



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.

Orange worksheet **'Exclusion Definitions'** are the defined exclusions for each TNSP which should form the basis of exclusion requests under 'Inputs-Exclusions' worksheet.

Powerlink - SERVICE STANDARDS PERFORMANCE

Performance Inputs								
S	Performance parameter	Collar	Target	Cap	Revenue at Risk	Performance (Without exclusions)	Performance (With exclusions)	Checksum
S1	Peak transmission circuit availability	98.31%	98.76%	99.20%	0.100%	98.915142%	99.027951%	-3861.63
S2	Transmission line availability	97.60%	98.76%	99.92%	0.100%	98.567835%	98.677323%	
S3	Transformer availability	98.27%	98.76%	99.24%	0.100%	98.210893%	98.216751%	
S4	Reactive plant availability	94.45%	97.15%	99.84%	0.150%	98.792303%	98.792303%	
S5	Loss of supply event frequency (No of events > 0.1 system minutes)	6	4	2	0.150%	10	0	0.00
S6	Loss of supply event frequency (No of events > 0.75 system minutes)	2	1	0	0.30%	0	0	
S7	Average outage duration	1,306	859	412	0.10%	581	644.8945	-12029.01

Revenue Determination Inputs	
TNSP:	Powerlink
STPIS version:	Mar-2011
Regulatory Determination	2012-13 to 2016-17
Base Year Allowed Revenue	\$835,000,000
Base Year	2012-13
X-factor	-3.02%
Commencement of regulatory year	1-Jul-12

Other inputs	
Assessment Period	2013
Financial year to affect revenue:	2014/15
Date prepared:	30 January 2014
Revision date:	
Circuit information	
Number of peak circuits	602
Number of transformer lines	294
Number of transformers	168
Number of reactive plant	140

Average outage duration information - performance without exclusions	
Duration of unplanned outages (mins)	66781
Total number of events	115

Average outage duration information - performance with exclusions	
Duration of unplanned outages (mins)	54816
Number of excluded events	30
Total number of events	85

Other Inputs						
Annual revenue adjusted for C	Mar-12	Mar-13	Mar-14	Mar-15	Mar-16	Mar-17
CPI (old base)	179.5					
CPI (new base)	99.9	102.4				

NOTE:

Pink cells - Performance without exclusions input cells
 Orange cells - Performance with exclusions input cells
 Green cells - Other inputs
 Blue cells - Inputs sourced from the revenue determination
 Performance is based on a calendar year or the proportion of a calendar year that applies in each regulatory period.

Powerlink - Proposed exclusions

CIRCUIT AVAILABILITY		Event proposed for exclusion	Description of the event and its impact on the network and performance	Cause of the event	Start date	Start time	End date	End time	Total hours unavailable	Circuits affected	Reactive plant or transformer	Quantitative impact	Reasons for exclusion request	Further references
Name of any circuit availability parameters		Name of the event	Detail of the event. Such as: the action of any third parties, the actions of the TNSP, assets damaged or interrupted.	A description of the cause of the event	Start date and time of event		End date and time of event			Name of circuits affected	Name of any equipment affected	Impact of exclusion event on availability sub-parameter	Full details of the reason/s for excluding this event. Should include a reference to the defined exclusions and explain how it meets this exclusion definition (see Exclusion definition tab). Eg. 3rd party outage exclusion	A TNSP may provide further details of an exclusion event. TNSP to provide reference.
S1	Peak transmission circuit availability	20120167	Feeder 823: H012 Mount England to H028 Wivenhoe tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	01/01/2013	00:00:00	18/04/2013	19:33:06	960.000	Feeder 823		960.000	Third party event	
S1		20130001	T141 Pioneer Valley: 1 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	01/01/2013	07:27:24	01/01/2013	09:16:52	1.824		T141 Pioneer Valley 1 Transformer	1.824	Third party event	
S1		20130003	H009 Palmwoods: 5 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	07/01/2013	11:56:26	07/01/2013	12:06:37	0.170		H009 Palmwoods 5 Transformer	0.170	Third party event	
S1		20130003	H009 Palmwoods: 6 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	07/01/2013	11:56:26	07/01/2013	12:06:37	0.170		H009 Palmwoods 6 Transformer	0.170	Third party event	
S1		20130075	T032 Blackwater: 7 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	27/02/2013	17:23:08	27/02/2013	18:19:59	0.948		T032 Blackwater 7 Transformer	0.948	Third party event	
S1		20130075	T032 Blackwater: 2 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	27/02/2013	17:23:08	27/02/2013	18:20:15	0.952		T032 Blackwater 2 Transformer	0.952	Third party event	
S1		20130075	T032 Blackwater: 1 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	27/02/2013	17:23:08	27/02/2013	18:20:28	0.956		T032 Blackwater 1 Transformer	0.956	Third party event	
S1		20130210	Feeder 852: H024 Calvale to H030 Callide B tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	06/11/2013	11:35:52	06/11/2013	13:09:08	1.554	Feeder 852		1.554	Third party event	
S1		20130227	Feeder 8876: H067 Calliope River to H007 Gladstone de-loaded. Event initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	20/11/2013	09:55:21	20/11/2013	13:37:21	3.700	Feeder 8876		3.700	Third party event	
S1		20130236	Feeder 7195: H067 Calliope River to T074 Gladstone North de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	24/11/2013	20:54:00	25/11/2013	14:20:32	7.342	Feeder 7195		7.342	Third party event	
S1		20130235	T019 Gladstone South: 3 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	25/11/2013	17:05:51	25/11/2013	17:57:42	0.864		T019 Gladstone South 3 Transformer	0.864	Third party event	
S1		20130235	Feeder 7268: T019 Gladstone South to T152 Gladstone South tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	25/11/2013	17:05:51	25/11/2013	17:57:42	0.864	Feeder 7268		0.864	Third party event	
S1		20130259	Feeder 7192: T049 Kareeya to H032 Chalumbin tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	30/12/2013	05:46:50	31/12/2013	15:47:36	23.793	Feeder 7192		23.793	Third party event	
S1		20130259	T049 Kareeya: 2 Transformer tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	30/12/2013	05:46:50	31/12/2013	15:47:36	23.793		T049 Kareeya 2 Transformer	23.793	Third party event	
S2	Transmission line availability	20120167	Feeder 823: H012 Mount England to H028 Wivenhoe tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	01/01/2013	00:00:00	18/04/2013	19:33:06	2587.552	Feeder 823		2587.552	Third party event	
S2		20130043	Feeder 7376: T005 Gladstone to H067 Calliope River de-loaded. Event initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	27/01/2013	19:56:34	27/01/2013	20:16:05	0.325	Feeder 7376		0.325	Third party event	
S2		20130045	Feeder 7375: T005 Gladstone to H067 Calliope River de-loaded. Event initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	27/01/2013	19:56:43	27/01/2013	20:14:56	0.304	Feeder 7375		0.304	Third party event	
S2		20130064	Feeder F905: H016 Rocklea to West End tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	16/02/2013	11:56:35	17/02/2013	11:34:28	23.631	Feeder F905		23.631	Third party event	
S2		20130123	Feeder 823: H012 Mount England to H028 Wivenhoe tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	22/04/2013	11:39:07	22/04/2013	12:20:27	0.689	Feeder 823		0.689	Third party event	
S2		20130154	Feeder 7192: T049 Kareeya to H032 Chalumbin tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	24/07/2013	10:37:37	24/07/2013	11:31:09	0.892	Feeder 7192		0.892	Third party event	
S2		20130159	Feeder 823: H012 Mount England to H028 Wivenhoe tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	01/08/2013	03:09:46	04/08/2013	04:08:26	72.978	Feeder 823		72.978	Third party event	
S2		20130168	Feeder 8876: H067 Calliope River to H007 Gladstone de-loaded. Event initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	22/08/2013	13:21:26	22/08/2013	17:03:28	3.701	Feeder 8876		3.701	Third party event	
S2		20130169	Feeder 7101: T152 Gladstone South to T021 QAL tripped. Trip initiated by customer. Powerlink plant and equipment operated as expected.	Customer issue	24/08/2013	09:07:56	24/08/2013	09:40:40	0.546	Feeder 7101		0.546	Third party event	
S2		20130210	Feeder 852: H024 Calvale to H030 Callide B tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	06/11/2013	11:35:52	06/11/2013	13:09:08	1.554	Feeder 852		1.554	Third party event	
S2		20130215	Feeder 758: H004 Mudgeeraba to T174 Terranora tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	13/11/2013	00:58:05	13/11/2013	01:05:36	0.125	Feeder 758		0.125	Third party event	
S2		20130227	Feeder 8876: H067 Calliope River to H007 Gladstone de-loaded. Event initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	20/11/2013	09:55:21	20/11/2013	13:37:21	3.700	Feeder 8876		3.700	Third party event	

Powerlink - Proposed exclusions

CIRCUIT AVAILABILITY		Event proposed for exclusion	Description of the event and its impact on the network and performance	Cause of the event	Start date	Start time	End date	End time	Total hours unavailable	Circuits affected	Reactive plant or transformer	Quantitative impact	Reasons for exclusion request	Further references
Name of any circuit availability parameters		Name of the event	Detail of the event. Such as: the action of any third parties, the actions of the TNSP, assets damaged or interrupted.	A description of the cause of the event	Start date and time of event		End date and time of event			Name of circuits affected	Name of any equipment affected	Impact of exclusion event on availability sub-parameter	Full details of the reason/s for excluding this event. Should include a reference to the defined exclusions and explain how it meets this exclusion definition (see Exclusion definition tab). Eg. 3rd party outage exclusion	A TNSP may provide further details of an exclusion event. TNSP to provide reference.
S2		20130236	Feeder 7195: H067 Calliope River to T074 Gladstone North de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	24/11/2013	20:54:00	25/11/2013	14:20:32	17.442	Feeder 7195		17.442	Third party event	
S2		20130235	Feeder 7268: T019 Gladstone South to T152 Gladstone South tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	25/11/2013	17:05:51	25/11/2013	17:57:42	0.864	Feeder 7268		0.864	Third party event	
S2		20130259	Feeder 7192: T049 Kareeya to H032 Chalumbin tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	30/12/2013	05:46:50	31/12/2013	15:47:36	34.013	Feeder 7192		34.013	Third party event	
S3	Transformer availability	20130001	T141 Pioneer Valley: 1 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	01/01/2013	07:27:24	01/01/2013	09:16:52	1.824		T141 Pioneer Valley 1 Transformer	1.824	Third party event	
S3		20130003	H009 Palmwoods: 5 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	07/01/2013	11:56:26	07/01/2013	12:06:37	0.170		H009 Palmwoods 5 Transformer	0.170	Third party event	
S3		20130003	H009 Palmwoods: 6 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	07/01/2013	11:56:26	07/01/2013	12:06:37	0.170		H009 Palmwoods 6 Transformer	0.170	Third party event	
S3		20130066	T019 Gladstone: 6 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	16/02/2013	17:23:11	16/02/2013	18:18:23	0.920		T019 Gladstone 6 Transformer	0.920	Third party event	
S3		20130071	T032 Blackwater: 2 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	23/02/2013	16:45:15	23/02/2013	17:27:27	0.703		T032 Blackwater 2 Transformer	0.703	Third party event	
S3		20130071	T032 Blackwater: 7 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	23/02/2013	16:45:15	23/02/2013	17:28:24	0.719		T032 Blackwater 7 Transformer	0.719	Third party event	
S3		20130071	T032 Blackwater: 1 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	23/02/2013	16:45:15	24/02/2013	12:39:24	19.902		T032 Blackwater 1 Transformer	19.902	Third party event	
S3		20130075	T032 Blackwater: 7 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	27/02/2013	17:23:08	27/02/2013	18:19:59	0.947		T032 Blackwater 7 Transformer	0.947	Third party event	
S3		20130075	T032 Blackwater: 2 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	27/02/2013	17:23:08	27/02/2013	18:20:15	0.952		T032 Blackwater 2 Transformer	0.952	Third party event	
S3		20130075	T032 Blackwater: 1 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	27/02/2013	17:23:08	27/02/2013	18:20:28	0.956		T032 Blackwater 1 Transformer	0.956	Third party event	
S3		20130108	T032 Blackwater: 2 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	31/03/2013	23:10:29	31/03/2013	23:46:40	0.603		T032 Blackwater 2 Transformer	0.603	Third party event	
S3		20130108	T032 Blackwater: 1 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	31/03/2013	23:10:29	31/03/2013	23:52:59	0.708		T032 Blackwater 1 Transformer	0.708	Third party event	
S3		20130108	T032 Blackwater: 7 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	31/03/2013	23:10:29	31/03/2013	23:53:16	0.713		T032 Blackwater 7 Transformer	0.713	Third party event	
S3		20130109	T032 Blackwater: 2 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	31/03/2013	23:55:04	01/04/2013	00:04:16	0.153		T032 Blackwater 2 Transformer	0.153	Third party event	
S3		20130109	T032 Blackwater: 1 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	31/03/2013	23:55:04	01/04/2013	00:05:36	0.176		T032 Blackwater 1 Transformer	0.176	Third party event	
S3		20130109	T032 Blackwater: 7 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	31/03/2013	23:55:04	01/04/2013	00:05:45	0.178		T032 Blackwater 7 Transformer	0.178	Third party event	
S3		20130111	T032 Blackwater: 1 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	06/04/2013	09:04:49	06/04/2013	09:36:44	0.532		T032 Blackwater 1 Transformer	0.532	Third party event	
S3	20130111	T032 Blackwater: 7 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	06/04/2013	09:04:49	06/04/2013	09:44:08	0.655		T032 Blackwater 7 Transformer	0.655	Third party event		
S3	20130115	T032 Blackwater: 7 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	11/04/2013	02:31:06	11/04/2013	03:17:48	0.778		T032 Blackwater 7 Transformer	0.778	Third party event		
S3	20130115	T032 Blackwater: 1 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	11/04/2013	02:31:06	11/04/2013	03:21:09	0.834		T032 Blackwater 1 Transformer	0.834	Third party event		
S3	20130116	T032 Blackwater: 7 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	11/04/2013	06:08:40	11/04/2013	06:36:49	0.469		T032 Blackwater 7 Transformer	0.469	Third party event		
S3	20130116	T032 Blackwater: 1 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	11/04/2013	06:08:40	11/04/2013	07:21:07	1.207		T032 Blackwater 1 Transformer	1.207	Third party event		
S3	20130117	T053 Kamerunga: 2 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	10/04/2013	05:26:36	10/04/2013	09:40:45	4.236		T053 Kamerunga 2 Transformer	4.236	Third party event		

Powerlink - Proposed exclusions

CIRCUIT AVAILABILITY	Event proposed for exclusion	Description of the event and its impact on the network and performance	Cause of the event	Start date	Start time	End date	End time	Total hours unavailable	Circuits affected	Reactive plant or transformer	Quantitative impact	Reasons for exclusion request	Further references
Name of any circuit availability parameters	Name of the event	Detail of the event. Such as: the action of any third parties, the actions of the TNSP, assets damaged or interrupted.	A description of the cause of the event	Start date and time of event		End date and time of event			Name of circuits affected	Name of any equipment affected	Impact of exclusion event on availability sub-parameter	Full details of the reason/s for excluding this event. Should include a reference to the defined exclusions and explain how it meets this exclusion definition (see Exclusion definition tab). Eg. 3rd party outage exclusion	A TNSP may provide further details of an exclusion event. TNSP to provide reference.
S3	20130154	T049 Kareeya: 2 Transformer tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	24/07/2013	10:37:37	24/07/2013	11:31:09	0.892		T049 Kareeya 2 Transformer	0.892	Third party event	
S3	20130220	T055 Turkinje: 2 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	14/11/2013	01:01:46	14/11/2013	02:16:25	1.244		T055 Turkinje 2 Transformer	1.244	Third party event	
S3	20130230	T037 Collinsville: 1 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	23/11/2013	20:01:52	23/11/2013	21:04:39	1.046		T037 Collinsville 1 Transformer	1.046	Third party event	
S3	20130230	T220 Collinsville North: 1 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	23/11/2013	20:01:52	23/11/2013	21:20:05	1.304		T220 Collinsville North 1 Transformer	1.304	Third party event	
S3	20130233	T220 Collinsville North: 1 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	25/11/2013	22:38:33	26/11/2013	00:34:20	1.930		T220 Collinsville North 1 Transformer	1.930	Third party event	
S3	20130233	T037 Collinsville: 1 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	25/11/2013	22:38:33	26/11/2013	00:35:56	1.956		T037 Collinsville 1 Transformer	1.956	Third party event	
S3	20130235	T019 Gladstone South: 3 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	25/11/2013	17:05:51	25/11/2013	17:57:42	0.864		T019 Gladstone 3 Transformer	0.864	Third party event	
S3	20130241	T220 Collinsville North: 1 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	01/12/2013	21:59:01	01/12/2013	23:05:10	1.102		T220 Collinsville North 1 Transformer	1.102	Third party event	
S3	20130241	T037 Collinsville: 1 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	01/12/2013	21:59:01	01/12/2013	23:06:42	1.128		T037 Collinsville 1 Transformer	1.128	Third party event	
S3	20130245	T220 Collinsville North: 1 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	14/12/2013	00:55:09	14/12/2013	01:53:28	0.972		T220 Collinsville North 1 Transformer	0.972	Third party event	
S3	20130245	T037 Collinsville: 1 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	14/12/2013	00:55:09	14/12/2013	02:20:25	1.421		T037 Collinsville 1 Transformer	1.421	Third party event	
S3	20130259	T049 Kareeya: 2 Transformer tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	30/12/2013	05:46:50	31/12/2013	15:47:36	34.013		T049 Kareeya 2 Transformer	34.013	Third party event	
								0.000					
S4								0.000					
S4								0.000					
S4								0.000					
S4								0.000					
S4								0.000					
S4								0.000					
S4								0.000					

Peak start	Peak finish
7:00	22:00

1/01/2013
26/01/2013
28/01/2013
29/03/2013
1/04/2013
25/04/2013
10/06/2013
7/10/2013
25/12/2013
26/12/2013

Period	Start		End		No of peak weekdays in year
	Start	End	Start	End	
Period 1	1/01/2013	31/03/2013			61
Period 2	1/11/2013	31/12/2013			41
	Total				102

NOTE:

This worksheet should include a list all events that are proposed for exclusion.

Each proposed exclusion should include a description of the event, a description of the impact and quantification of the impact on the network and performance. The descriptive elements should also include reasons for the exclusion request making reference to the "Exclusion Definitions" worksheet.

Each exclusion should be entered onto one row for each parameter. Where one exclusion event applies to more than one parameter, the relevant details of the event should be entered under each of the measure headings.

The TNSP must provide details for all events requested for exclusion in this template. In the event that the TNSP wishes to provide further details of an exclusion, this should be provided with the TNSP's performance report. The source of information should be referenced in this template.

Powerlink - Proposed exclusions

LOSS OF SUPPLY EVENT FREQUENCY		Event proposed for exclusion	Description of the event and its impact on the network and performance	Cause of the event	Start date	Start time	End date	End time	Circuits affected	Maximum system demand	Demand shed and time	Quantitative impact	Reasons for exclusion request	Further references
Name of any loss of supply parameters		Name of the event	Detail of the event. Such as: the action of any third parties, the actions of the TNSP, assets damaged or interrupted.	A description of the cause of the event	Start date and time of event		End date and time of event		Name of circuits or plant affected	The max system demand that occurred up until the time of the event	The (MW) demand shed and the duration it was shed for.	Impact of exclusion event on LOS Parameter	Full details of the reason/s for excluding this event. Should include a reference to the defined exclusions and explain how it meets this exclusion definition (see Exclusion definition tab). Eg. 3rd party outage exclusion	A TNSP may provide further details of an exclusion event. TNSP to provide reference.
S5	Loss of supply event frequency (No of events > 0.1 system minutes)	20130066	T019 Gladstone: 6 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	16/02/2013	17:23:11	16/02/2013	18:18:23	T019 Gladstone 6 Transformer	8891 MW	22MW, 55 mins	1	Third party event	
S5		20130071	T032 Blackwater: Transformers 1, 2 and 7 de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	23/02/2013	16:45:15	23/02/2013	17:27:27	T032 Blackwater 1, 2 and 7 Transformers	8891 MW	100MW, 42 mins	1	Third party event	
S5		20130075	T032 Blackwater: Transformers 1, 2 and 7 de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	27/02/2013	17:23:08	27/02/2013	18:19:59	T032 Blackwater 1, 2 and 7 Transformers	8891 MW	61MW, 57 mins	1	Third party event	
S5		20130108	T032 Blackwater: Transformers 1, 2 and 7 de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	31/03/2013	23:10:29	31/03/2013	23:46:40	T032 Blackwater 1, 2 and 7 Transformers	8891 MW	80MW, 36 mins	1	Third party event	
S5		20130111	T032 Blackwater: Transformers 1 and 7 de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	6/04/2013	09:04:49	6/04/2013	09:36:44	T032 Blackwater 1 and 7 Transformers	8891 MW	75MW, 32 mins	1	Third party event	
S5		20130115	T032 Blackwater: Transformers 1 and 7 de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	11/04/2013	02:31:06	11/04/2013	03:17:48	T032 Blackwater 1 and 7 Transformers	8891 MW	80MW, 47 mins	1	Third party event	
S5		20130116	T032 Blackwater: Transformers 1 and 7 de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	11/04/2013	06:08:40	11/04/2013	06:36:49	T032 Blackwater 1 and 7 Transformers	8891 MW	80MW, 28 mins	1	Third party event	
S5		20130117	T053 Kamerunga: 2 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	10/04/2013	05:26:36	10/04/2013	09:40:45	T053 Kamerunga 2 Transformer	8891 MW	21MW, 254 mins	1	Third party event	
S5		20130233	T037 Collinsville and T220 Collinsville North: 1 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	25/11/2013	22:38:33	26/11/2013	00:34:20	T037 Collinsville 1 Transformer and T220 Collinsville North 1 Transformer	8891 MW	8MW, 116 mins	1	Third party event	
S5		20130238	Ergon Energy Feeder 7286: T032 Blackwater to T163 Rolleston tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	30/11/2013	04:54:25	30/11/2013	07:15:41	T032 Blackwater Circuit Breaker 72862	8891 MW	20MW, 141 mins	1	Third party event	
S5														
S6	Loss of supply event frequency (No of events > 0.75 system minutes)													
S6														
S6														
S6														
S6														
S6														

NOTE:

This worksheet should include a list all events that are proposed for exclusion.

Each proposed exclusion should include a description of the event, a description of the impact and quantification of the impact on the network and performance. The descriptive elements should also include reasons for the exclusion request making reference to the "Exclusion Definitions" worksheet.

Each exclusion should be entered onto one row for each parameter. Where one exclusion event applies to more than one parameter, the relevant details of the event should be entered under each of the measure headings.

The TNSP must provide details for all events requested for exclusion in this template. In the event that the TNSP wishes to provide further details of an exclusion, this should be provided with the TNSP's performance report. The source of information should be referenced in this template.

Powerlink - Proposed exclusions

AVERAGE OUTAGE DURATION	Event proposed for exclusion	Description of the event and its impact on the network and performance	Cause of the event	Start date	Start time	End date	End time	Circuits affected	Quantitative impact	Capped impact (if applicable)	Reasons for exclusion request	Further references
Name of any average outage duration parameters	Name of the event	Detail of the event. Such as: the action of any third parties, the actions of the TNSP, assets damaged or interrupted.	A description of the cause of the event	Start date and time of event	End date and time of event			Name of circuits or plant affected	Impact of exclusion event on AOD parameter	Impact of capped exclusion event on AOD parameter	Full details of the reason for excluding this event. Should include a reference to the defined exclusions and explain how it meets this exclusion definition (see Exclusion definition tab). Eg. 3rd party outage exclusion	A TNSP may provide further details of an exclusion event. TNSP to provide reference.
S7	20130001	T141 Pioneer Valley: 1 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	01/01/2013	07:27:24	01/01/2013	09:16:52	T141 Pioneer Valley 1 Transformer	109.467		Third party event	
S7	20130003	H009 Palmwoods: 5 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	07/01/2013	11:56:26	07/01/2013	12:06:37	H009 Palmwoods 5 Transformer			Third party event	
S7	20130003	H009 Palmwoods: 6 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	07/01/2013	11:56:26	07/01/2013	12:06:37	H009 Palmwoods 6 Transformer	10.183		Third party event	
S7	20130043	Feeder 7376: T005 Gladstone to H067 Calliope River de-loaded. Event initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	27/01/2013	19:56:34	27/01/2013	20:16:05	Feeder 7376	19.517		Third party event	
S7	20130045	Feeder 7375: T005 Gladstone to H067 Calliope River de-loaded. Event initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	27/01/2013	19:56:43	27/01/2013	20:14:56	Feeder 7375	18.217		Third party event	
S7	20130064	Feeder F905: H016 Rocklea to West End tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	16/02/2013	11:56:35	17/02/2013	11:34:28	Feeder F905	1417.883		Third party event	
S7	20130066	T019 Gladstone: 6 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	16/02/2013	17:23:11	16/02/2013	18:18:23	T019 Gladstone 6 Transformer	55.200		Third party event	
S7	20130071	T032 Blackwater: 2 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	23/02/2013	16:45:15	23/02/2013	17:27:27	T032 Blackwater 2 Transformer			Third party event	
S7	20130071	T032 Blackwater: 7 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	23/02/2013	16:45:15	23/02/2013	17:28:24	T032 Blackwater 7 Transformer			Third party event	
S7	20130071	T032 Blackwater: 1 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	23/02/2013	16:45:15	24/02/2013	12:39:24	T032 Blackwater 1 Transformer	1194.150		Third party event	
S7	20130075	T032 Blackwater: 7 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	27/02/2013	17:23:08	27/02/2013	18:19:59	T032 Blackwater 7 Transformer			Third party event	
S7	20130075	T032 Blackwater: 2 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	27/02/2013	17:23:08	27/02/2013	18:20:15	T032 Blackwater 2 Transformer			Third party event	
S7	20130075	T032 Blackwater: 1 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	27/02/2013	17:23:08	27/02/2013	18:20:28	T032 Blackwater 1 Transformer	57.333		Third party event	
S7	20130108	T032 Blackwater: 2 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	31/03/2013	23:10:29	31/03/2013	23:46:40	T032 Blackwater 2 Transformer			Third party event	
S7	20130108	T032 Blackwater: 1 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	31/03/2013	23:10:29	31/03/2013	23:52:59	T032 Blackwater 1 Transformer			Third party event	
S7	20130108	T032 Blackwater: 7 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	31/03/2013	23:10:29	31/03/2013	23:53:16	T032 Blackwater 7 Transformer	42.783		Third party event	
S7	20130109	T032 Blackwater: 2 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	31/03/2013	23:55:04	01/04/2013	00:04:16	T032 Blackwater 2 Transformer			Third party event	
S7	20130109	T032 Blackwater: 1 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	31/03/2013	23:55:04	01/04/2013	00:05:36	T032 Blackwater 1 Transformer			Third party event	
S7	20130109	T032 Blackwater: 7 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	31/03/2013	23:55:04	01/04/2013	00:05:45	T032 Blackwater 7 Transformer	10.683		Third party event	
S7	20130111	T032 Blackwater: 1 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	06/04/2013	09:04:49	06/04/2013	09:36:44	T032 Blackwater 1 Transformer			Third party event	
S7	20130111	T032 Blackwater: 7 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	06/04/2013	09:04:49	06/04/2013	09:44:08	T032 Blackwater 7 Transformer	39.317		Third party event	
S7	20130115	T032 Blackwater: 7 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	11/04/2013	02:31:06	11/04/2013	03:17:48	T032 Blackwater 7 Transformer			Third party event	
S7	20130115	T032 Blackwater: 1 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	11/04/2013	02:31:06	11/04/2013	03:21:09	T032 Blackwater 1 Transformer	50.050		Third party event	
S7	20130116	T032 Blackwater: 7 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	11/04/2013	06:08:40	11/04/2013	06:36:49	T032 Blackwater 7 Transformer			Third party event	
S7	20130116	T032 Blackwater: 1 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	11/04/2013	06:08:40	11/04/2013	07:21:07	T032 Blackwater 1 Transformer	72.450		Third party event	

Powerlink - Proposed exclusions

AVERAGE OUTAGE DURATION	Event proposed for exclusion	Description of the event and its impact on the network and performance	Cause of the event	Start date	Start time	End date	End time	Circuits affected	Quantitative impact	Capped impact (if applicable)	Reasons for exclusion request	Further references
Name of any average outage duration parameters	Name of the event	Detail of the event. Such as: the action of any third parties, the actions of the TNSP, assets damaged or interrupted.	A description of the cause of the event	Start date and time of event	End date and time of event			Name of circuits or plant affected	Impact of exclusion event on AOD parameter	Impact of capped exclusion event on AOD parameter	Full details of the reason for excluding this event. Should include a reference to the defined exclusions and explain how it meets this exclusion definition (see Exclusion definition tab). Eg. 3rd party outage exclusion	A TNSP may provide further details of an exclusion event. TNSP to provide reference.
S7	20130117	T053 Kamerunga: 2 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	10/04/2013	05:26:36	10/04/2013	09:40:45	T053 Kamerunga 2 Transformer	254.150		Third party event	
S7	20130123	Feeder 823: H012 Mount England to H028 Wivenhoe tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	22/04/2013	11:39:07	22/04/2013	12:20:27	Feeder 823	41.333		Third party event	
S7	20130154	Feeder 7192: T049 Kareeya to H032 Chalumbin tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	24/07/2013	10:37:37	24/07/2013	11:31:09	Feeder 7192			Third party event	
S7	20130154	T049 Kareeya: 2 Transformer tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	24/07/2013	10:37:37	24/07/2013	11:31:09	T049 Kareeya 2 Transformer	53.533		Third party event	
S7	20130159	Feeder 823: H012 Mount England to H028 Wivenhoe tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	01/08/2013	03:09:46	04/08/2013	04:08:26	Feeder 823	4378.667		Third party event	
S7	20130168	Feeder 8876: H067 Calliope River to H007 Gladstone de-loaded. Event initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	22/08/2013	13:21:26	22/08/2013	17:03:28	Feeder 8876	222.033		Third party event	
S7	20130169	Feeder 7101: T152 Gladstone South to T021 QAL tripped. Trip initiated by customer. Powerlink plant and equipment operated as expected.	Customer issue	24/08/2013	09:07:56	24/08/2013	09:40:40	Feeder 7101	32.733		Third party event	
S7	20130210	Feeder 852: H024 Calvale to H030 Callide B tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	06/11/2013	11:35:52	06/11/2013	13:09:08	Feeder 852	93.267		Third party event	
S7	20130215	Feeder 758: H004 Mudgeeraba to T174 Terranora tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	13/11/2013	00:58:05	13/11/2013	01:05:36	Feeder 758	7.517		Third party event	
S7	20130220	T055 Turkinje: 2 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	14/11/2013	01:01:46	14/11/2013	02:16:25	T055 Turkinje 2 Transformer	74.650		Third party event	
S7	20130227	Feeder 8876: H067 Calliope River to H007 Gladstone de-loaded. Event initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	20/11/2013	09:55:21	20/11/2013	13:37:21	Feeder 8876	222.000		Third party event	
S7	20130230	T037 Collinsville: 1 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	23/11/2013	20:01:52	23/11/2013	21:04:39	T037 Collinsville 1 Transformer			Third party event	
S7	20130230	T220 Collinsville North: 1 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	23/11/2013	20:01:52	23/11/2013	21:20:05	T220 Collinsville North 1 Transformer	78.217		Third party event	
S7	20130233	T220 Collinsville North: 1 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	25/11/2013	22:38:33	26/11/2013	00:34:20	T220 Collinsville North 1 Transformer			Third party event	
S7	20130233	T037 Collinsville: 1 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	25/11/2013	22:38:33	26/11/2013	00:35:56	T037 Collinsville 1 Transformer	117.383		Third party event	
S7	20130235	Feeder 7268: T019 Gladstone South to T152 Gladstone South tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	25/11/2013	17:05:51	25/11/2013	17:57:42	Feeder 7268			Third party event	
S7	20130235	T019 Gladstone South: 3 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	25/11/2013	17:05:51	25/11/2013	17:57:42	T019 Gladstone 3 Transformer	51.850		Third party event	
S7	20130236	Feeder 7195: H067 Calliope River to T074 Gladstone North de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	24/11/2013	20:54:00	25/11/2013	14:20:32	Feeder 7195	1046.533		Third party event	
S7	20130241	T220 Collinsville North: 1 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	01/12/2013	21:59:01	01/12/2013	23:05:10	T220 Collinsville North 1 Transformer			Third party event	
S7	20130241	T037 Collinsville: 1 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	01/12/2013	21:59:01	01/12/2013	23:06:42	T037 Collinsville 1 Transformer	67.683		Third party event	
S7	20130245	T220 Collinsville North: 1 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	14/12/2013	00:55:09	14/12/2013	01:53:28	T220 Collinsville North 1 Transformer			Third party event	
S7	20130245	T037 Collinsville: 1 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	14/12/2013	00:55:09	14/12/2013	02:20:25	T037 Collinsville 1 Transformer	85.267		Third party event	
S7	20130259	Feeder 7192: T049 Kareeya to H032 Chalumbin tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	30/12/2013	05:46:50	31/12/2013	15:47:36	Feeder 7192			Third party event	
S7	20130259	T049 Kareeya: 2 Transformer tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	30/12/2013	05:46:50	31/12/2013	15:47:36	T049 Kareeya 2 Transformer	2040.767		Third party event	

NOTE:

Powerlink - Proposed exclusions

AVERAGE OUTAGE DURATION	Event proposed for exclusion	Description of the event and its impact on the network and performance	Cause of the event	Start date	Start time	End date	End time	Circuits affected	Quantitative impact	Capped impact (if applicable)	Reasons for exclusion request	Further references
Name of any average outage duration parameters	Name of the event	Detail of the event. Such as: the action of any third parties, the actions of the TNSP, assets damaged or interrupted.	A description of the cause of the event	Start date and time of event		End date and time of event		Name of circuits or plant affected	Impact of exclusion event on AOD parameter	Impact of capped exclusion event on AOD parameter	Full details of the reason for excluding this event. Should include a reference to the defined exclusions and explain how it meets this exclusion definition (see Exclusion definition tab). Eg. 3rd party outage exclusion	A TNSP may provide further details of an exclusion event. TNSP to provide reference.

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Powerlink - S1 - Peak transmission circuit availability

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Peak transmission circuit availability	98.10%	98.31%	98.76%	99.20%	99.40%
Weighting	-0.10%	-0.100%	0.00%	0.100%	0.10%

Performance Formulae	Formulae						Conditions				S- Calc 1	S- Calc 2	
Performance	=	-0.001000							Availability	<	98.31%	-0.001000	-0.001000
	=	0.222222	x	Availability	+	-0.219467	98.31%	≤	Availability	≤	98.76%	0.000345	0.000595
	=	0.227273	x	Availability	+	-0.224455	98.76%	≤	Availability	≤	99.20%	0.000353	0.000609
	=	0.001000					99.20%	<	Availability			0.001000	0.001000

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Peak transmission circuit availability	=	98.915142%	99.027951%
S-Factor	=	0.035260%	0.060898%

NOTE:

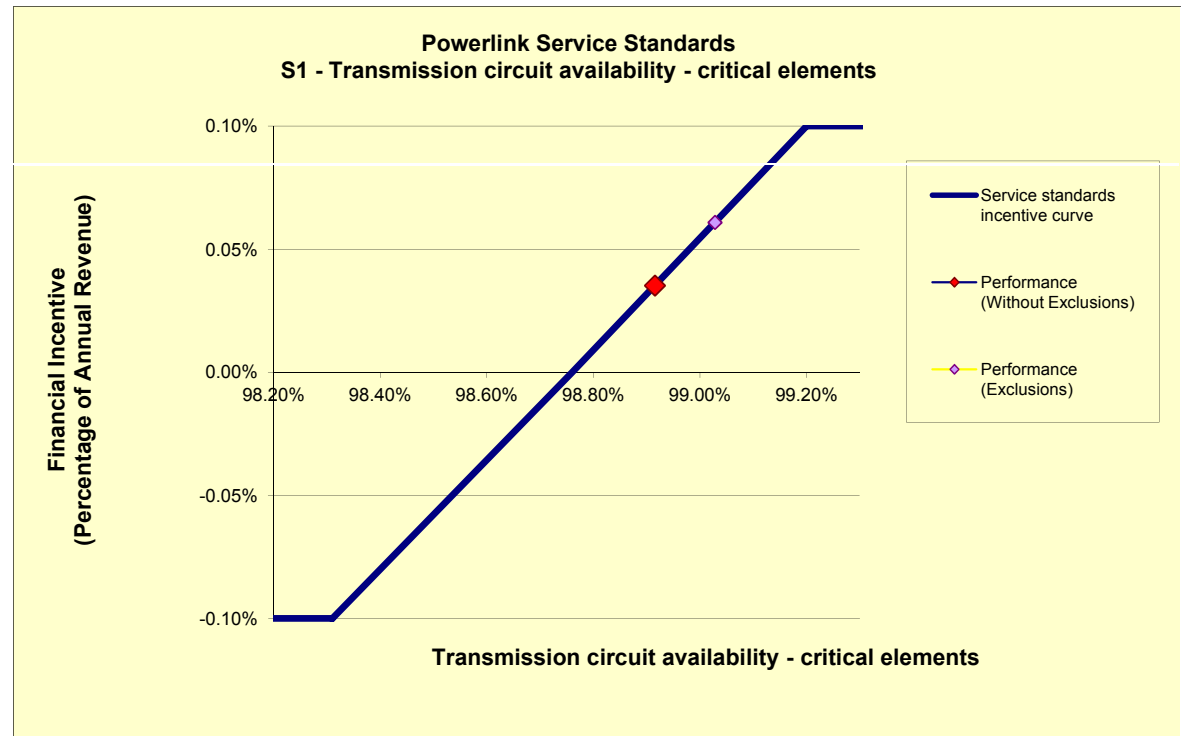
This sheet will automatically update based on data in input sheets

Blue cells show the TNSP's performance targets and weightings

Yellow/Green cells show the TNSP's performance formulae and related formula conditions based on performance targets and weightings

Pink cells show the TNSP's performance outcomes without any events excluded from performance data

Orange cells show the TNSP's performance outcomes with events excluded from performance data



Powerlink - S2 - Transmission line availability

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Transmission line availability	97.40%	97.60%	98.76%	99.92%	100.10%
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	<	97.60%	-0.001000	-0.001000
	=	0.086207	x	Availability	+	-0.085138	97.60%	≤	Availability ≤ 98.76%	-0.000166	-0.000071
	=	0.086207	x	Availability	+	-0.085138	98.76%	≤	Availability ≤ 99.92%	-0.000166	-0.000071
	=	0.001000					99.92%	<	Availability	0.001000	0.001000

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Transmission line availability	=	98.567835%	98.677323%
S-Factor	=	-0.016566%	-0.007127%

NOTE:

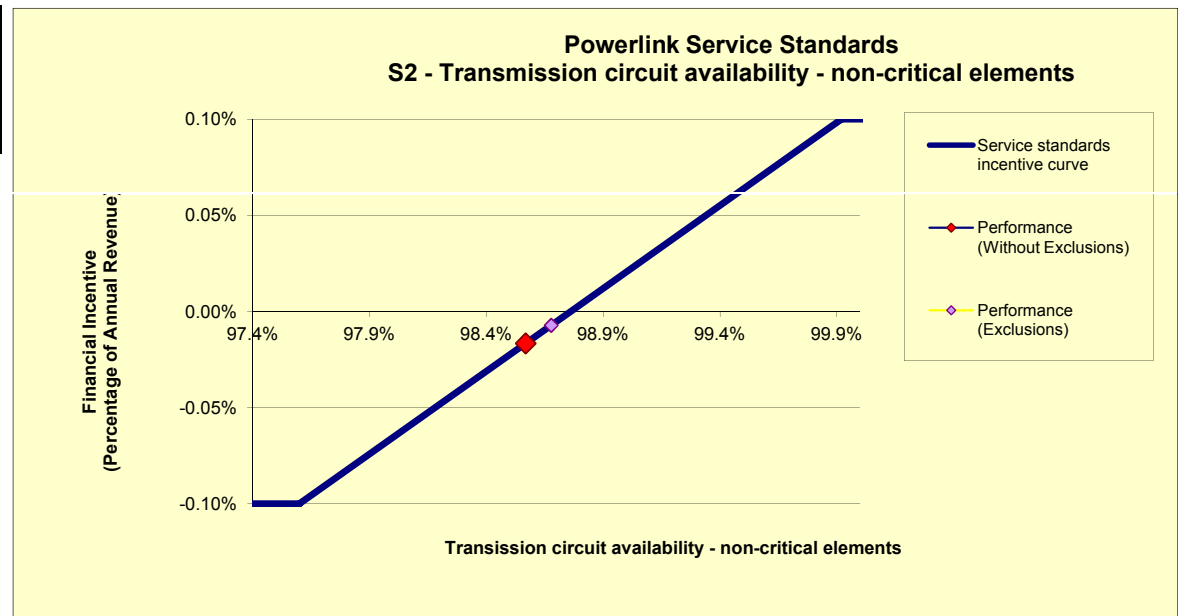
This sheet will automatically update based on data in input sheets

Blue cells show the TNSP's performance targets and weightings

Yellow/Green cells show the TNSP's performance formulae and related formula conditions based on performance targets and weightings

Pink cells show the TNSP's performance outcomes without any events excluded from performance data

Orange cells show the TNSP's performance outcomes with events excluded from performance data



Powerlink - S3 - Transformer availability

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Transformer availability	98.10%	98.27%	98.76%	99.24%	99.40%
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	<	98.27%	-0.001000	-0.001000			
	=	0.204082	x	Availability	+	-0.201551	98.27%	≤	Availability	≤	98.76%	-0.001121	-0.001109
	=	0.208333	x	Availability	+	-0.205750	98.76%	≤	Availability	≤	99.24%	-0.001144	-0.001132
	=	0.001000					99.24%	<	Availability			0.001000	0.001000

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Transformer availability	=	98.210893%	98.216751%
S-Factor	=	-0.100000%	-0.100000%

NOTE:

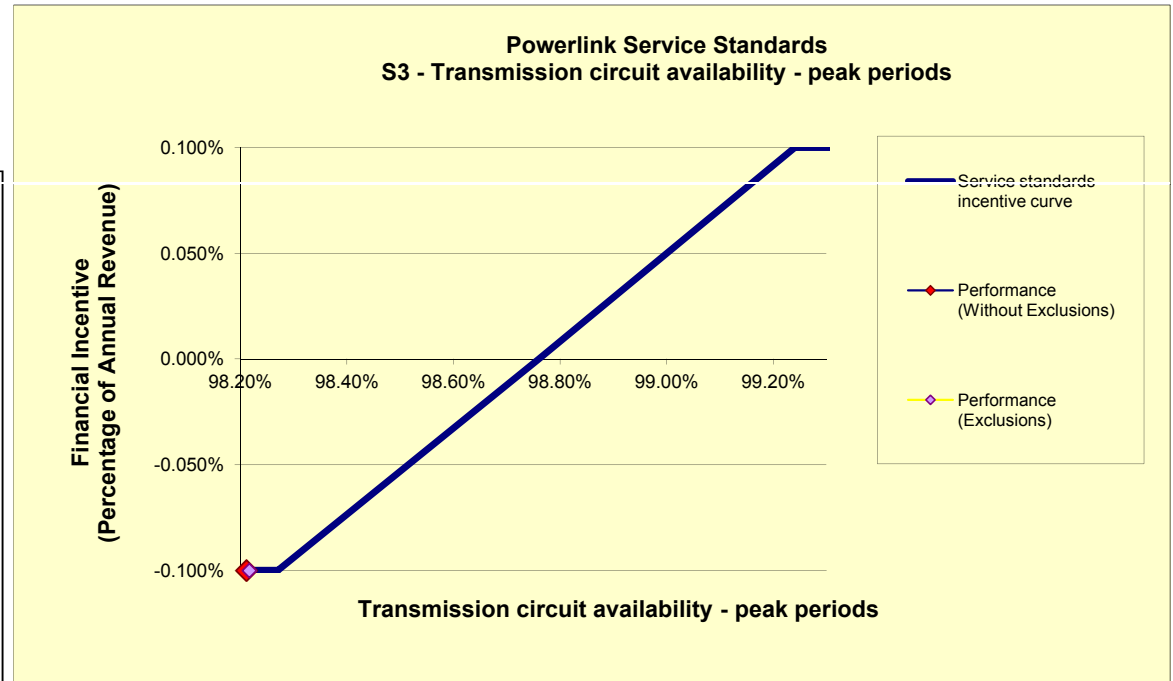
This sheet will automatically update based on data in input sheets

Blue cells show the TNSP's performance targets and weightings

Yellow/Green cells show the TNSP's performance formulae and related formula conditions based on performance targets and weightings

Pink cells show the TNSP's performance outcomes without any events excluded from performance data

Orange cells show the TNSP's performance outcomes with events excluded from performance data



Powerlink - S4 - Reactive plant availability

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Reactive plant availability	94.30%	94.45%	97.15%	99.84%	100.00%
Weighting	-0.15%	-0.15%	0.00%	0.15%	0.15%

Performance Formulae	Formulae				Conditions			S- Calc 1	S- Calc 2				
Performance	=	-0.001500			When:	Availability	<	94.45%	-0.001500	-0.001500			
	=	0.055556	x	Availability	+	-0.053972	94.45%	≤	Availability	≤	97.15%	0.000912	0.000912
	=	0.055762	x	Availability	+	-0.054173	97.15%	≤	Availability	≤	99.84%	0.000916	0.000916
	=	0.001500					99.84%	<	Availability			0.001500	0.001500

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Reactive plant availability	=	98.792303%	98.792303%
S-Factor	=	0.091578%	0.091578%

NOTE:

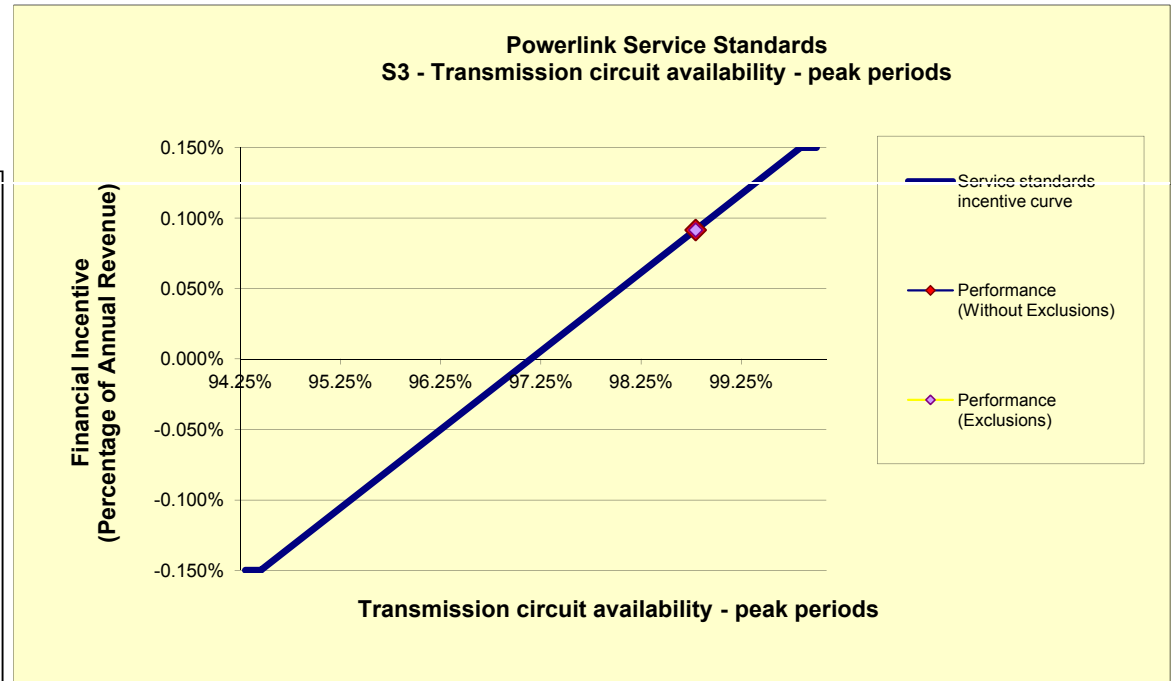
This sheet will automatically update based on data in input sheets

Blue cells show the TNSP's performance targets and weightings

Yellow/Green cells show the TNSP's performance formulae and related formula conditions based on performance targets and weightings

Pink cells show the TNSP's performance outcomes without any events excluded from performance data

Orange cells show the TNSP's performance outcomes with events excluded from performance data



Powerlink - S5 - Loss of supply event frequency (No of events > 0.1 system minutes)

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Loss of supply event frequency (No of events > 0.1 system minutes)	8	6	4	2	-
Weighting	-0.15%	-0.150%	0.00%	0.150%	0.15%

Performance Formulae	Formulae					Conditions	S- Calc 1	S- Calc 2	
Performance	=	-0.001500				6 < No. of events	-0.001500	-0.001500	
	=	-0.000750	x	No. of events	+	0.003000	4 ≤ No. of events ≤ 6	-0.004500	0.003000
	=	-0.000750	x	No. of events	+	0.003000	2 ≤ No. of events ≤ 4	-0.004500	0.003000
	=	0.001500				No. of events < 2	0.001500	0.001500	

Loss of supply event frequency (No of events > 0.1 system minutes)	=	Performance (Without Exclusions)	Performance (Exclusions)
Loss of supply event frequency (No of events > 0.1 system minutes)	=	10	0
S-Factor		-0.150000%	0.150000%

NOTE:

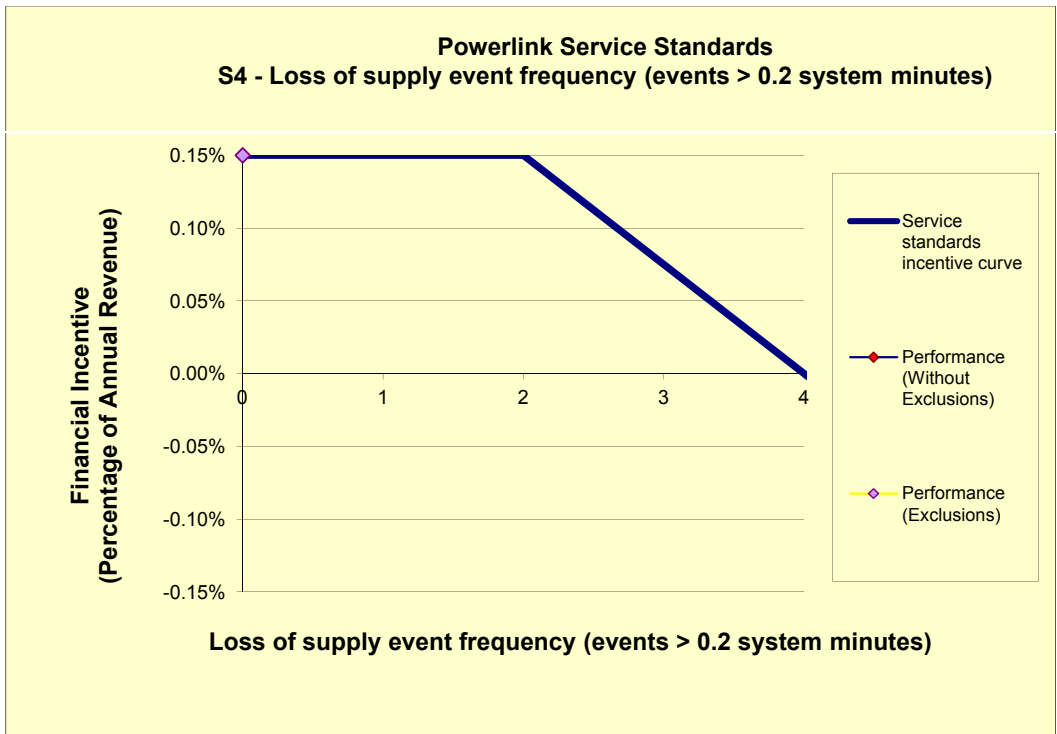
This sheet will automatically update based on data in input sheets

Blue cells show the TNSP's performance targets and weightings

Yellow/Green cells show the TNSP's performance formulae and related formula conditions based on performance targets and weightings

Pink cells show the TNSP's performance outcomes without any events excluded from performance data

Orange cells show the TNSP's performance outcomes with events excluded from performance data



Powerlink - S6 - Loss of supply event frequency (No of events > 0.75 system minutes)

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Loss of supply event frequency (No of events > 0.75 system minutes)	4	2	1	0	0
Weighting	-0.30%	-0.300%	0.00%	0.300%	0.30%

Performance Formulae	Formulae				Conditions		S- Calc 1	S- Calc 2
Performance	=	-0.003000			2	< No. of events	-0.003000	-0.003000
	=	-0.003000	x	No. of events	1	≤ No. of events ≤ 2	0.003000	0.003000
	=	-0.003000	x	No. of events	0	≤ No. of events ≤ 1	0.003000	0.003000
	=	0.003000				No. of events = 0	0.003000	0.003000

Loss of supply event frequency (No of events > 0.75 system minutes)	=	Performance (Without Exclusions)	Performance (Exclusions)
Loss of supply event frequency (No of events > 0.75 system minutes)	=	0	0
S-Factor		0.300000%	0.300000%

NOTE:

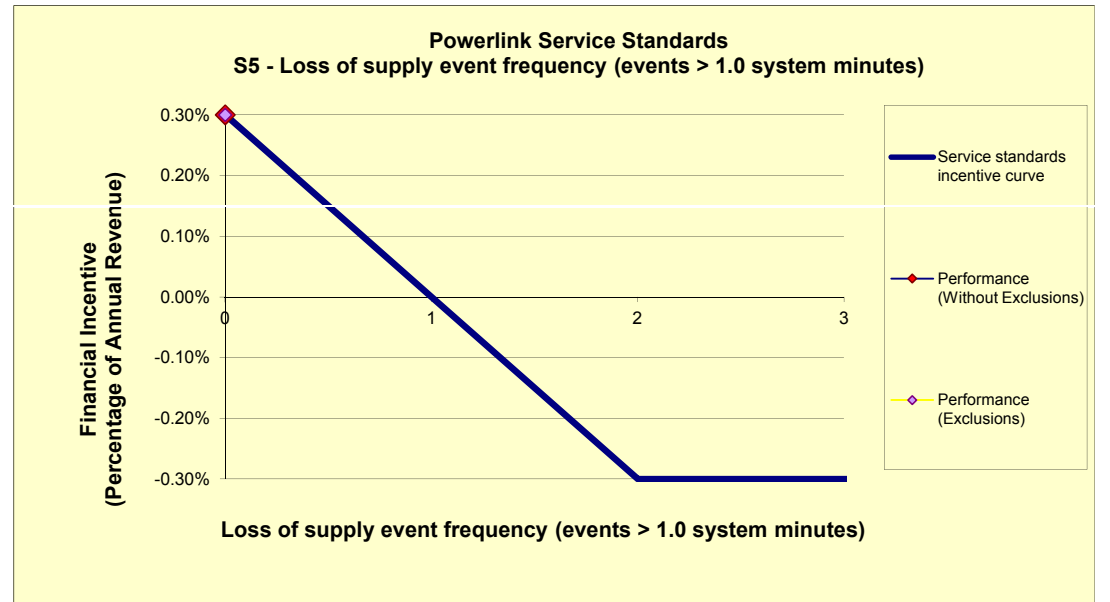
This sheet will automatically update based on data in input sheets

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Yellow/Green cells show the TNSP's performance formulae and related formula conditions based on performance targets and weightings

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Orange cells show the TNSP's performance outcomes with events excluded from performance data



Powerlink - S7 - Average outage duration

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Average outage duration	1,506	1,306	859	412	-
Weighting	-0.10%	-0.100%	0.00%	0.100%	0.10%

Performance Formulae	Formulae					Conditions	S- Calc 1	S- Calc 2	
Performance	=	-0.001000				1306 < Duration	-0.001000	-0.001000	
	=	-0.000002	x	Duration	+	0.001922	859 ≤ Duration ≤ 1,306	0.000623	0.000479
	=	-0.000002	x	Duration	+	0.001922	412 ≤ Duration ≤ 859	0.000623	0.000479
	=	0.001000				Duration < 412	0.001000	0.001000	

Average outage duration	=	Performance (Without Exclusions)	Performance (Exclusions)
Average outage duration	=	580.703044	644.894510
S-Factor		0.062259%	0.047898%

NOTE:

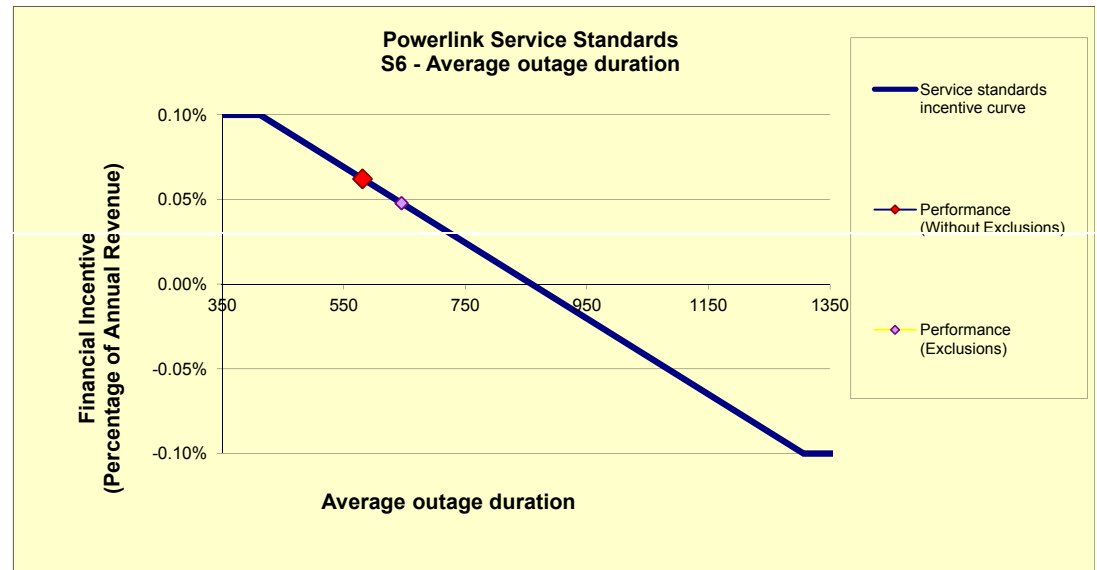
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Yellow/Green cells show the TNSP's performance formulae and related formula conditions based on performance targets and weightings

Pink cells show the TNSP's performance outcomes without any events excluded from performance data

Orange cells show the TNSP's performance outcomes with events excluded from performance data



Powerlink - Revenue Calculation

<i>Revenue cap information</i>	
Base year allowed revenue	\$835,000,000
Base year	2012-13
X-factor	-3.02%
Commencement of regulatory period	1-Jul-12

<i>Annual revenue adjusted for CPI</i>	Mar-12	Mar-13	Mar-14	Mar-15	Mar-16	Mar-17
CPI	179.5	-	-	-	-	-
CPI	99.9	102.4	-	-	-	-

Nominal annual revenue	2012-13	2013-14	2014-15	2015-16	2016-17
Allowed Revenue	\$835,000,000	\$881,743,952			

<i>Calendar year revenue</i>	2H/2012	2013	2014	2015	2016
Revenue	\$417,500,000	\$858,371,976			

NOTE:

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

Grey cells show calendar year revenue

Green cells are for formula

Powerlink - Performance outcomes

Revenue calendar year

\$858,371,976

S	Performance parameter	Target	Performance without exclusions			Performance with exclusions			Impact of exclusions
			Performance	S-Factor	Final Incentive	Performance	S-Factor	Final Incentive	
S1	Peak transmission circuit availability	98.76%	98.915142%	0.035260%	\$302,659	99.027951%	0.060898%	\$522,730	0.025638%
S2	Transmission line availability	98.76%	98.567835%	-0.016566%	-\$142,197	98.677323%	-0.007127%	-\$61,179	0.009439%
S3	Transformer availability	98.76%	98.210893%	-0.100000%	-\$858,372	98.216751%	-0.100000%	-\$858,372	0.000000%
S4	Reactive plant availability	97.15%	98.792303%	0.091578%	\$786,082	98.792303%	0.091578%	\$786,082	0.000000%
S5	Loss of supply event frequency (No of events > 0.1 system minutes)	4	10	-0.150000%	-\$1,287,558	0	0.150000%	\$1,287,558	0.300000%
S6	Loss of supply event frequency (No of events > 0.75 system minutes)	1	0	0.300000%	\$2,575,116	0	0.300000%	\$2,575,116	0.000000%
S7	Average outage duration	859	581	0.062259%	\$534,412	645	0.047898%	\$411,146	-0.014361%
TOTALS				0.222531%	\$1,910,142		0.543247%	\$4,663,081	0.320716%

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	0.543247%
Financial Incentive	\$4,663,081
Financial year affected by financial incentive	2014/15

Powerlink - Defined exclusions**Parameter 1 - Peak transmission circuit availability**

Defined exclusions	Further description of exclusion	Reference
Unregulated transmission assets 3rd party outage Force majeure Any outage not affecting Powerlink's primary transmission equipment Faults originating from Powerlink owned equipment that affect primary plant or equipment owned by a distributor, connected customer or a generator. Capacitor banks in the winter off peak period.	Any outages shown to be caused by a fault or other event on a '3rd party system' e.g. intertrip signal, generator outage, customer installation Winter off peak is 1 April to 31 October	Service Target Performance Incentive Scheme (March 2011) pp. 25-26.

Parameter 2 - Transmission line availability

Defined exclusions	Further description of exclusion	Reference
Unregulated transmission assets 3rd party outage Force majeure Any outage not affecting Powerlink's primary transmission equipment Faults originating from Powerlink owned equipment that affect primary plant or equipment owned by a distributor, connected customer or a generator. Capacitor banks in the winter off peak period.	Any outages shown to be caused by a fault or other event on a '3rd party system' e.g. intertrip signal, generator outage, customer installation Winter off peak is 1 April to 31 October	Service Target Performance Incentive Scheme (March 2011) pp. 25-26.

Parameter 3 - Transformer availability

Defined exclusions	Further description of exclusion	Reference
Unregulated transmission assets 3rd party outage Force majeure Any outage not affecting Powerlink's primary transmission equipment Faults originating from Powerlink owned equipment that affect primary plant or equipment owned by a distributor, connected customer or a generator. Capacitor banks in the winter off peak period.	Any outages shown to be caused by a fault or other event on a '3rd party system' e.g. intertrip signal, generator outage, customer installation Winter off peak is 1 April to 31 October	Service Target Performance Incentive Scheme (March 2011) pp. 25-26.

Parameter 4 - Reactive plant availability

Defined exclusions	Further description of exclusion	Reference
Unregulated transmission assets 3rd party outage Force majeure Any outage not affecting Powerlink's primary transmission equipment Faults originating from Powerlink owned equipment that affect primary plant or equipment owned by a distributor, connected customer or a generator. Capacitor banks in the winter off peak period.	Any outages shown to be caused by a fault or other event on a '3rd party system' e.g. intertrip signal, generator outage, customer installation Winter off peak is 1 April to 31 October	Service Target Performance Incentive Scheme (March 2011) pp. 25-26.

Parameter 5 - Loss of supply event frequency (No. of events > 0.1 system mins)

Defined exclusions	Further description of exclusion	Reference
Unregulated transmission assets (eg some connection assets) 3rd party outage Planned outages Force majeure	Any outages shown to be caused by a fault or other event on a '3rd party system' e.g. intertrip signal, generator outage, customer installation	Service target performance incentive scheme (March 2011) p. 27

Parameter 6 - Loss of supply event frequency (No. of events > 0.75 system mins)

Defined exclusions	Further description of exclusion	Reference
Unregulated transmission assets 3rd party outage Planned outages Force majeure	Any outages shown to be caused by a fault or other event on a '3rd party system' e.g. intertrip signal, generator outage, customer installation	Service target performance incentive scheme (March 2011) p. 27

Parameter 7 - Average outage duration

Defined exclusions	Further description of exclusion	Reference
Momentary interruptions (less than one minute) Planned outages Force majeure Capacitor banks in the winter off peak period 3rd party outages	Winter off peak is 1 April to 31 October. Any outages shown to be caused by a fault or other event on a '3rd party system' e.g. intertrip signal, generator outage, customer installation.	Service target performance incentive scheme (March 2011) p. 28

Service Target Performance Incentive Scheme - Definition of Force Majeure

Definition of Force Majeure	Reference
<p>For the purpose of applying the <i>service target performance incentive scheme</i>, force majeure events means any event, act or circumstance or combination of events, acts and circumstances which (despite the observance of good electricity industry practice) is beyond the reasonable control of the part affected by any such event, which may include, without limitation, the following:</p> <ul style="list-style-type: none">- fire, lightning, explosion, flood, earthquake, storm, cyclone, action of the elements, riots, civil commotion, malicious damage, natural disaster, sabotage, act of a public enemy, act of God, war (declared or undeclared), blockage, revolution, radioactive contamination, toxic or dangerous chemical contamination or force of nature.- action or inaction by a court, government agency (including denial, refusal or failure to grant any authorisation, despite timely best endeavour to obtain same)- strikes, lockouts, industrial and/or labour disputes and/or difficulties, work bans, blockades, picketing- acts or omissions (other than failure to pay money) of a party other than the TNSP, which party either is connected to or uses the high voltage grid or is directly connected to or uses a system for the supply of electricity that in turn is connected to the high voltage grid- where those acts or omissions affect the ability of the TNSP to perform its obligation under the service standard by virtue of that direct or indirect connection to or use of the high voltage grid <p>In determining what force majeure events should be excluded the AER will consider the following:</p> <ul style="list-style-type: none">- was the event unforeseeable and its impact extraordinary, uncontrollable and not manageable?- does the event occur frequently? If so, how did the impact of the particular event differ?- could the TNSP, in practice, have prevented the impact (not necessarily the event itself)?- could the TNSP have effectively reduced the impact of the event by adopting better practices?	<p>Service Target Performance Incentive Scheme (March 2011) p. 54</p>