

TEMPLATE EXPLANATION



This template must be used by the TNSP to report service performance information for the previous calendar year.

Yellow worksheets ('**Inputs - Performance**' and '**Inputs - Exclusions**') are for inputs, including performance and exclusion information. The TNSP only needs to enter data on these worksheets.

Purple worksheets '**S1**' to '**S6**' are the s-factor results based on the performance inputs from the 'Inputs - Performance' worksheet.

Blue worksheet '**Revenue Calculation**' quantifies the appropriate revenue to be applied to the s-factor results adjusted for CPI.

Red worksheet '**Outcomes**' shows the total performance, s-factor and financial incentive results based on the TNSP's performance in 'Inputs-Performance' and 'Revenue Calculation' worksheets.

ElectraNet - SERVICE STANDARDS PERFORMANCE

Performance Inputs							
S	Performance parameter	Collar	Target	Cap	Revenue at Risk	Performance (Without exclusions)	Performance (With exclusions)
S1	Total transmission circuit availability	99.02%	99.52%	99.68%	0.30%	98.682678%	99.412236%
S2	Critical circuit availability – peak	97.36%	99.12%	99.96%	0.10%	96.823401%	98.917478%
S3	Critical circuit availability – non-peak (zero weighting)	98.25%	99.37%	99.87%	0.00%	97.246020%	99.223322%
S4	Loss of supply event frequency (>0.05 system minutes)	9	7	4	0.20%	7	5
S5	Loss of supply event frequency (>0.2 system minutes)	4	2	0	0.20%	3	2
S6	Average outage duration (minutes)	323	203	83	0.20%	294.0556	250.5714

Revenue Determination Inputs	
TNSP:	ElectraNet
STPIS version:	March, 2011
Regulatory Determination	2013/14 - 2017/18
Base Year Allowed Revenue	\$ 284,000,000
Base Year	2013–14
X-factor	-2.68%
Commencement of regulatory year	1-Jul-13

Other inputs	
Assessment Period	2016
Financial year to affect revenue:	2017/18
Date prepared:	17 January 2017
Revision date:	
Circuit information	
Number of critical circuits	24
Number of non-critical circuits	88
Total circuits	112

Average outage duration information - performance without exclusions	
Number of connection point events	36
Total unplanned outage duration (system minutes)	10586

Average outage duration information - performance with exclusions	
Number of excluded connection point events	8
Total unplanned outage duration (system minutes)	7016
Total number of connection point events	28

Other Inputs						
Annual revenue adjusted for CPI	Mar-13	Mar-14	Mar-15	Mar-16	Mar-17	Mar-18
CPI	102.4	105.4	106.8	108.2		

