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 'S7'** 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.

Powerlink - SERVICE STANDARDS PERFORMANCE

		Performance Inputs					
S	Performance parameter	Collar	Target	Cap	Revenue at Risk	Performance (Without exclusions)	Performance (With exclusions)
S1	Peak transmission circuit availability	98.31%	98.76%	99.20%	0.100%	99.00%	99.01%
S2	Transmission line availability	97.60%	98.76%	99.92%	0.100%	98.29%	98.29%
S3	Transformer availability	98.27%	98.76%	99.24%	0.100%	99.02%	99.03%
S4	Reactive plant availability	94.45%	97.15%	99.84%	0.150%	97.33%	97.33%
S5	Loss of supply event frequency (No of events > 0.1 system minutes)	6	4	2	0.150%	4	1
S6	Loss of supply event frequency (No of events > 0.75 system minutes)	2	1	0	0.30%	3	1
S7	Average outage duration	1,306	859	412	0.10%	601	628

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	2015
Financial year to affect revenue:	2016/17
Date prepared:	29 January 2016
Revision date:	
Circuit information	
Number of peak circuits	607
Number of transmission lines	297
Number of transformers	173
Number of reactive plant	137

Average outage duration information - performance with exclusions	
Duration of unplanned outages (mins)	54613
Number of excluded events	20
Total number of events	87

Average outage duration information - performance without exclusions	
Duration of unplanned outages (mins)	64344
Total number of events	107

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

Other Inputs						
Annual revenue adjusted for CPI	Mar-12	Mar-13	Mar-14	Mar-15	Mar-16	Mar-17
CPI (old base)	179.5					
CPI (new base)	99.9	102.4	105.4	106.8		

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	20150018	T035 Dysart: 1 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	21/01/15	21:48:06	23/01/15	10:59:48	19.195		T035 Dysart 1 Transformer	19.195000	Third party event	
S1		20150030	T032 Blackwater: 7 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	28/01/15	12:01:34	28/01/15	13:21:47	1.337		T032 Blackwater 7 Transformer	1.336944	Third party event	
S1		20150030	T032 Blackwater: 1 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	28/01/15	12:01:34	28/01/15	13:23:01	1.358		T032 Blackwater 1 Transformer	1.357500	Third party event	
S1		20150045	T023 Rockhampton: 1 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	20/02/15	10:38:38	20/02/15	17:46:14	7.127		T023 Rockhampton 1 Transformer	7.126667	Third party event	
S1		20150045	T023 Rockhampton: 5 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	20/02/15	10:38:38	20/02/15	17:59:08	7.342		T023 Rockhampton 5 Transformer	7.341667	Third party event	
S1		20150176	Feeder 7184: T053 Kamerunga to T054 Barron Gorge tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	2/11/15	10:26:40	2/11/15	11:04:48	0.636	Feeder 7184		0.635556	Third party event	
S1		20150176	Feeder 7143: T053 Kamerunga to T054 Barron Gorge tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	2/11/15	10:26:40	2/11/15	11:05:29	0.647	Feeder 7143		0.646944	Third party event	
S1		20150178	Feeder 7184: T053 Kamerunga to T054 Barron Gorge tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	2/11/15	11:17:46	2/11/15	11:27:28	0.162	Feeder 7184		0.161667	Third party event	
S1		20150181	Feeder 0861: H029 Stanwell to H033 Stanwell Power Station tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	6/11/15	12:02:15	6/11/15	15:18:33	3.272	Feeder 0861		3.271667	Third party event	
S1														
S2		20150086	Feeder 8878: H007 Gladstone to H067 Calliope River de-loaded. Event initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	6/05/2015	14:25	6/05/2015	16:32	2.131	Feeder 8878		2.130834	Third party event	
S2		20150096	Feeder 8877: H007 Gladstone to H067 Calliope River de-loaded. Event initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	3/06/15	05:19:27	3/06/15	07:04:33	1.752	Feeder 8877		1.751667	Third party event	
S2		20150099	Feeder 0852: H024 Calvale to H030 Callide B de-loaded. Event initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	19/06/15	13:48:05	19/06/15	20:42:28	6.906	Feeder 0852		6.906389	Third party event	
S2		20150105	Feeder 0823: H012 Mount England to H028 Wivenhoe tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	7/07/15	09:15:35	7/07/15	12:17:11	3.027	Feeder 0823		3.026667	Third party event	
S2		20150132	Feeder 0851: H024 Calvale to H030 Callide B tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	2/09/15	22:00:45	3/09/15	00:33:19	2.543	Feeder 0851		2.542778	Third party event	
S2		20150133	Feeder 0851: H024 Calvale to H030 Callide B tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	3/09/15	00:45:13	3/09/15	00:52:53	0.128	Feeder 0851		0.127778	Third party event	

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 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	Transmission line availability	20150137	Feeder 8876: H067 Calliope River to H007 Gladstone PS Gen 1 de-loaded. Event initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	10/09/15	17:34:52	10/09/15	21:48:36	4.229	Feeder 8876		4.228889	Third party event	
S2		20150149	Feeder 7143: T053 Kamerunga to T054 Barron Gorge tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	30/09/15	15:46:12	30/09/15	16:18:32	0.539	Feeder 7143		0.538889	Third party event	
S2		20150176	Feeder 7184: T053 Kamerunga to T054 Barron Gorge tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	2/11/15	10:26:40	2/11/15	11:04:48	0.636	Feeder 7184		0.635556	Third party event	
S2		20150176	Feeder 7143: T053 Kamerunga to T054 Barron Gorge tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	2/11/15	10:26:40	2/11/15	11:05:29	0.647	Feeder 7143		0.646944	Third party event	
S2		20150178	Feeder 7184: T053 Kamerunga to T054 Barron Gorge tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	2/11/15	11:17:46	2/11/15	11:27:28	0.162	Feeder 7184		0.161667	Third party event	
S2		20150181	Feeder 0861: H029 Stanwell to H033 Stanwell Power Station tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	6/11/15	12:02:15	6/11/15	15:18:33	3.272	Feeder 0861		3.271667	Third party event	
S2									0.000					
S3		20150018	T035 Dysart: 1 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	21/01/2015	21:48	23/01/2015	10:59	37.195		T035 Dysart 1 Transformer	37.195000	Third party event	
S3		20150030	T032 Blackwater: 7 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	28/01/15	12:01:34	28/01/15	13:21:47	1.337		T032 Blackwater 7 Transformer	1.336944	Third party event	
S3		20150030	T032 Blackwater: 1 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	28/01/15	12:01:34	28/01/15	13:23:01	1.358		T032 Blackwater 1 Transformer	1.357500	Third party event	
S3		20150045	T023 Rockhampton: 1 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	20/02/15	10:38:38	20/02/15	17:46:14	7.127		T023 Rockhampton 1 Transformer	7.126667	Third party event	
S3		20150045	T023 Rockhampton: 5 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	20/02/15	10:38:38	20/02/15	17:59:08	7.342		T023 Rockhampton 5 Transformer	7.341666	Third party event	
S3	Transformer availability	20150063	T048 Tully: 2 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	28/03/15	02:58:55	28/03/15	04:37:27	1.642		T048 Tully 2 Transformer	1.642222	Third party event	
S3		20150076	T035 Dysart: 1 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	27/04/15	14:50:53	28/04/15	16:07:51	25.283		T035 Dysart 1 Transformer	25.282778	Third party event	
S3		20150092	T035 Dysart: 1 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	27/05/15	13:32:04	28/05/15	13:38:00	24.099		T035 Dysart 1 Transformer	24.098889	Third party event	
S3		20150107	T035 Dysart: 1 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	12/07/15	23:58:41	13/07/15	15:12:03	15.223		T035 Dysart 1 Transformer	15.222778	Third party event	
S3		20150115	T035 Dysart: 2 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	1/08/15	20:58:28	2/08/15	19:57:33	22.985		T035 Dysart 2 Transformer	22.984722	Third party event	
S3		20150232	T187 Richlands: 2 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	13/12/15	03:11:44	13/12/15	04:55:21	1.727		T187 Richlands 2 Transformer	1.726944	Third party event	

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								0.000					
S4								0.000					
S4								0.000					
S4								0.000					
S4	Reactive plant availability							0.000					
S4								0.000					
S4								0.000					
S4								0.000					
S4								0.000					

Exclusion calculation data		Public holidays 2015			Start	End	No of peak weekdays in
Peak start	Peak finish		1/01/2015	Period 1	1/01/2015	31/12/2015	253
7:00	22:00	26/01/2015					
		3/04/2015					
		4/04/2015					
		6/04/2015					
		25/04/2015					
		8/06/2015					
		5/10/2015					
		25/12/2015					
		26/12/2015					
		28/12/2015					

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)	20150030	T032 Blackwater: Transformers 7 and 1 de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	28/01/2015	12:01:34 PM	28/01/2015	1:21:47 PM	T032 Blackwater 7 Transformer and 1 Transformer	8891 MW	52MW, 80 mins		1	Third party event	
S5		20150045	T023 Rockhampton: Transformers 1 and 5 de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	20/02/2015	10:38:38 AM	20/02/2015	5:46:14 PM	T023 Rockhampton 1 Transformer and 5 Transformer	8891 MW	16MW, 428 mins		1	Third party event	
S5		20150240	Distribution Feeder: 7244Tangkam to Dalby tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	23/12/2015	7:30:21 PM	24/12/2015	9:52:17 AM	Nil	8891 MW	22MW, 862 mins		1	Third party event	
S5														
S6	Loss of supply event frequency (No of events > 0.75 system minutes)	20150045	T023 Rockhampton: Transformers 1 and 5 de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	20/02/2015	10:38:38 AM	20/02/2015	5:46:14 PM	T023 Rockhampton 1 Transformer and 5 Transformer	8891 MW	16MW, 428 mins		1	Third party event	
S6		20150240	Distribution Feeder: 7244Tangkam to Dalby tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	23/12/2015	7:30:21 PM	24/12/2015	9:52:17 AM	Nil	8891 MW	22MW, 862 mins		1	Third party event	
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		20150018	T035 Dysart: 1 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	21/01/2015	9:48:06 PM	23/01/2015	10:59:48 AM		T035 Dysart 1 Transformer	2231.700		Third party event	
S7		20150030	T032 Blackwater: 7 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	28/01/2015	12:01:34 PM	28/01/2015	1:21:47 PM		T032 Blackwater 7 Transformer				
S7		20150030	T032 Blackwater: 1 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	28/01/2015	12:01:34 PM	28/01/2015	1:23:01 PM		T032 Blackwater 1 Transformer	81.450		Third party event	
S7		20150045	T023 Rockhampton: 1 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	20/02/2015	10:38:38 AM	20/02/2015	5:46:14 PM		T023 Rockhampton 1 Transformer				
S7		20150045	T023 Rockhampton: 5 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	20/02/2015	10:38:38 AM	20/02/2015	5:59:08 PM		T023 Rockhampton 5 Transformer	440.500		Third party event	
S7		20150063	T048 Tully: 2 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	28/03/2015	2:58:55 AM	28/03/2015	4:37:27 AM		T048 Tully 2 Transformer	98.533		Third party event	
S7		20150076	T035 Dysart: 1 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	27/04/2015	2:50:53 PM	28/04/2015	4:07:51 PM		T035 Dysart 1 Transformer	1516.967		Third party event	
S7		20150086	Feeder 8878: H007 Gladstone to H067 Calliope River de-loaded. Event initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	6/05/2015	2:25:06 PM	6/05/2015	4:32:57 PM	Feeder 8878		127.850		Third party event	
S7		20150092	T035 Dysart: 1 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	27/05/2015	1:32:04 PM	28/05/2015	1:38:00 PM		T035 Dysart 1 Transformer	1445.933		Third party event	
S7		20150096	Feeder 8877: H007 Gladstone to H067 Calliope River de-loaded. Event initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	3/06/2015	5:19:27 AM	3/06/2015	7:04:33 AM	Feeder 8877		105.100		Third party event	
S7		20150099	Feeder 0852: H024 Calvale to H030 Callide B de-loaded. Event initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	19/06/2015	1:48:05 PM	19/06/2015	8:42:28 PM	Feeder 0852		414.383		Third party event	
S7	Average outage duration	20150105	Feeder 0823: H012 Mount England to H028 Wivenhoe tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	7/07/2015	9:15:35 AM	7/07/2015	12:17:11 PM	Feeder 0823		181.600		Third party event	

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		20150107	T035 Dysart: 1 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	12/07/2015	11:58:41 PM	13/07/2015	3:12:03 PM		T035 Dysart 1 Transformer	913.367		Third party event	
S7		20150115	T035 Dysart: 2 Transformer tripped. Trip initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	1/08/2015	8:58:28 PM	2/08/2015	7:57:33 PM		T035 Dysart 2 Transformer	1379.083		Third party event	
S7		20150132	Feeder 0851: H024 Calvale to H030 Callide B tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	2/09/2015	10:00:45 PM	3/09/2015	12:33:19 AM	Feeder 0851		152.567		Third party event	
S7		20150133	Feeder 0851: H024 Calvale to H030 Callide B tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	3/09/2015	12:45:13 AM	3/09/2015	12:52:53 AM	Feeder 0851		7.667		Third party event	
S7		20150137	Feeder 8876: H067 Calliope River to H007 Gladstone PS Gen 1 de-loaded. Event initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	10/09/2015	5:34:52 PM	10/09/2015	9:48:36 PM	Feeder 8876		253.733		Third party event	
S7		20150149	Feeder 7143: T053 Kamerunga to T054 Barron Gorge tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	30/09/2015	3:46:12 PM	30/09/2015	4:18:32 PM	Feeder 7143		32.333		Third party event	
S7		20150176	Feeder 7184: T053 Kamerunga to T054 Barron Gorge tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	2/11/2015	10:26:40 AM	2/11/2015	11:04:48 AM	Feeder 7184					
S7		20150176	Feeder 7143: T053 Kamerunga to T054 Barron Gorge tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	2/11/2015	10:26:40 AM	2/11/2015	11:05:29 AM	Feeder 7143		38.817		Third party event	
S7		20150178	Feeder 7184: T053 Kamerunga to T054 Barron Gorge tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	2/11/2015	11:17:46 AM	2/11/2015	11:27:28 AM	Feeder 7184		9.700		Third party event	
S7		20150181	Feeder 0861: H029 Stanwell to H033 Stanwell Power Station tripped. Trip initiated by generator. Powerlink plant and equipment operated as expected.	Generation issue	6/11/2015	12:02:15 PM	6/11/2015	3:18:33 PM	Feeder 0861		196.300		Third party event	
S7		20150232	T187 Richlands: 2 Transformer de-loaded. Event initiated by distribution network. Powerlink plant and equipment operated as expected.	Distribution issue	13/12/2015	3:11:44 AM	13/12/2015	4:55:21 AM		T187 Richlands 2 Transformer	103.617		Third party event	
S7														

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.

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 - 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%			0.000543	0.000553
	=	0.227273	x	Availability	+	-0.224455	98.76% ≤ Availability ≤ 99.20%			0.000555	0.000565
	=	0.001000					99.20% < Availability			0.001000	0.001000

| Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Peak transmission circuit availability	=	99.004373%	99.008703%
S-Factor	=	0.055539%	0.056523%

NOTE:

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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 Service Standards
S1 - Peak transmission circuit availability
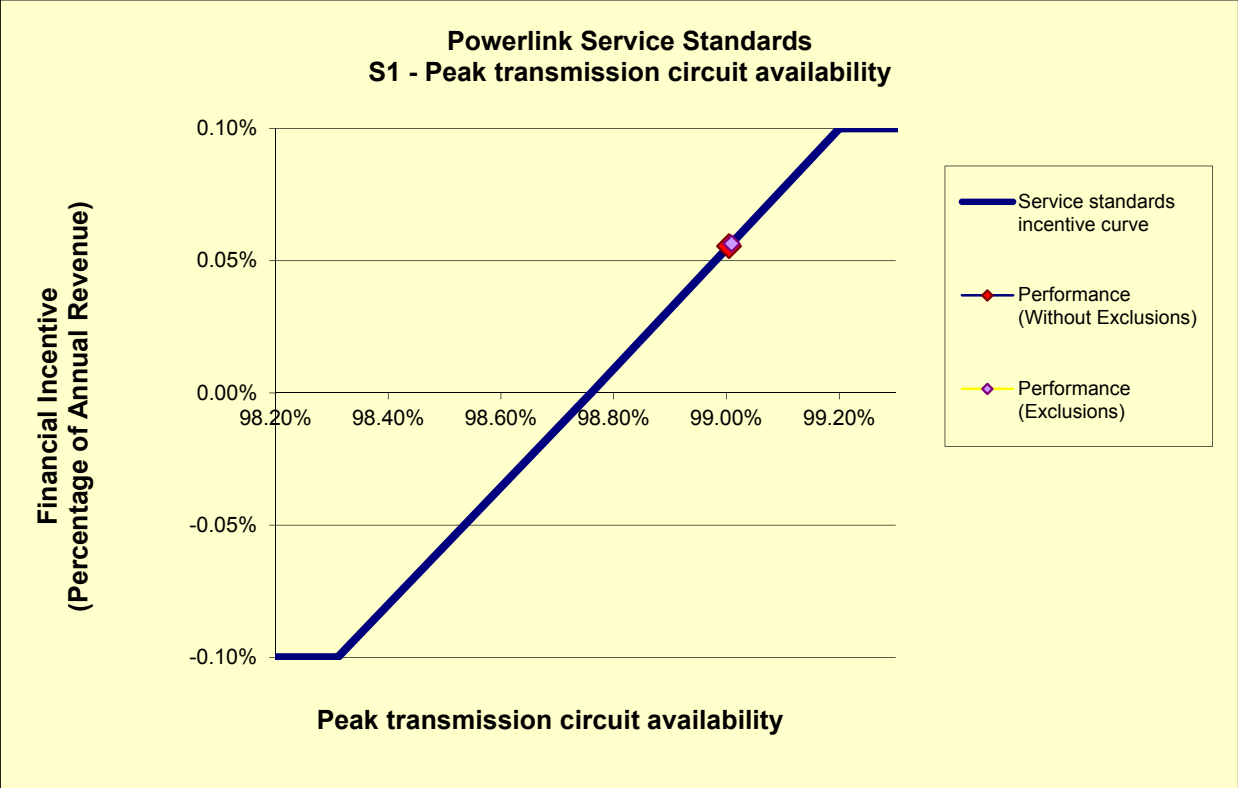
Powerlink - S2 - Transmission line availability

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%	-0.000405	-0.000404
	=	0.086207	x	Availability	+	-0.085138	98.76%	≤	Availability	≤	99.92%	-0.000405	-0.000404
	=	0.001000					99.92%	<	Availability			0.001000	0.001000

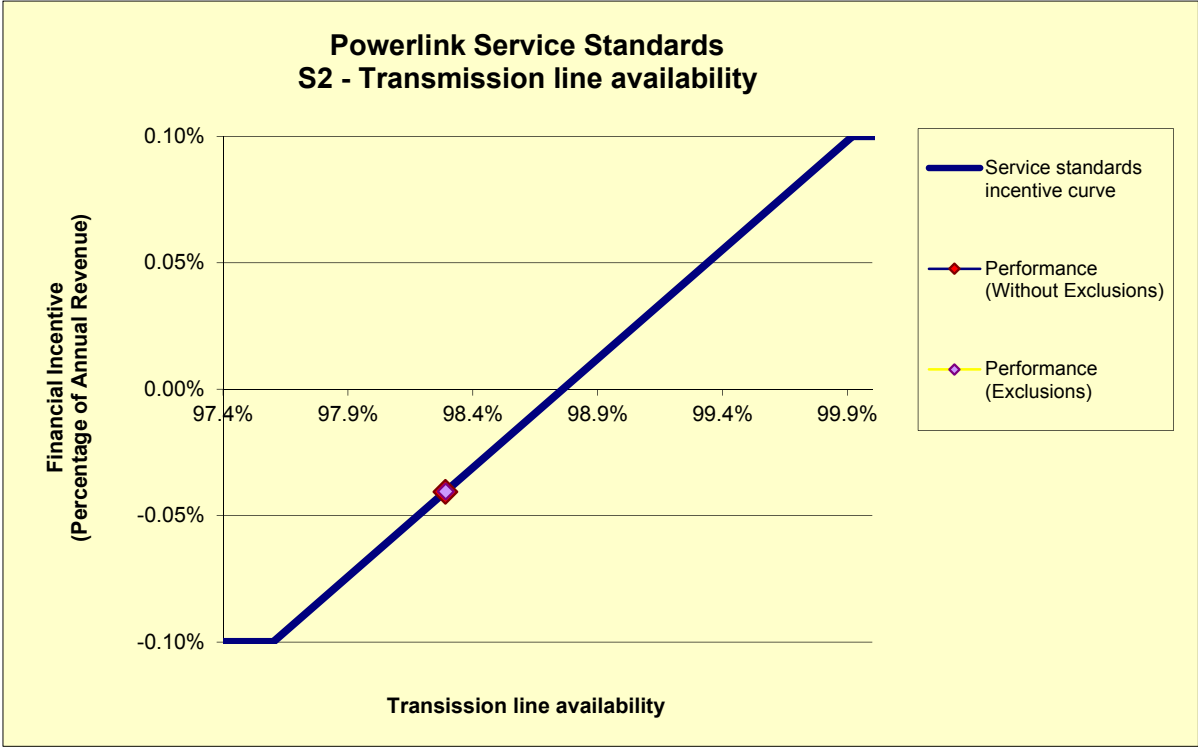| Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Transmission line availability	=	98.289799%	98.290798%
S-Factor	=	-0.040535%	-0.040448%

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Powerlink Service Standards
S2 - Transmission line availability

Y-axis: Financial Incentive (Percentage of Annual Revenue)
X-axis: Transsission line availability

Legend:
- Service standards incentive curve
- Performance (Without Exclusions)
- Performance (Exclusions)

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%	0.000537	0.000557
	=	0.208333	x	Availability	+	-0.205750	98.76%	≤ Availability ≤		99.24%	0.000548	0.000568
	=	0.001000					99.24%	<	Availability		0.001000	0.001000

| Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Transformer availability	=	99.023084%	99.032723%
S-Factor	=	0.054809%	0.056817%

NOTE:

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Powerlink Service Standards
S3 - Transformer availability
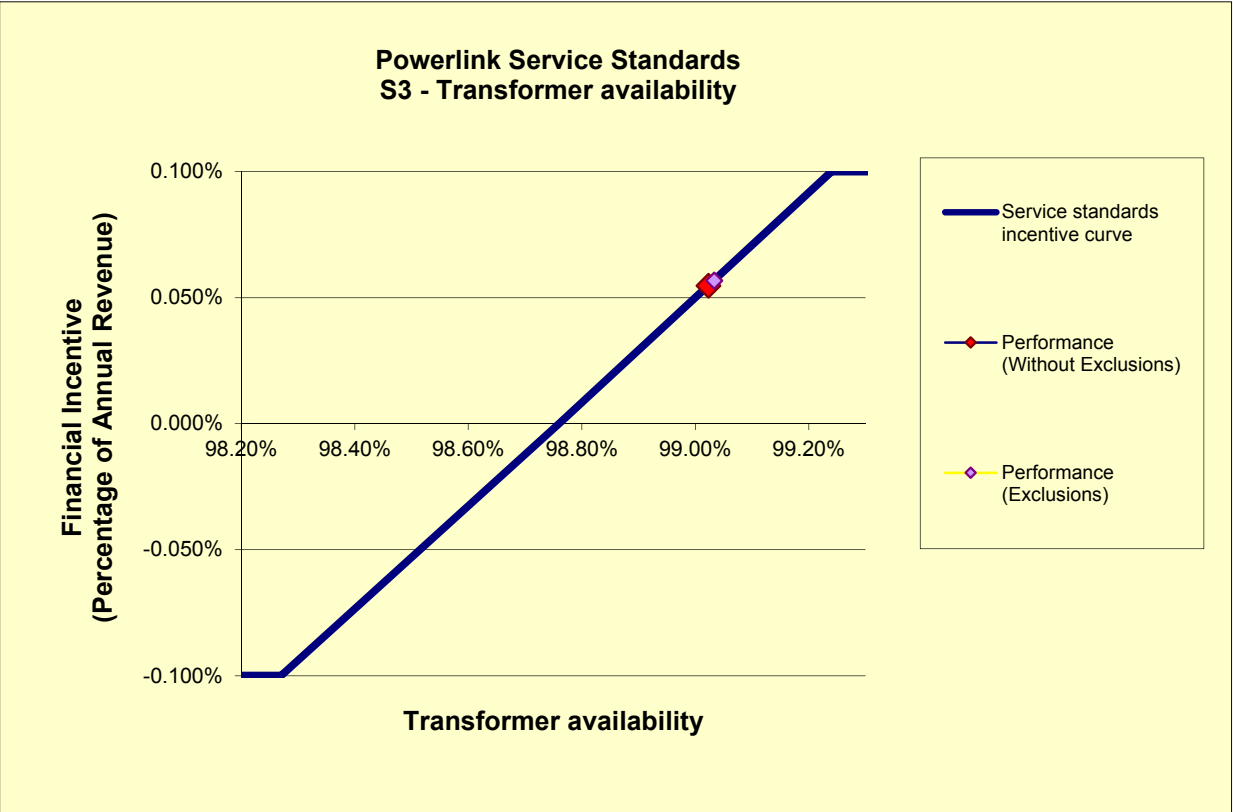
Powerlink - S4 - Reactive plant availability

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%	0.000100	0.000100
	=	0.055762	x	Availability	+	-0.054173	97.15%	≤	Availability	≤	99.84%	0.000101	0.000101
	=	0.001500					99.84%	<	Availability		0.001500	0.001500

| Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Reactive plant availability	=	97.330686%	97.330686%
S-Factor	=	0.010075%	0.010075%

NOTE:

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

Powerlink Service Standards
S4 - Reactive plant availability
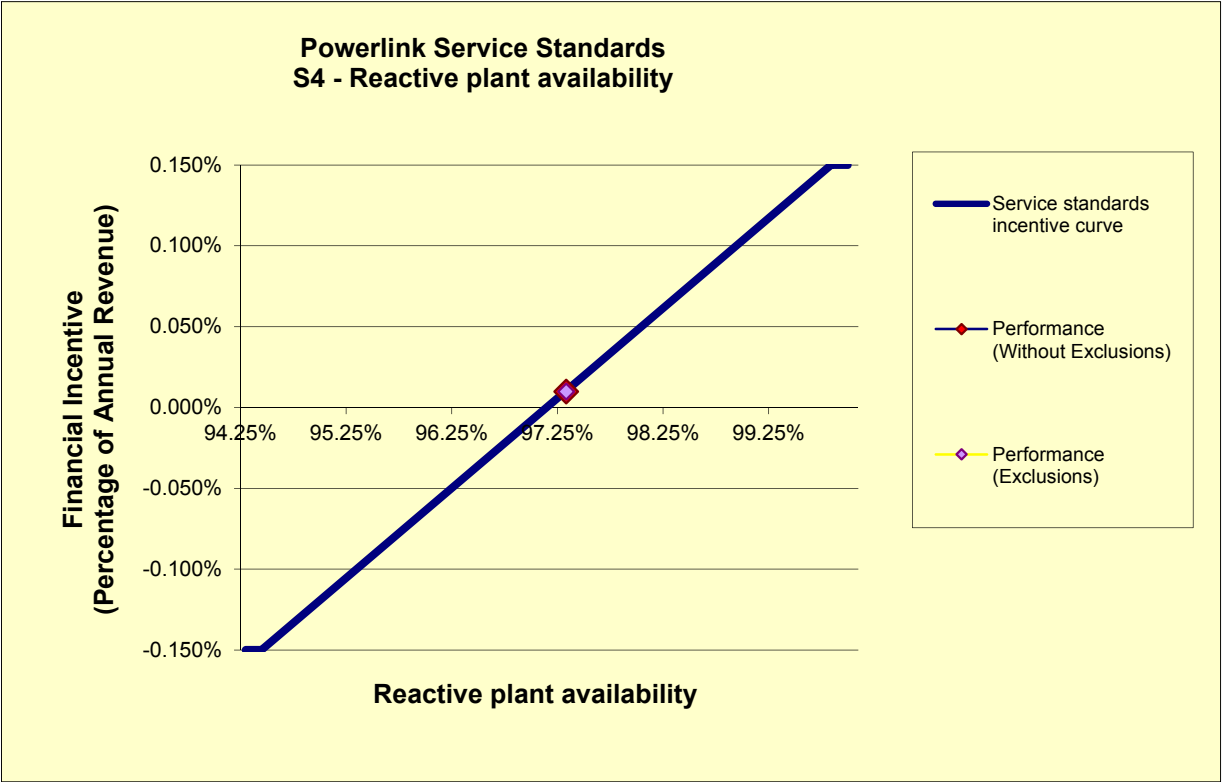
Powerlink - S5 - Loss of supply event frequency (No of events > 0.1 system minutes)

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Loss of supply event frequency (No of events > 0.1 system minutes)	0	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		0.000000	0.002250
	=	-0.000750	x	No. of events	+ 0.003000	2 ≤ No. of events ≤	4		0.000000	0.002250
	=	0.001500				No. of events <	2		0.001500	0.001500

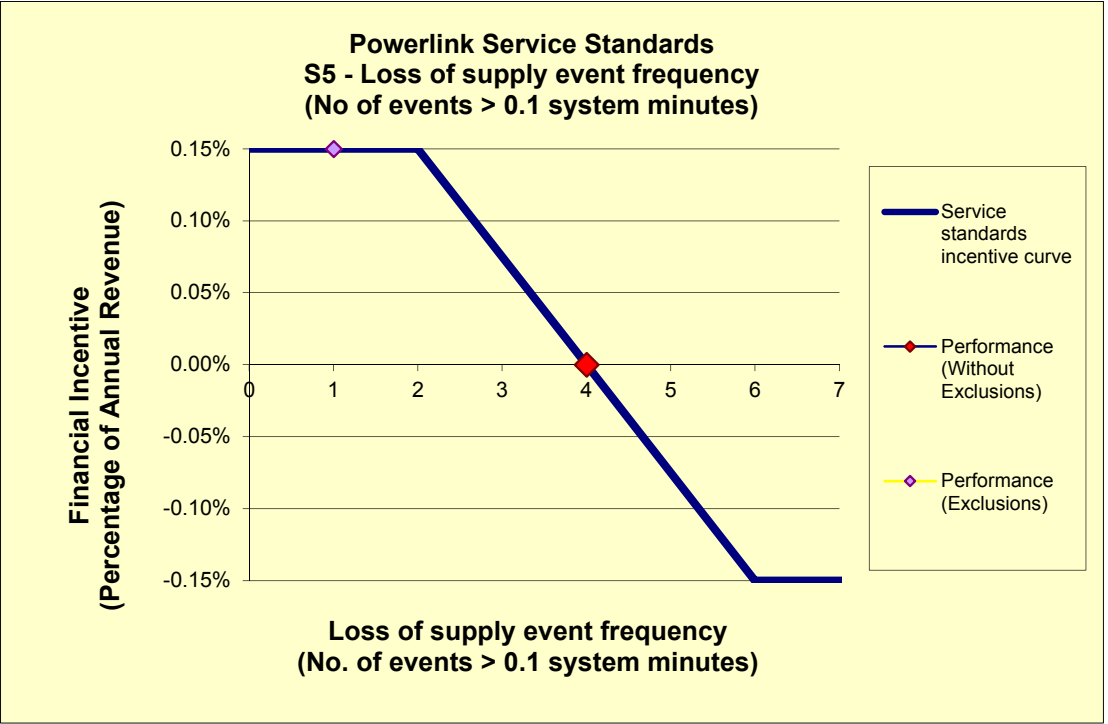| Loss of supply event frequency (No of events > 0.1 system minutes)	=	Performance (Without Exclusions)	Performance (Exclusions)
Loss of supply event frequency (No of events > 0.1 system minutes)	=	4	1
S-Factor		0.000000%	0.150000%

NOTE:

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

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

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	+ 0.003000	1	≤	No. of events ≤	2	-0.006000	0.000000
	=	-0.003000	x	No. of events	+ 0.003000	0	≤	No. of events ≤	1	-0.006000	0.000000
	=	0.003000						No. of events =	0	0.003000	0.003000

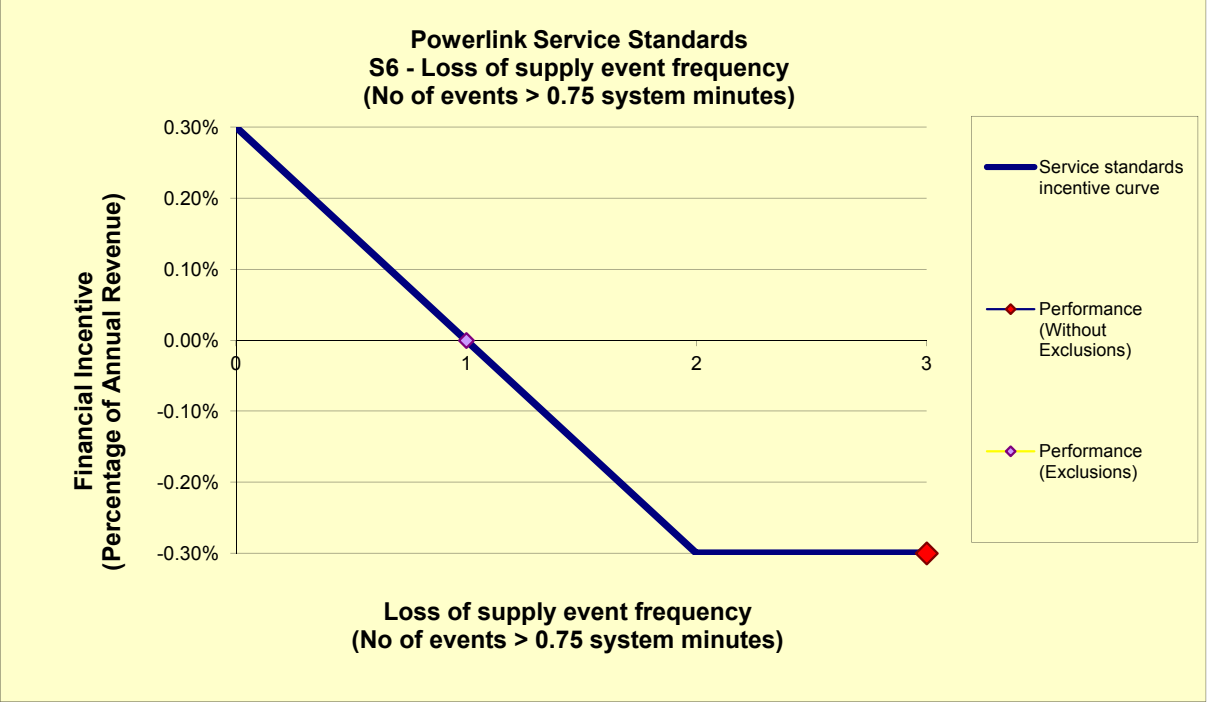| Loss of supply event frequency (No of events > 0.75 system minutes)	=	Performance (Without Exclusions)	Performance (Exclusions)
Loss of supply event frequency (No of events > 0.75 system minutes)	=	3	1
S-Factor		-0.300000%	0.000000%

NOTE:

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

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	0.000576	0.000517
	=	-0.000002	x	Duration	+	0.001922	412	≤	Duration	≤	859	0.000576	0.000517
	=	0.001000					Duration	<	412	0.001000	0.001000

| