
105	Rural long	188.6	1.96	96.22			
		677.6	4.29	157.95			

ERA Western Power AA4 Revenue Model, February 2019 [Post FD] Incentive Rates

2	3	4	5
4			
5	Incentive rates calculations (\$ Real as at 30 June 2017)		
6	SAIDI Incentive Rates		\$/kWh
7	CBD		30.60
8	Urban		25.92
9	Rural short		25.14
10	Rural long		25.86
11			
12	Convert a SAIDI minute to MWh		MWh/minute
13	CBD		0.99
14	Urban		17.23
15	Rural short		5.69
16	Rural long		2.03
17			
18	SAIDI incentive rate (\$ per minute)		\$ per minute
19	CBD		30,215.0
20	Urban		446,660.0
21	Rural short		143,118.0
22	Rural long		52,503.0
23			
24	SAIFI (\$0.01 per event) Incentive Rate		\$/kWh
25	CBD		20.40
26	Urban		17.28
27	Rural short		16.76
28	Rural long		17.24
29			
30	Convert an event to MWh (assumes each event of average duration - CAIDI = SAIDI/SAIFI)		MWh/event
31	CBD		145.64
32	Urban		1,688.45
33	Rural short		547.79
34	Rural long		320.68
35			
36	SAIFI incentive rate (\$ per 0.01 event)		\$ per 0.01 event
37	CBD		29,711.0
38	Urban		291,763.0
39	Rural short		91,810.0
40	Rural long		55,285.0
41			
42	Call centre performance incentive rates		
43	<i>Call centre reward side incentive rate</i>		
44	Portion of revenue per % change in performance		0.04%
45	Reward side incentive rate per % change in performance	-	380,586.87
46			
47	Reward side incentive rate dollars per 0.1% change in performance	-	38,058.69
48			
49	SST		92.0%
50	PoE99		93.7%

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD] Incentive Rates

	2	3	4	5
4				
51	Difference		-1.7%	
52				
53	Reward side revenue at risk to PoE99		646,997.67	
54				
55	<i>Call centre penalty side incentive rate</i>			
56	Penalty side revenue at risk to PoE1	-	646,997.67	
57				
58	SST		92.0%	
59	PoE1		87%	
60	Difference		5.2%	
61				
62	Penalty side incentive rate per % change in performance	-	124,422.63	
63				
64	Penalty side incentive are dollars per 0.1% change in performance	-	12,442.26	
65				
66	Transmission revenue at risk			
67	Revenue at risk		1.0%	
68	Tranmission Revenue (AA4 average)	359,475,135		
69	Transmission Revenue at risk		3,594,751	
70				
71	Circuit Availability Incentive Rate			
72	<i>Circuit Availability reward side incentive rate</i>			
73	Portion of revenue at risk		50%	
74	Revenue at risk		1,797,376	
75				
76	PoE50		98.5	
77	PoE99		98.9	
78	Difference		-0.4	
79				
80	Reward side incentive rate dollars per 0.1% of total time	-	449,343.92	
81				
82	<i>Circuit Availability penalty side incentive rate</i>			
83	PoE50		98.5	
84	PoE1		97.8	
85	Difference		-0.7	
86				
87	Penalty side incentive rate dollars per 0.1% change in performance	-	256,767.95	
88				
89	Loss of Supply Event Frequency >0.1 system minutes interrupted incentive rates			
90	<i>Loss of supply event frequency >0.1, system minutes interrupted reward side incentive rate</i>			
91	Portion of revenue at risk		0.15	
92	Revenue at risk		539,212.70	
93				
94	PoE50		17	
95	PoE99		25	
96	Difference		8	

ERA Western Power AA4 Revenue Model, Febuary 2019 [Post FD] Incentive Rates

	2	3	4	5
4				
97				
98	Reward side incentive rate dollars per event		67,401.59	
99				
100	<i>Loss of supply event frequency >0.1, system minutes interrupted reward side incentive rate</i>			
101	PoE50		17	
102	PoE1		10	
103	Difference		7	
104				
105	Panelty side incentive rate dollars per event		77,030.39	
106				
107	Loss of Supply Event Frequency >1 system minutes interrupted incentive rates			
108	<i>Loss of supply event frequency >1, system minutes interrupted reward side incentive rate</i>			
109	Portion of revenue at risk		0.15	
110	Revenue at risk		539,212.70	
111				
112	PoE50		2	
113	PoE99		5	
114	Difference		3	
115				
116	Reward side incentive rate dollars per event		179,737.57	
117				
118	<i>Loss of supply event frequency >1, system minutes interrupted reward side incentive rate</i>			
119	PoE50		2	
120	PoE1		0	
121	Difference		2	
122				
123	Panelty side incentive rate dollars per event		269,606.35	
124				
125	Average outage duration			
126				
127	Portion of revenue at risk		20%	
128	Revenue at risk		718,950.27	
129				
130	PoE50		784	
131	PoE99		1234	
132	Difference		450	
133				
134	Reward side incentive rate dollars per event		1,597.67	
135				
136				
137	PoE50		784	
138	PoE1		657	
139	Difference		127	
140				
141	Panelty side incentive rate dollars per event		5,661.03	