S1	DALRYMPLE - WATTLE POINT 132KV LINE	INADVERTANT TRIP BY WATTLE POINT WINDFARM	3RD PARTY	9/05/2016	13:31:00	9/05/2016	13:31:00	0.00	DALRYMPLE - WATTLE POINT 132KV LINE	N/A	N/A	1.1 UNREGULATED TRANSMISSION ASSETS	INADVERTANT TRIP BY WATTLE POINT WINDFARM
S1	DALRYMPLE - WATTLE POINT 132KV LINE	INADVERTANT TRIP BY WATTLE POINT WINDFARM	3RD PARTY	9/05/2016	13:52:00	9/05/2016	14:38:00	0.77	DALRYMPLE - WATTLE POINT 132KV LINE	N/A	N/A	1.1 UNREGULATED TRANSMISSION ASSETS	INADVERTANT TRIP BY WATTLE POINT WINDFARM
S1	NEW OSBORNE - TIPS A 66 KV LINE 3	MAINTENANCE	CUSTOMER REQUEST	21/05/2016	11:07:00	21/05/2016	13:52:00	2.75	NEW OSBORNE - TIPS A 66 KV LINE 3	N/A	N/A	1.2 3RD PARTY OUTAGES	OUTAGE FOR BLACK START TEST
S1	NEW OSBORNE - TIPS A 66 KV LINE 4	MAINTENANCE	CUSTOMER REQUEST	21/05/2016	11:07:00	21/05/2016	13:52:00	2.75	NEW OSBORNE - TIPS A 66 KV LINE 4	N/A	N/A	1.2 3RD PARTY OUTAGES	OUTAGE FOR BLACK START TEST
S1	CANOWIE - HALLETT 275 KV LINE	TRIPPED DUE TO CANOWIE - ROBERTSTOWN 275KV LINE TRIPPED	DESIGN/CONSTRUCTION	25/05/2016	14:28:00	25/05/2016	16:32:00	2.07	CANOWIE - HALLETT 275 KV LINE	N/A	N/A	1.1 UNREGULATED TRANSMISSION ASSETS	TRIPPED DUE TO CANOWIE - ROBERTSTOWN 275KV LINE TRIPPED
S1	WATERLOO EAST - WATERLOO WINDFARM 132KV LINE	OUTAGE FOR ENERGY AUSTRALIA	CUSTOMER REQUEST	7/06/2016	07:56:00	7/06/2016	18:59:00	11.05	WATERLOO EAST - WATERLOO WINDFARM 132KV LINE	N/A	N/A	1.2 3RD PARTY OUTAGES	ISOLATION FOR ENERGY AUSTRALIA
S1	WATERLOO EAST - WATERLOO WINDFARM 132KV LINE	OUTAGE FOR ENERGY AUSTRALIA	CUSTOMER REQUEST	8/06/2016	08:51:00	8/06/2016	08:51:00	0.00	WATERLOO EAST - WATERLOO WINDFARM 132KV LINE	N/A	N/A	1.2 3RD PARTY OUTAGES	ISOLATION FOR ENERGY AUSTRALIA
S1	WATERLOO EAST - WATERLOO WINDFARM 132KV LINE	OUTAGE FOR ENERGY AUSTRALIA	CUSTOMER REQUEST	9/06/2016	14:57:00	9/06/2016	17:59:00	3.03	WATERLOO EAST - WATERLOO WINDFARM 132KV LINE	N/A	N/A	1.2 3RD PARTY OUTAGES	ISOLATION FOR ENERGY AUSTRALIA
S1	SNOWTOWN - SNOWTOWN WINDFARM 33KV LINE	MAINTENANCE	TRANSFORMER MAINTAINANCE	14/06/2016	11:56:00	19/06/2016	15:23:00	123.45	SNOWTOWN - SNOWTOWN WINDFARM 33KV LINE	N/A	N/A	1.1 UNREGULATED TRANSMISSION ASSETS	TRANSFORMER MAINTAINANCE
S1	MOUNT LOCK - HORNSDALE WIND FARM 1 275KV LINE	CONSTRUCTION	PROJECT WORK	16/06/2016	08:30:00	16/06/2016	10:26:00	1.93	MOUNT LOCK - HORNSDALE WIND FARM 1 275KV LINE	N/A	N/A	1.1 UNREGULATED TRANSMISSION ASSETS	PROJECT WORK
S1	DAVENPORT - PLAYFORD 275 KV LINE 1	MAINTENANCE	CUSTOMER REQUEST	17/06/2016	13:53:00	N/A	N/A	N/A	DAVENPORT - PLAYFORD 275 KV LINE 1	N/A	N/A	1.2 3RD PARTY OUTAGES	ISOLATION FOR ALINTA ENERGY
S1	DAVENPORT - PLAYFORD A HOUSE 132KV LINE	MAINTENANCE	CUSTOMER REQUEST	17/06/2016	16:23:00	N/A	N/A	N/A	DAVENPORT - PLAYFORD A HOUSE 132KV LINE	N/A	N/A	1.2 3RD PARTY OUTAGES	ISOLATION FOR ALINTA ENERGY
S1	MURRAYLINK REDCLIFFS C/S - MURRAYLINK BERRI C/S 150KV LINE	OUTAGE FOR MAINTENANCE	CUSTOMER REQUEST	22/06/2016	04:30:00	22/06/2016	19:19:00	14.82	MURRAYLINK REDCLIFFS C/S - MURRAYLINK BERRI C/S 150KV LINE	N/A	N/A	1.2 3RD PARTY OUTAGES	SUPERVISORY SHUTDOWN FOR APA CONTRACTOR
S1	MT BARKER SOUTH - CHERRY GARDENS 275 KV LINE	OUTAGE < 1 MINUTE	ENVIRONMENTAL / STORM / WIND	24/06/2016	01:47:00	24/06/2016	01:47:00	0.00	MT BARKER SOUTH - CHERRY GARDENS 275 KV LINE	N/A	N/A	TRANSIENT INTERRUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1	PELICAN POINT - PELICAN POINT GT11 275 KV LINE	MAINTENANCE	CUSTOMER REQUEST	27/06/2016	09:15:00	30/06/2016	13:42:00	76.45	PELICAN POINT - PELICAN POINT GT11 275 KV LINE	N/A	N/A	1.2 3RD PARTY OUTAGES	ISOLATION FOR GDF SUEZ
S1	PELICAN POINT - PELICAN POINT ST18 275 KV LINE	MAINTENANCE	CUSTOMER REQUEST	27/06/2016	10:00:00	30/06/2016	13:59:00	75.98	PELICAN POINT - PELICAN POINT ST18 275 KV LINE	N/A	N/A	1.2 3RD PARTY OUTAGES	ISOLATION FOR GDF SUEZ
S1	DAVENPORT - NORTHERN POWER STATION 275 KV LINE 1	MAINTENANCE	CUSTOMER REQUEST	29/06/2016	08:34:00	N/A	N/A	N/A	DAVENPORT - NORTHERN POWER STATION 275 KV LINE 1	N/A	N/A	1.2 3RD PARTY OUTAGES	DECOMMISSIONED FOR ALINTA ENERGY
S1	DAVENPORT - NORTHERN POWER STATION 275 KV LINE 2	MAINTENANCE	CUSTOMER REQUEST	29/06/2016	10:43:00	N/A	N/A	N/A	DAVENPORT - NORTHERN POWER STATION 275 KV LINE 2	N/A	N/A	1.2 3RD PARTY OUTAGES	DECOMMISSIONED FOR ALINTA ENERGY
S1	MT BARKER - MOBILONG (MBR-HAHN NO.2 PUMP TO MOBILONG)	OUTAGE < 1 MINUTE	ENVIRONMENTAL / STORM / WIND	11/07/2016	06:31:00	11/07/2016	06:31:00	0.00	MT BARKER - MOBILONG (MBR-HAHN NO.2 PUMP TO MOBILONG)	N/A	N/A	TRANSIENT INTERRUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1	MT BARKER - MOBILONG (MBR-HAHN NO.3 PUMP TO KANMANTOO MINE)	OUTAGE < 1 MINUTE	ENVIRONMENTAL / STORM / WIND	11/07/2016	06:31:00	11/07/2016	06:31:00	0.00	MT BARKER - MOBILONG (MBR-HAHN NO.3 PUMP TO KANMANTOO MINE)	N/A	N/A	TRANSIENT INTERRUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1	MT BARKER - MOBILONG (MBR-HAHN NO.3)	OUTAGE < 1 MINUTE	ENVIRONMENTAL / STORM / WIND	11/07/2016	06:31:00	11/07/2016	06:31:00	0.00	MT BARKER - MOBILONG (MBR-HAHN NO.3)	N/A	N/A	TRANSIENT INTERRUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1	MT BARKER - MOBILONG (NO.3 TO NO.2 MBR-HAHN PUMPS)	OUTAGE < 1 MINUTE	ENVIRONMENTAL / STORM / WIND	11/07/2016	06:31:00	11/07/2016	06:31:00	0.00	MT BARKER - MOBILONG (NO.3 TO NO.2 MBR-HAHN PUMPS)	N/A	N/A	TRANSIENT INTERRUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1	MT BARKER - MOBILONG (MBR-HAHN NO.2 PUMP TO MOBILONG)	OUTAGE < 1 MINUTE	ENVIRONMENTAL / STORM / WIND	11/07/2016	07:13:00	11/07/2016	07:13:00	0.00	MT BARKER - MOBILONG (MBR-HAHN NO.2 PUMP TO MOBILONG)	N/A	N/A	TRANSIENT INTERRUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1	MT BARKER - MOBILONG (MBR-HAHN NO.3 PUMP TO KANMANTOO MINE)	OUTAGE < 1 MINUTE	ENVIRONMENTAL / STORM / WIND	11/07/2016	07:13:00	11/07/2016	07:13:00	0.00	MT BARKER - MOBILONG (MBR-HAHN NO.3 PUMP TO KANMANTOO MINE)	N/A	N/A	TRANSIENT INTERRUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1	MT BARKER - MOBILONG (MBR-HAHN NO.3)	OUTAGE < 1 MINUTE	ENVIRONMENTAL / STORM / WIND	11/07/2016	07:13:00	11/07/2016	07:13:00	0.00	MT BARKER - MOBILONG (MBR-HAHN NO.3)	N/A	N/A	TRANSIENT INTERRUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1	MT BARKER - MOBILONG (NO.3 TO NO.2 MBR-HAHN PUMPS)	OUTAGE < 1 MINUTE	ENVIRONMENTAL / STORM / WIND	11/07/2016	07:13:00	11/07/2016	07:13:00	0.00	MT BARKER - MOBILONG (NO.3 TO NO.2 MBR-HAHN PUMPS)	N/A	N/A	TRANSIENT INTERRUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1	DALRYMPLE - WATTLE POINT 132KV LINE	TRIPPED DUE TO STORM	ENVIRONMENTAL / STORM / WIND	12/07/2016	11:20:00	12/07/2016	13:16:00	1.93	DALRYMPLE - WATTLE POINT 132KV LINE	N/A	N/A	1.1 UNREGULATED TRANSMISSION ASSETS	TRIPPED DUE TO STORM
S1	ARDROSSAN WEST - DALRYMPLE 132 KV LINE	OUTAGE < 1 MINUTE	ENVIRONMENTAL / STORM / WIND	12/07/2016	14:08:00	12/07/2016	14:08:00	0.00	ARDROSSAN WEST - DALRYMPLE 132 KV LINE	N/A	N/A	TRANSIENT INTERRUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1	PORT LINCOLN TERMINAL - SLEAFORD 132KV LINE	TRIPPED DUE TO LIGHTNING	ENVIRONMENTAL / LIGHTNING	22/07/2016	08:42:00	22/07/2016	11:09:00	2.45	PORT LINCOLN TERMINAL - SLEAFORD 132KV LINE	N/A	N/A	1.1 UNREGULATED TRANSMISSION ASSETS	TRIPPED DUE TO STORM
S1	ARDROSSAN WEST - DALRYMPLE 132 KV LINE	OUTAGE < 1 MINUTE	ENVIRONMENTAL / STORM / WIND	22/07/2016	19:53:00	22/07/2016	19:53:00	0.00	ARDROSSAN WEST - DALRYMPLE 132 KV LINE	N/A	N/A	TRANSIENT INTERRUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1	HUMMOCKS - WATERLOO 132 KV LINE	INADVERTANT TRIP CAUSED BY IN SERVICE PROTECTION MAINTENANCE	PLANT FAILURE/SECONDARY SYSTEMS	25/07/2016	11:53:00	25/07/2016	12:23:00	0.50	HUMMOCKS - WATERLOO 132 KV LINE	N/A	N/A	1.4 CIRCUIT OPENING FOR OPERATIONAL PURPOSES	INADVERTANT TRIP CAUSED BY IN SERVICE PROTECTION MAINTENANCE. LINE REMAINED ENERGISED.
S1	DALRYMPLE - WATTLE POINT 132KV LINE	TRIPPED DUE TO WATTLE POINT TRIPPING SCHEME	3RD PARTY	25/07/2016	11:53:00	25/07/2016	13:26:00	1.55	DALRYMPLE - WATTLE POINT 132KV LINE	N/A	N/A	1.1 UNREGULATED TRANSMISSION ASSETS	TRIPPED DUE TO WATTLE POINT TRIPPING SCHEME
S1	PELICAN POINT - PELICAN POINT GT12 275 KV LINE	TO DE-ENERGISE GT12	CUSTOMER REQUEST	26/07/2016	14:40:00	2/11/2016	05:31:00	2366.85	PELICAN POINT - PELICAN POINT GT12 275 KV LINE	N/A	N/A	1.2 3RD PARTY OUTAGES	ISOLATION FOR GDF SUEZ TO DE-ENERGISE GT12
S1	MT GAMBIE - SOUTH EAST 132KV LINE	INADVERTANT TRIP DUE TO INCORRECT ISOLATIONS	DESIGN/CONSTRUCTION	28/07/2016	12:23:00	28/07/2016	13:47:00	1.40	MT GAMBIE - SOUTH EAST 132KV LINE	N/A	N/A	1.4 CIRCUIT OPENING FOR OPERATIONAL PURPOSES	INADVERTANT TRIP DUE TO INCORRECT ISOLATIONS
S1	BLYTH WEST - BUNGAMA 275KV LINE	OUTAGE FOR SNOWTOWN SOUTH WF TESTING	CUSTOMER REQUEST	11/08/2016	10:34:00	11/08/2016	15:06:00	4.53	BLYTH WEST - BUNGAMA 275KV LINE	N/A	N/A	1.2 3RD PARTY OUTAGES	ISOLATION FOR TRUSTPOWER FOR SNOWTOWN SOUTH WF TESTING
S1	DAVENPORT - LEIGH CREEK 132KV LINE	OUTAGE < 1 MINUTE	PLANT FAILURE/OVERHEAD LINE/UNDERGROUND CABLES	11/08/2016	22:34:00	11/08/2016	22:34:00	0.00	DAVENPORT - LEIGH CREEK 132KV LINE	N/A	N/A	TRANSIENT INTERRUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1	MURRAYLINK REDCLIFFS C/S - MURRAYLINK BERRI C/S 150KV LINE	OUTAGE FOR MAINTENANCE	CUSTOMER REQUEST	15/08/2016	04:30:00	26/08/2016	11:31:00	271.02	MURRAYLINK REDCLIFFS C/S - MURRAYLINK BERRI C/S 150KV LINE	N/A	N/A	1.2 3RD PARTY OUTAGES	SUPERVISORY SHUTDOWN FOR APA CONTRACTOR
S1	MONASH - MURRAYLINK BERRI 132KV LINE	OUTAGE FOR MAINTENANCE	CUSTOMER REQUEST	15/08/2016	05:36:00	26/08/2016	11:03:00	269.45	MONASH - MURRAYLINK BERRI 132KV LINE	N/A	N/A	1.2 3RD PARTY OUTAGES	ISOLATION FOR APA CONTRACTOR
S1	MONASH - MURRAYLINK BERRI C/S 132KV LINE	OUTAGE FOR MAINTENANCE	TRANSFORMER MAINTAINANCE	18/08/2016	07:51:00	19/08/2016	11:40:00	27.82	MONASH - MURRAYLINK BERRI C/S 132KV LINE	N/A	N/A	1.1 UNREGULATED TRANSMISSION ASSETS	TRANSFORMER MAINTAINANCE
S1	ARDROSSAN WEST - DALRYMPLE 132 KV LINE	OUTAGE < 1 MINUTE	ENVIRONMENTAL / POLLUTION	24/08/2016	08:30:00	24/08/2016	08:30:00	0.00	ARDROSSAN WEST - DALRYMPLE 132 KV LINE	N/A	N/A	TRANSIENT INTERRUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1	TIPS B - CITY WEST 275 KV CABLE	ISOLATION FOR T2T PROJECT	PROJECT WORK	24/08/2016	19:17:00	2/11/2016	12:33:00	1673.27	TIPS B - CITY WEST 275 KV CABLE	N/A	N/A	1.2 3RD PARTY OUTAGES	ISOLATION FOR T2T PROJECT
S1	WATERLOO EAST - WATERLOO WINDFARM 132KV LINE	MAINTENANCE	NATIONAL GRID METERING MAINTENANCE	30/08/2016	07:56:00	30/08/2016	14:27:00	6.52	WATERLOO EAST - WATERLOO WINDFARM 132KV LINE	N/A	N/A	1.1 UNREGULATED TRANSMISSION ASSETS	NATIONAL GRID METERING MAINTENANCE
S1	HUMMOCKS - WATERLOO 132 KV LINE	OUTAGE < 1 MINUTE	ENVIRONMENTAL / LIGHTNING	30/08/2016	17:05:00	30/08/2016	17:05:00	0.00	HUMMOCKS - WATERLOO 132 KV LINE	N/A	N/A	TRANSIENT INTERRUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1	BLYTH WEST - BUNGAMA 275KV LINE	OUTAGE < 1 MINUTE	ENVIRONMENTAL / LIGHTNING	30/08/2016	17:18:00	30/08/2016	17:18:00	0.00	BLYTH WEST - BUNGAMA 275KV LINE	N/A	N/A	TRANSIENT INTERRUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1	WATERLOO - TEMPLERS132KV LINE	OUTAGE < 1 MINUTE	ENVIRONMENTAL / LIGHTNING	30/08/2016	17:29:00	30/08/2016	17:29:00	0.00	WATERLOO - TEMPLERS132KV LINE	N/A	N/A	TRANSIENT INTERRUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1	DAVENPORT - WHYALLA 1 132KV LINE	MAINTENANCE	CUSTOMER REQUEST	6/09/2016	08:16:00	6/09/2016	14:55:00	6.65	DAVENPORT - WHYALLA 1 132KV LINE	N/A	N/A	1.2 3RD PARTY OUTAGES	ISOLATION FOR ALINTA ENERGY

S1		DAVENPORT - WHYALLA 2 132KV LINE	MAINTENANCE	CUSTOMER REQUEST	6/09/2016	08:30:00	6/09/2016	15:05:00	6.58	DAVENPORT - WHYALLA 2 132KV LINE	N/A	N/A	1.2 3RD PARTY OUTAGES	ISOLATION FOR ALINTA ENERGY
S1		PORT LINCOLN TERMINAL - SLEAFORD 132KV LINE	MAINTENANCE	TO RESTORE SUPPLY TO PORT LINCOLN & SLEAFORD	8/09/2016	15:26:00	8/09/2016	16:25:00	0.98	PORT LINCOLN TERMINAL - SLEAFORD 132KV LINE	N/A	N/A	1.1 UNREGULATED TRANSMISSION ASSETS	TO RESTORE SUPPLY TO PORT LINCOLN & SLEAFORD
S1		ARDROSSAN WEST - DALRYMPLE 132 KV LINE	OUTAGE < 1 MINUTE	ENVIRONMENTAL / LIGHTNING	8/09/2016	15:59:00	8/09/2016	15:59:00	0.00	ARDROSSAN WEST - DALRYMPLE 132 KV LINE	N/A	N/A	TRANSIENT INTERUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1		WATERLOO EAST - WATERLOO WINDFARM 132KV LINE	TRIPPED DUE TO 33KV FAULT AT WINDFARM	3RD PARTY	15/09/2016	01:54:00	15/09/2016	04:17:00	2.38	WATERLOO EAST - WATERLOO WINDFARM 132KV LINE	N/A	N/A	1.1 UNREGULATED TRANSMISSION ASSETS	TRIPPED DUE TO 33KV FAULT AT WINDFARM
S1		DALRYMPLE - WATTLE POINT 132KV LINE	CONSTRUCTION	PROJECT WORK	22/09/2016	10:45:00	30/09/2016	15:38:00	196.88	DALRYMPLE - WATTLE POINT 132KV LINE	N/A	N/A	1.1 UNREGULATED TRANSMISSION ASSETS	PROJECT WORK
S1		HUMMOCKS - SNOWTOWN - BUNGAMA 132KV LINE	OUTAGE < 1 MINUTE	ENVIRONMENTAL / STORM / WIND	28/09/2016	10:01:00	28/09/2016	10:01:00	0.00	HUMMOCKS - SNOWTOWN - BUNGAMA 132KV LINE	N/A	N/A	TRANSIENT INTERUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1		BLYTH WEST - BUNGAMA 275KV LINE	OUTAGE < 1 MINUTE	ENVIRONMENTAL / LIGHTNING	28/09/2016	10:05:00	28/09/2016	10:05:00	0.00	BLYTH WEST - BUNGAMA 275KV LINE	N/A	N/A	TRANSIENT INTERUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1		BLYTH WEST - BUNGAMA 275KV LINE	OUTAGE < 1 MINUTE	ENVIRONMENTAL / LIGHTNING	28/09/2016	10:09:00	28/09/2016	10:09:00	0.00	BLYTH WEST - BUNGAMA 275KV LINE	N/A	N/A	TRANSIENT INTERUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1		BLYTH WEST - BUNGAMA 275KV LINE	OUTAGE < 1 MINUTE	ENVIRONMENTAL / LIGHTNING	28/09/2016	10:23:00	28/09/2016	10:23:00	0.00	BLYTH WEST - BUNGAMA 275KV LINE	N/A	N/A	TRANSIENT INTERUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1		HUMMOCKS - SNOWTOWN - BUNGAMA 132KV LINE	ENVIRONMENTAL / LIGHTNING	ENVIRONMENTAL / LIGHTNING	28/09/2016	10:58:00	28/09/2016	10:58:00	0.00	BLYTH WEST - BUNGAMA 275KV LINE	N/A	N/A	TRANSIENT INTERUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1		DAVENPORT - WHYALLA 1 132KV LINE	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	13:58:00	18/12/2016	16:53:00	1946.92	DAVENPORT - WHYALLA 1 132KV LINE	N/A	-0.197543%	1.6 FORCE MAJUERE	IMPACTED DUE TO STORM PRIOR SYSTEM BLACK
S1		HUMMOCKS - SNOWTOWN - BUNGAMA 132KV LINE	OUTAGE < 1 MINUTE	ENVIRONMENTAL / STORM / WIND	28/09/2016	15:19:00	28/09/2016	15:19:00	0.00	BLYTH WEST - BUNGAMA 275KV LINE	N/A	N/A	TRANSIENT INTERUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1		TEMPLERS WEST - BRINKWORTH 275 KV LINE	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:47:00	10/10/2016	18:20:00	290.55	TEMPLERS WEST - BRINKWORTH 275 KV LINE	N/A	-0.029481%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S1		PARA - ROBERTSTOWN 275KV LINE	FORCE MAJUERE	SYSTEM BLACK	28/09/2016	15:47:00	28/09/2016	22:40:00	6.88	PARA - ROBERTSTOWN 275KV LINE	N/A	-0.000698%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S1		MOUNT LOCK - DAVENPORT 275KV LINE	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48:00	12/10/2016	19:35:00	339.78	MOUNT LOCK - DAVENPORT 275KV LINE	N/A	-0.034476%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S1		HEYWOOD - SOUTH EAST 275KV LINE 2	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48:00	28/09/2016	16:52:00	1.07	HEYWOOD - SOUTH EAST 275KV LINE 2	N/A	-0.000108%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S1		HEYWOOD - SOUTH EAST 275KV LINE 1	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48:00	28/09/2016	18:12:00	2.40	HEYWOOD - SOUTH EAST 275KV LINE 1	N/A	-0.000244%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S1		PARA - MUNNO PARA 275 KV LINE	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48:00	29/09/2016	10:52:00	19.07	PARA - MUNNO PARA 275 KV LINE	N/A	-0.001935%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S1		BELALIE - DAVENPORT 275KV LINE	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48:00	10/10/2016	14:09:00	286.35	BELALIE - DAVENPORT 275KV LINE	N/A	-0.029054%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S1		YADNARIE - PORT LINCOLN TERMINAL 132 KV LINE	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48:00	30/09/2016	20:24:00	52.60	YADNARIE - PORT LINCOLN TERMINAL 132 KV LINE	N/A	-0.005337%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S1		BLANCHE - SNUGGERY 132 KV LINE	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48:00	28/09/2016	20:17:00	4.48	BLANCHE - SNUGGERY 132 KV LINE	N/A	-0.000455%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S1		TALEM BEND - KEITH 132 KV LINE 2	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48:00	28/09/2016	20:50:00	5.03	TALEM BEND - KEITH 132 KV LINE 2	N/A	-0.000511%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S1		KEITH - KINCRAIG 132KV LINE	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48:00	28/09/2016	20:53:00	5.08	KEITH - KINCRAIG 132KV LINE	N/A	-0.000516%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S1		PARA - ROSEWORTHY 132KV LINE	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48:00	28/09/2016	21:13:00	5.42	PARA - ROSEWORTHY 132KV LINE	N/A	-0.000550%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S1		DORRIEN - TEMPLERS 132 KV LINE	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48:00	28/09/2016	21:17:00	5.48	DORRIEN - TEMPLERS 132 KV LINE	N/A	-0.000556%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S1		WATERLOO - TEMPLERS 132 KV LINE	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48:00	28/09/2016	23:12:00	7.40	WATERLOO - TEMPLERS 132 KV LINE	N/A	-0.000751%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S1		TUNGKILLO - ROBERTSTOWN 275KV LINE	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48:00	28/09/2016	23:22:00	7.57	TUNGKILLO - ROBERTSTOWN 275KV LINE	N/A	-0.000768%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S1		WATERLOO EAST - MORGAN WHYALLA PS4 132 KV LINE	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48:00	28/09/2016	23:27:00	7.65	WATERLOO EAST - MORGAN WHYALLA PS4 132 KV LINE	N/A	-0.000776%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S1		ROBERTSTOWN - MORGAN WHYALLA PS4 132 KV LINE	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48:00	28/09/2016	23:27:00	7.65	ROBERTSTOWN - MORGAN WHYALLA PS4 132 KV LINE	N/A	-0.000776%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S1		MUNNO PARA - BLYTH WEST 275KV LINE	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48:00	29/09/2016	10:55:00	19.12	MUNNO PARA - BLYTH WEST 275KV LINE	N/A	-0.001940%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S1		DAVENPORT - BUNGAMA 275KV LINE	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48:00	29/09/2016	11:45:00	19.95	DAVENPORT - BUNGAMA 275KV LINE	N/A	-0.002024%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S1		CLARE NORTH - MINTARO 132KV LINE	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48:00	29/09/2016	12:59:00	21.18	CLARE NORTH - MINTARO 132KV LINE	N/A	-0.002149%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S1		BRINKWORTH - DAVENPORT 275 KV LINE	FORCE MAJUERE	SYSTEM BLACK	28/09/2016	17:56:00	18/12/2016	14:08:00	1940.20	BRINKWORTH - DAVENPORT 275 KV LINE	N/A	-0.196862%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S1		MURRAYLINK REDCLIFFS C/S - MURRAYLINK BERRI C/S 150KV LINE	MAINTENANCE	CUSTOMER REQUEST	29/09/2016	00:23:00	29/09/2016	01:30:00	1.12	MURRAYLINK REDCLIFFS C/S - MURRAYLINK BERRI C/S 150KV LINE	N/A	N/A	1.2 3RD PARTY OUTAGES	SUPERVISORY RESTORATION FOR APA
S1		MONASH - BERRI 66KV LINE	FORCE MAJUERE	SYSTEM BLACK	29/09/2016	01:20:00	29/09/2016	01:35:00	0.25	MONASH - BERRI 66KV LINE	N/A	-0.000025%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S1		BUNGAMA - REDHILL - BRINKWORTH 132KV LINE	MAINTENANCE	CONTINGENCY SWITCHING	29/09/2016	16:13:00	10/10/2016	15:21:00	263.13	BUNGAMA - REDHILL - BRINKWORTH 132KV LINE	N/A	N/A	1.2 3RD PARTY OUTAGES	AEMO DIRECTION - CONTINGENCY SWITCHING
S1		HUMMOCKS - SNOWTOWN - BUNGAMA 132KV LINE	MAINTENANCE	CONTINGENCY SWITCHING	29/09/2016	16:15:00	10/10/2016	15:18:00	263.05	HUMMOCKS - SNOWTOWN - BUNGAMA 132KV LINE	N/A	N/A	1.2 3RD PARTY OUTAGES	AEMO DIRECTION - CONTINGENCY SWITCHING
S1		DAVENPORT - CULTANA 2 275KV LINE	MAINTENANCE	VOLTAGE CONTROL	29/09/2016	19:58:00	5/10/2016	10:35:00	134.62	DAVENPORT - CULTANA 2 275KV LINE	N/A	N/A	1.3 OUTAGES TO CONTROL VOLTAGES	AEMO DIRECTION - VOLTAGE CONTROL
S1		WHYALLA CENTRAL - WHYALLA TERMINAL 132 KV LINE	FORCE MAJUERE	SYSTEM BLACK	29/09/2016	23:10:00	29/09/2016	23:11:00	0.02	WHYALLA CENTRAL - WHYALLA TERMINAL 132 KV LINE	N/A	-0.000002%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S1		REDHILL - CLEMENTS GAP WF 132KV LINE	INADVERTANT TRIP BY WINDFARM	3RD PARTY	30/09/2016	13:13:00	30/09/2016	18:02:00	4.82	REDHILL - CLEMENTS GAP WF 132KV LINE	N/A	N/A	1.1 UNREGULATED TRANSMISSION ASSETS	INADVERTANT TRIP SENT BY WINDFARM
S1		MURRAYLINK REDCLIFFS C/S - MURRAYLINK BERRI C/S 150KV LINE	OUTAGE FOR MAINTENANCE	CUSTOMER REQUEST	8/10/2016	08:35:00	8/10/2016	11:48:00	3.22	MURRAYLINK REDCLIFFS C/S - MURRAYLINK BERRI C/S 150KV LINE	N/A	N/A	1.2 3RD PARTY OUTAGES	SUPERVISORY SHUTDOWN FOR APA CONTRACTOR
S1		DALRYMPLE - WATTLE POINT 132KV LINE	CONSTRUCTION	PROJECT WORK	21/10/2016	08:18:00	21/10/2016	16:50:00	8.53	DALRYMPLE - WATTLE POINT 132KV LINE	N/A	N/A	1.1 UNREGULATED TRANSMISSION ASSETS	PROJECT WORK
S1		PORT LINCOLN TERMINAL - SLEAFORD 132KV LINE	MAINTENANCE	TRANSFORMER MAINTAINANCE	24/10/2016	08:00:00	28/10/2016	13:45:00	101.75	PORT LINCOLN TERMINAL - SLEAFORD 132KV LINE	N/A	N/A	1.1 UNREGULATED TRANSMISSION ASSETS	TRANSFORMER MAINTAINANCE
S1		NEW OSBORNE - TIPS A 66 KV LINE 3	MAINTENANCE	CUSTOMER REQUEST	29/10/2016	08:38:00	29/10/2016	13:35:00	4.95	NEW OSBORNE - TIPS A 66 KV LINE 3	N/A	N/A	1.2 3RD PARTY OUTAGES	ISOLATION FOR ORIGIN FOR BLACK START TEST
S1		NEW OSBORNE - TIPS A 66 KV LINE 4	MAINTENANCE	CUSTOMER REQUEST	29/10/2016	08:38:00	29/10/2016	13:35:00	4.95	NEW OSBORNE - TIPS A 66 KV LINE 4	N/A	N/A	1.2 3RD PARTY OUTAGES	ISOLATION FOR ORIGIN FOR BLACK START TEST
S1		BUNGAMA - BAROOTTA 132KV LINE	OUTAGE < 1 MINUTE	ENVIRONMENTAL / POLLUTION	3/11/2016	06:03:00	3/11/2016	06:03:00	0.00	BUNGAMA - BAROOTTA 132KV LINE	N/A	N/A	TRANSIENT INTERUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1		PORT LINCOLN TERMINAL - SLEAFORD 132KV LINE	CONSTRUCTION	PROJECT WORK	9/11/2016	17:04:00	9/11/2016	17:06:00	0.03	PORT LINCOLN TERMINAL - SLEAFORD 132KV LINE	N/A	N/A	1.1 UNREGULATED TRANSMISSION ASSETS	PROJECT WORK
S1		ARDROSSAN WEST - DALRYMPLE 132 KV LINE	OUTAGE < 1 MINUTE	ENVIRONMENTAL / STORM / WIND	11/11/2016	15:57:00	11/11/2016	15:57:00	0.00	ARDROSSAN WEST - DALRYMPLE 132 KV LINE	N/A	N/A	TRANSIENT INTERUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1		ARDROSSAN WEST - DALRYMPLE 132 KV LINE	OUTAGE < 1 MINUTE	ENVIRONMENTAL / LIGHTNING	11/11/2016	16:16:00	11/11/2016	16:16:00	0.00	ARDROSSAN WEST - DALRYMPLE 132 KV LINE	N/A	N/A	TRANSIENT INTERUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1		HUMMOCKS - SNOWTOWN - BUNGAMA 132KV LINE	OUTAGE < 1 MINUTE	ENVIRONMENTAL / STORM / WIND	11/11/2016	17:12:00	11/11/2016	17:12:00	0.00	HUMMOCKS - SNOWTOWN - BUNGAMA 132KV LINE	N/A	N/A	TRANSIENT INTERUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1		MONASH - NORTH WEST BEND 132KV LINE2	OUTAGE < 1 MINUTE	ENVIRONMENTAL / LIGHTNING	11/11/2016	17:29:00	11/11/2016	17:29:00	0.00	MONASH - NORTH WEST BEND 132KV LINE2	N/A	N/A	TRANSIENT INTERUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1		MONASH - NORTH WEST BEND 132KV LINE1	OUTAGE < 1 MINUTE	ENVIRONMENTAL / LIGHTNING	11/11/2016	17:56:00	11/11/2016	17:56:00	0.00	MONASH - NORTH WEST BEND 132KV LINE1	N/A	N/A	TRANSIENT INTERUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1		MONASH - NORTH WEST BEND 132KV LINE2	OUTAGE < 1 MINUTE	ENVIRONMENTAL / LIGHTNING	11/11/2016	18:06:00	11/11/2016	18:06:00	0.00	MONASH - NORTH WEST BEND 132KV LINE2	N/A	N/A	TRANSIENT INTERUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1		MONASH - NORTH WEST BEND 132KV LINE1	OUTAGE < 1 MINUTE	ENVIRONMENTAL / LIGHTNING	11/11/2016	18:21:00	11/11/2016	18:21:00	0.00	MONASH - NORTH WEST BEND 132KV LINE1	N/A	N/A	TRANSIENT INTERUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE
S1		MONASH - NORTH WEST BEND 132KV LINE2	OUTAGE < 1 MINUTE	ENVIRONMENTAL / LIGHTNING	11/11/2016	18:23:00	11/11/2016	18:23:00	0.00	MONASH - NORTH WEST BEND 132KV LINE2	N/A	N/A	TRANSIENT INTERUPTIONS LESS THAN ONE (1) MINUTE	SUCCESSFUL RECLOSE

Total
transmission
circuit
availability

S2	MUNNO PARA - BLYTH WEST 275KV LINE	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48.00	29/09/2016	10:55:00	7.12	MUNNO PARA - BLYTH WEST 275KV LINE	N/A	-0.009845%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S2	DAVENPORT - BUNGAMA 275KV LINE	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48.00	29/09/2016	11:45:00	7.95	DAVENPORT - BUNGAMA 275KV LINE	N/A	-0.010998%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S2	BRINKWORTH - DAVENPORT 275 KV LINE	FORCE MAJUERE	SYSTEM BLACK	28/09/2016	17:56.00	18/12/2016	14:08:00	674.07	BRINKWORTH - DAVENPORT 275 KV LINE	N/A	-0.932474%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S2													
S2													
S3	Single transmission line/substation redevelopment projects												
S3	TEMPLERS WEST - BRINKWORTH 275KV LINE	CAPITAL PROJECT	Para-Brinkworth-Davenport Hazard Mitiga	13/01/2016	8:18:00	24/01/2016	16:11:00	176.18	TEMPLERS WEST - BRINKWORTH 275 KV LINE	N/A	0.000000%	1.5 CAPPED OUTAGES	CAPPED AGGREGATE OUTAGE DURATION TO 336HRS
S3	TEMPLERS WEST - BRINKWORTH 275KV LINE	CAPITAL PROJECT	Para-Brinkworth-Davenport Hazard Mitiga	22/03/2016	7:15:00	22/03/2016	16:40:00	0.75	TEMPLERS WEST - BRINKWORTH 275 KV LINE	N/A	0.000000%	1.5 CAPPED OUTAGES	CAPPED AGGREGATE OUTAGE DURATION TO 336HRS
S3	BRINKWORTH - DAVENPORT 275 KV LINE	CAPITAL PROJECT	Para-Brinkworth-Davenport Hazard Mitiga	16/04/2016	8:05:00	19/04/2016	15:45:00	59.92	BRINKWORTH - DAVENPORT 275 KV LINE	N/A	-0.015051%	1.5 CAPPED OUTAGES	CAPPED AGGREGATE OUTAGE DURATION TO 336HRS
S3	TEMPLERS WEST - BRINKWORTH 275KV LINE	CAPITAL PROJECT	Para-Brinkworth-Davenport Hazard Mitiga	30/05/2016	9:26:00	5/06/2016	11:41:00	87.68	TEMPLERS WEST - BRINKWORTH 275 KV LINE	N/A	-0.063296%	1.5 CAPPED OUTAGES	CAPPED AGGREGATE OUTAGE DURATION TO 336HRS
S3	BRINKWORTH - DAVENPORT 275 KV LINE	CAPITAL PROJECT	Para-Brinkworth-Davenport Hazard Mitiga	26/07/2016	7:38:00	3/08/2016	15:08:00	120.37	BRINKWORTH - DAVENPORT 275 KV LINE	N/A	-0.086990%	1.5 CAPPED OUTAGES	CAPPED AGGREGATE OUTAGE DURATION TO 336HRS
S3	BRINKWORTH - DAVENPORT 275 KV LINE	CAPITAL PROJECT	Para-Brinkworth-Davenport Hazard Mitiga	6/09/2016	7:31:00	14/09/2016	12:34:00	120.48	BRINKWORTH - DAVENPORT 275 KV LINE	N/A	-0.086974%	1.5 CAPPED OUTAGES	CAPPED AGGREGATE OUTAGE DURATION TO 336HRS
S3	TEMPLERS WEST - BRINKWORTH 275KV LINE	CAPITAL PROJECT	Para-Brinkworth-Davenport Hazard Mitiga	16/11/2016	7:28:00	23/11/2016	13:13:00	108.53	TEMPLERS WEST - BRINKWORTH 275 KV LINE	N/A	-0.078348%	1.5 CAPPED OUTAGES	CAPPED AGGREGATE OUTAGE DURATION TO 336HRS
S3	TEMPLERS WEST - BRINKWORTH 275KV LINE	CAPITAL PROJECT	Para-Brinkworth-Davenport Hazard Mitiga	13/12/2016	7:53:00	21/12/2016	10:50:00	120.12	TEMPLERS WEST - BRINKWORTH 275 KV LINE	N/A	-0.086709%	1.5 CAPPED OUTAGES	CAPPED AGGREGATE OUTAGE DURATION TO 336HRS
S3													
S3	BELALIE - DAVENPORT 275KV LINE	CAPITAL PROJECT	Hornsedale (Mt Lock) Wind Farm Connecti	17/03/2016	8:11:00	21/03/2016	13:52:00	72.00	BELALIE - DAVENPORT 275KV LINE	N/A	0.000000%	1.5 CAPPED OUTAGES	CAPPED AGGREGATE OUTAGE DURATION TO 336HRS
S3	CANOWIE - DAVENPORT 275 KV LINE	CAPITAL PROJECT	Hornsedale (Mt Lock) Wind Farm Connecti	29/03/2016	8:13:00	5/04/2016	18:37:00	108.00	CANOWIE - DAVENPORT 275 KV LINE	N/A	0.000000%	1.5 CAPPED OUTAGES	CAPPED AGGREGATE OUTAGE DURATION TO 336HRS
S3	BELALIE - DAVENPORT 275KV LINE	CAPITAL PROJECT	Hornsedale (Mt Lock) Wind Farm Connecti	11/04/2016	12:19:00	11/04/2016	16:28:00	0.00	BELALIE - DAVENPORT 275KV LINE	N/A	0.000000%	1.5 CAPPED OUTAGES	CAPPED AGGREGATE OUTAGE DURATION TO 336HRS
S3	CANOWIE - DAVENPORT 275 KV LINE	CAPITAL PROJECT	Hornsedale (Mt Lock) Wind Farm Connecti	21/05/2016	6:19:00	26/05/2016	14:40:00	85.68	CANOWIE - DAVENPORT 275 KV LINE	N/A	-0.035865%	1.5 CAPPED OUTAGES	CAPPED AGGREGATE OUTAGE DURATION TO 336HRS
S3	MOUNT LOCK - CANOWIE 275KV LINE	CAPITAL PROJECT	Hornsedale (Mt Lock) Wind Farm Connecti	6/06/2016	7:50:00	15/06/2016	16:00:00	144.17	CANOWIE - DAVENPORT 275 KV LINE	N/A	-0.104070%	1.5 CAPPED OUTAGES	CAPPED AGGREGATE OUTAGE DURATION TO 336HRS
S3													
S3													
S3	SOUTH EAST - TAILLEM BEND 275 KV LINE	CAPITAL PROJECT	Heywood Interconnector Upgrade (10344)	4/07/2016	7:42:00	14/07/2016	19:45:00	144.30	SOUTH EAST - TAILLEM BEND 275 KV LINE 1	N/A	0.000000%	1.5 CAPPED OUTAGES	CAPPED AGGREGATE OUTAGE DURATION TO 336HRS
S3	SOUTH EAST - TAILLEM BEND 275 KV LINE	CAPITAL PROJECT	Heywood Interconnector Upgrade (10344)	16/07/2016	9:32:00	22/07/2016	20:18:00	94.77	SOUTH EAST - TAILLEM BEND 275 KV LINE 2	N/A	-0.016651%	1.5 CAPPED OUTAGES	CAPPED AGGREGATE OUTAGE DURATION TO 336HRS
S3													
S3	TEMPLERS WEST - BRINKWORTH 275 KV LINE	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:47:00	10/10/2016	18:20:00	204.00	TEMPLERS WEST - BRINKWORTH 275 KV LINE	N/A	-0.147263%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S3	PARA - ROBERTSTOWN 275KV LINE	FORCE MAJUERE	SYSTEM BLACK	28/09/2016	15:47:00	28/09/2016	22:40:00	2.67	PARA - ROBERTSTOWN 275KV LINE	N/A	-0.001925%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S3	MOUNT LOCK - DAVENPORT 275KV LINE	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48:00	12/10/2016	19:35:00	228.00	MOUNT LOCK - DAVENPORT 275KV LINE	N/A	-0.164588%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S3	HEYWOOD - SOUTH EAST 275KV LINE 2	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48:00	28/09/2016	16:52:00	0.00	HEYWOOD - SOUTH EAST 275KV LINE 2	N/A	0.000000%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S3	HEYWOOD - SOUTH EAST 275KV LINE 1	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48:00	28/09/2016	18:12:00	0.00	HEYWOOD - SOUTH EAST 275KV LINE 1	N/A	0.000000%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S3	PARA - MUNNO PARA 275 KV LINE	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48:00	29/09/2016	10:52:00	12.00	PARA - MUNNO PARA 275 KV LINE	N/A	-0.008663%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S3	BELALIE - DAVENPORT 275KV LINE	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48:00	10/10/2016	14:09:00	204.00	BELALIE - DAVENPORT 275KV LINE	N/A	-0.147263%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S3	TUNGKILLO - ROBERTSTOWN 275KV LINE	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48:00	28/09/2016	23:22:00	3.37	TUNGKILLO - ROBERTSTOWN 275KV LINE	N/A	-0.002430%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S3	MUNNO PARA - BLYTH WEST 275KV LINE	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48:00	29/09/2016	10:55:00	12.00	MUNNO PARA - BLYTH WEST 275KV LINE	N/A	-0.008663%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S3	DAVENPORT - BUNGAMA 275KV LINE	FORCE MAJUERE	NOT SPECIFIED	28/09/2016	15:48:00	29/09/2016	11:45:00	12.00	DAVENPORT - BUNGAMA 275KV LINE	N/A	-0.008663%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S3	BRINKWORTH - DAVENPORT 275 KV LINE	FORCE MAJUERE	SYSTEM BLACK	28/09/2016	17:56.00	18/12/2016	14:08:00	1266.13	BRINKWORTH - DAVENPORT 275 KV LINE	N/A	-0.913991%	1.6 FORCE MAJUERE	IMPACTED DURING SYSTEM BLACK EVENT
S3													
S3													

Exclusion calculation data	
Peak start	Peak finish
8:00	20:00
Off peak finish	Off peak start
8:00	20:00

Public holidays 2016	
1/01/2016	
26/01/2016	
14/03/2016	
25/03/2016	
26/03/2016	
28/03/2016	
25/04/2016	
13/06/2016	
3/10/2016	
26/12/2016	
27/12/2016	

No of weekdays in year (excl public holidays)		
1/01/2016	31/12/2016	251
No of weekend days		
1/01/2016	31/12/2016	115
Availability Circuit Hours		
		985564.8
Critical Circuit Avail - Peak Circ		
		72288
Critical Circuit Avail - Non Peak		
		138528
Capped Duration		
		336
Capped Duration		
		120
Capped Duration		
		216

ElectraNet - S1 - Total transmission circuit availability

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Total transmission circuit availability	98.80%	99.02%	99.52%	99.68%	99.90%
Weighting	-0.30%	-0.30%	0.00%	0.30%	0.30%

Performance Formulae	Formulae					Conditions				S- Calc 1	S- Calc 2		
Performance	=	-0.003000						Availability	<	99.02%	-0.003000	-0.003000	
	=	0.600000	x	Availability	+	-0.597120	99.02%	≤	Availability	≤	99.52%	-0.005024	-0.000647
	=	1.875000	x	Availability	+	-1.866000	99.52%	≤	Availability	≤	99.68%	-0.015700	-0.002021
	=	0.003000					99.68%	<	Availability			0.003000	0.003000

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Total transmission circuit availability	=	98.682678%	99.412236%
S-Factor	=	-0.300000%	-0.064659%

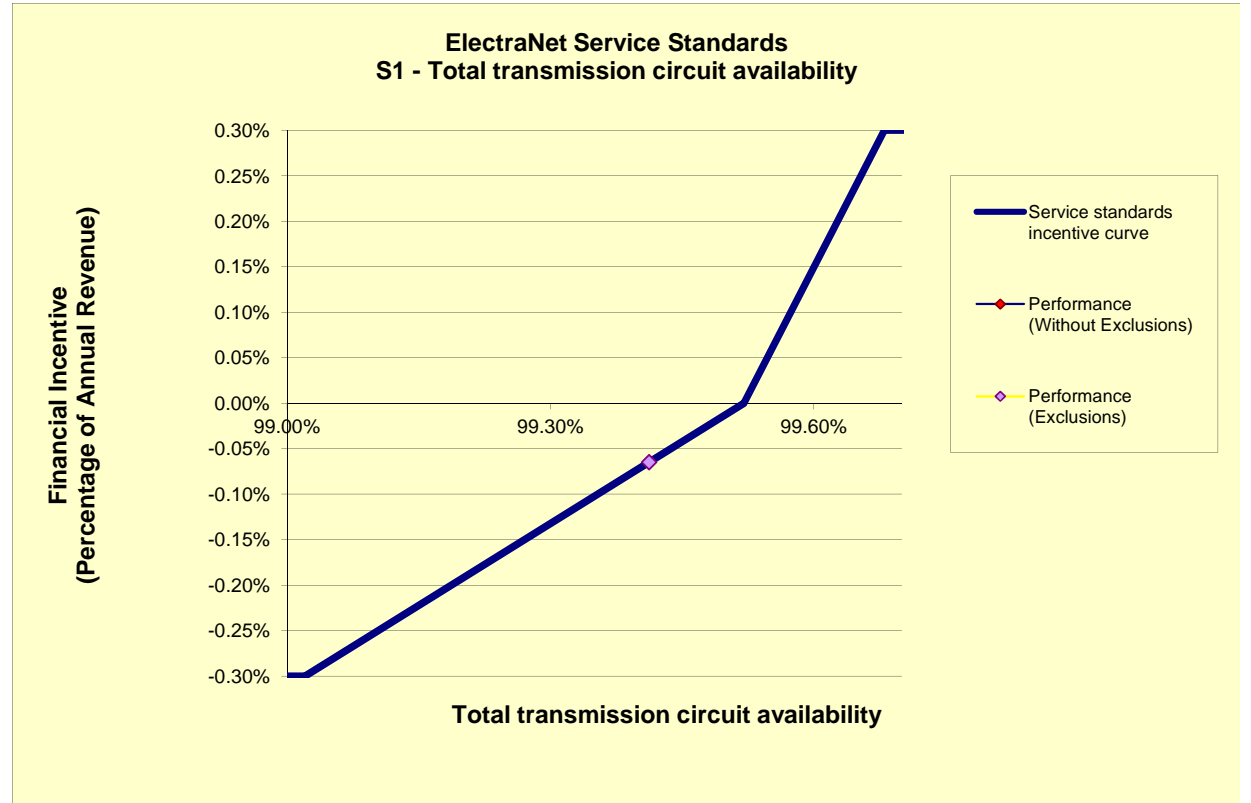
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ElectraNet - S2 - Critical circuit availability – peak

Performance Targets	Graph start	Collar	Target	Cap	Graph end
critical circuit availability – pe:	97.20%	97.36%	99.12%	99.96%	100.20%
Weighting	-0.10%	-0.10%	0.00%	0.10%	0.10%

Performance Formulae	Formulae					Conditions				S- Calc 1	S- Calc 2		
Performance	=	-0.001000				When:	Availability	<	97.36%	-0.001000	-0.001000		
	=	0.056818	x	Availability	+	-0.056318	97.36%	≤	Availability	≤	99.12%	-0.001305	-0.000115
	=	0.119048	x	Availability	+	-0.118000	99.12%	≤	Availability	≤	99.96%	-0.002734	-0.000241
	=	0.001000					99.96%	<	Availability			0.001000	0.001000

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
critical circuit availability – pe:	=	96.823401%	98.917478%
S-Factor	=	-0.100000%	-0.011507%

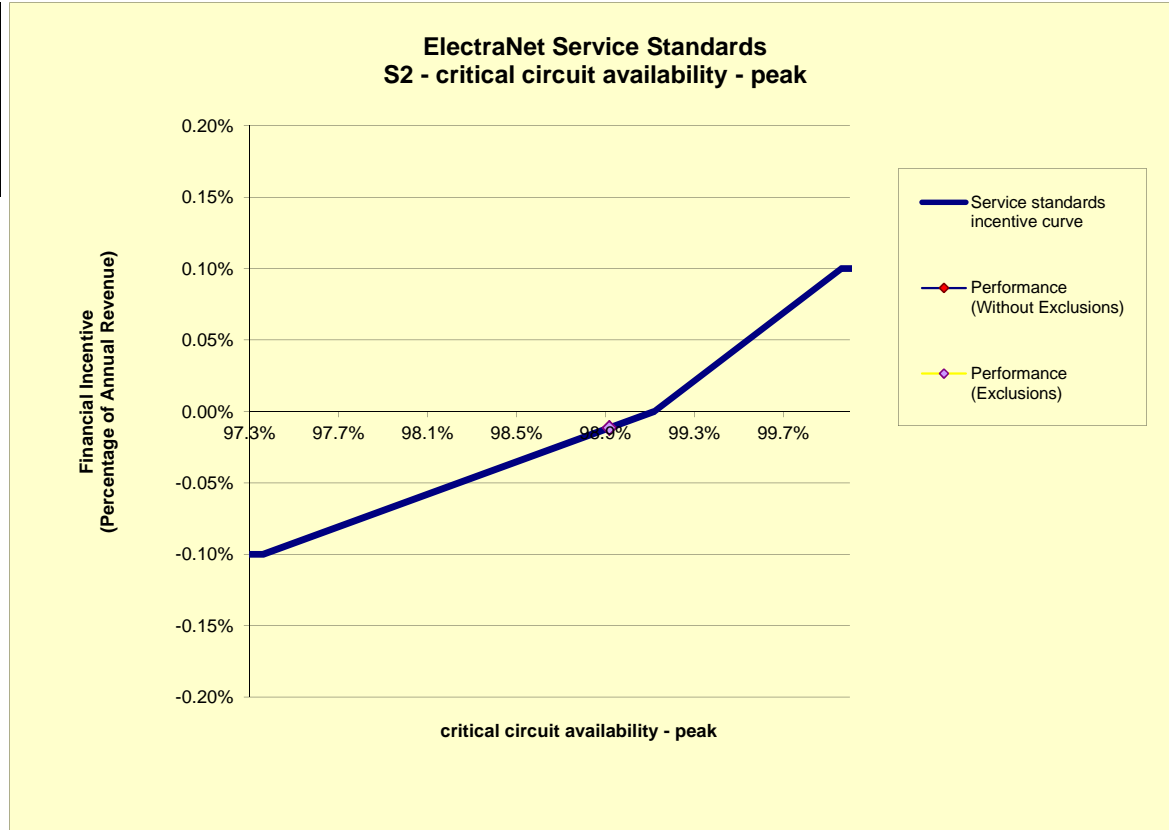
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ElectraNet - S3 - Critical circuit availability – non-peak (zero weighting)

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Circuit availability – non-peak (zero weighting)	98.10%	98.25%	99.37%	99.87%	100.10%
	0.00%	0.00%	0.00%	0.00%	0.00%

Performance Formulae	Formulae						Conditions			S- Calc 1	S- Calc 2		
Performance	=	0.000000					When:	Availability	<	98.25%	0.000000	0.000000	
	=	0.000000	x	Availability	+	0.000000	98.25%	≤	Availability	≤	99.37%	0.000000	0.000000
	=	0.000000	x	Availability	+	0.000000	99.37%	≤	Availability	≤	99.87%	0.000000	0.000000
	=	0.000000					99.87%	<	Availability			0.000000	0.000000

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Circuit availability – non-peak (zero weighting)	=	97.246020%	99.223322%
S-Factor	=	0.000000%	0.000000%

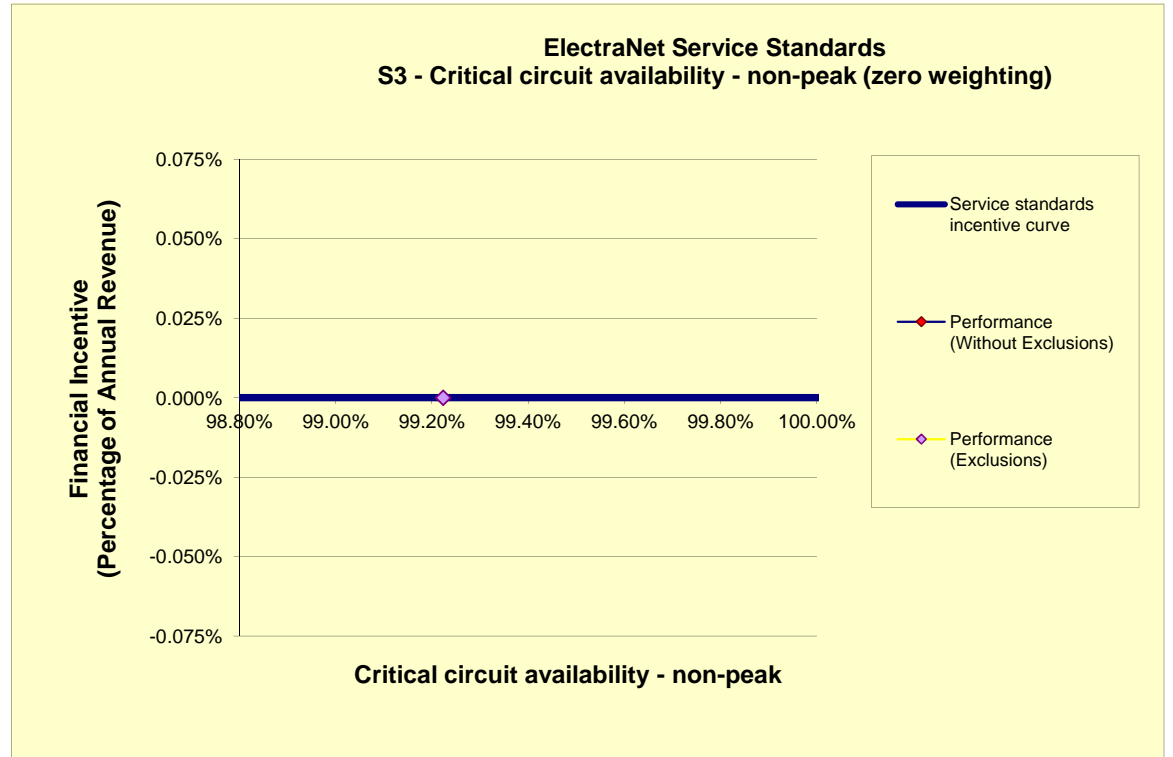
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ElectraNet - S4 - Loss of supply event frequency (>0.05 system minutes)

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Loss of supply event frequency (>0.05 system minutes)	11	9	7	4	-
Weighting	-0.20%	-0.200%	0.00%	0.200%	0.20%

Performance Formulae	Formulae					Conditions	S- Calc 1	S- Calc 2	
Performance	=	-0.002000				9 < No. of events	-0.002000	-0.002000	
	=	-0.001000	x	No. of events	+	0.007000	7 ≤ No. of events ≤ 9	0.000000	0.002000
	=	-0.000667	x	No. of events	+	0.004667	4 ≤ No. of events ≤ 7	0.000000	0.001333
	=	0.002000				No. of events < 4	0.002000	0.002000	

Loss of supply event frequency (>0.05 system minutes)	=	Performance (Without Exclusions)	Performance (Exclusions)
Loss of supply event frequency (>0.05 system minutes)	=	7	5
S-Factor	=	0.000000%	0.133333%

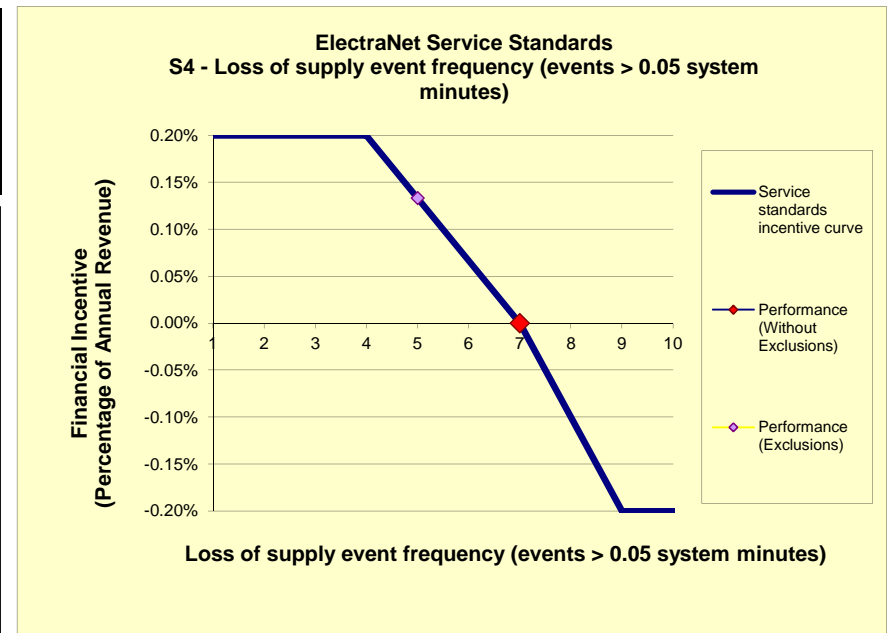
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ElectraNet - S5 - Loss of supply event frequency (>0.2 system minutes)

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Loss of supply event frequency (>0.2 system minutes)	6	4	2	0	0
Weighting	-0.20%	-0.200%	0.00%	0.200%	0.20%

Performance Formulae	Formulae					Conditions	S- Calc 1	S- Calc 2	
Performance	=	-0.002000				4 < No. of events	-0.002000	-0.002000	
	=	-0.001000	x	No. of events	+	0.002000	2 ≤ No. of events ≤ 4	-0.001000	0.000000
	=	-0.001000	x	No. of events	+	0.002000	0 ≤ No. of events ≤ 2	-0.001000	0.000000
	=	0.002000					No. of events = 0	0.002000	0.002000

Loss of supply event frequency (>0.2 system minutes)	=	Performance (Without Exclusions)	Performance (Exclusions)
Loss of supply event frequency (>0.2 system minutes)	=	3	2
S-Factor	=	-0.100000%	0.000000%

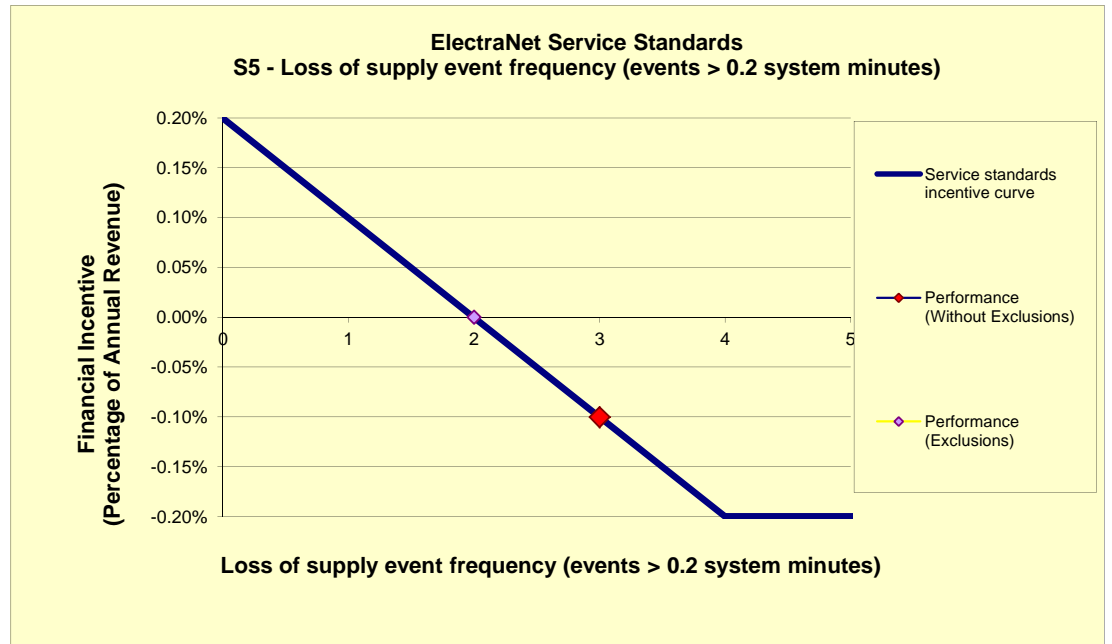
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ElectraNet - S6 - Average outage duration (minutes)

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Average outage duration (minutes)	523	323	203	83	-
Weighting	-0.20%	-0.200%	0.00%	0.200%	0.20%

Performance Formulae	Formulae				Conditions		S- Calc 1	S- Calc 2		
Performance	=	-0.002000			323	< Duration	-0.002000	-0.002000		
	=	-0.000017	x	Duration	+	0.003387	203	≤ Duration ≤ 323	-0.001514	-0.000790
	=	-0.000017	x	Duration	+	0.003387	83	≤ Duration ≤ 203	-0.001514	-0.000790
	=	0.002000						Duration < 83	0.002000	0.002000

Average outage duration (minutes)	=	Performance (Without Exclusions)	Performance (Exclusions)
Average outage duration (minutes)	=	294.055556	250.571429
S-Factor		-0.151426%	-0.078952%

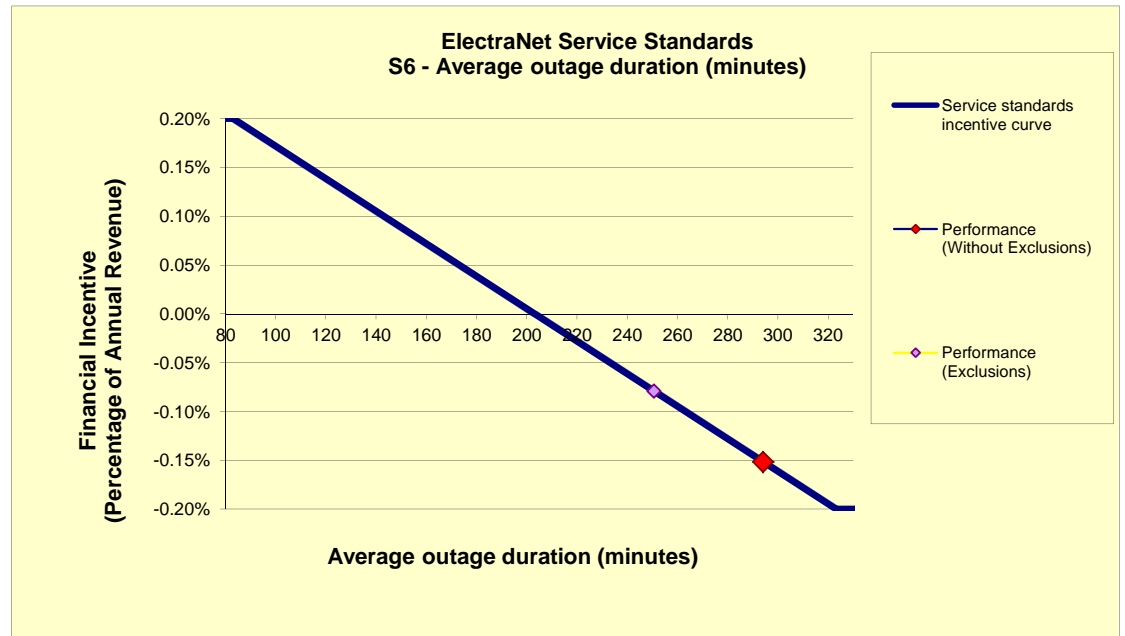
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ElectraNet - Revenue Calculation

X-factor from AER final decision

<i>Revenue cap information</i>	2008-09 to 2009-10	
Base year allowed revenue (2008-09)	\$284,000,000	
Base year	2013-14	
X-factor	-2.68%	-3.20%
Commencement of regulatory period	1-Jul-13	

<i>Annual revenue adjusted for CPI</i>	Mar-13	Mar-14	Mar-15	Mar-16	Mar-17	Mar-18
CPI	102.4	105.4	106.8	108.2	-	-

Nominal annual revenue	2013-14	2014-15	2015-16	2016-17	2017-18
Allowed Revenue	\$284,000,000	\$300,154,499	\$313,881,394	\$328,179,656	

<i>Calendar year revenue</i>	2H 2013	2014	2015	2016	2017	2018
Revenue	\$142,000,000	\$292,077,249	\$307,017,947	\$321,030,525		

NOTE:

This sheet will automatically update based on data on input sheets.

Grey cells show calendar year revenue

Green cells are for formula

ElectraNet - Performance outcomes

Revenue calendar year

\$321,030,525

S	Performance parameter	Target	Performance without exclusions			Performance with exclusions			Impact of exclusions
			Performance	S-Factor	Final Incentive	Performance	S-Factor	Final Incentive	
S1	Total transmission circuit availability	99.52%	98.682678%	-0.300000%	-\$963,092	99.412236%	-0.064659%	-\$207,574	0.235341%
S2	Critical circuit availability – peak	99.12%	96.823401%	-0.100000%	-\$321,031	98.917478%	-0.011507%	-\$36,941	0.088493%
S3	Critical circuit availability – non-peak (zero weighting)	99.37%	97.246020%	0.000000%	\$0	99.223322%	0.000000%	\$0	0.000000%
S4	Loss of supply event frequency (>0.05 system minutes)	7	7	0.000000%	\$0	5	0.133333%	\$428,041	0.133333%
S5	Loss of supply event frequency (>0.2 system minutes)	2	3	-0.100000%	-\$321,031	2	0.000000%	\$0	0.100000%
S6	Average outage duration (minutes)	203.2	294	-0.151426%	-\$486,123	251	-0.078952%	-\$253,461	0.072474%
TOTALS				-0.651426%	-\$2,091,276		-0.021785%	-\$69,935	0.629641%

NOTE:

This sheet will automatically update based on data in input sheets.

Grey cell shows relevant calendar year revenue

Green cells show performance measure targets

Pink cells show performance, s-factor results and financial incentive without exclusions

Orange cells show performance, s-factor results and financial incentive with exclusions

Blue cells show the impact of exclusions on revenue

Aggregate outcome

S-factor	-0.021785%
Financial Incentive	-\$69,935
Financial year affected by financial incentive	2017/18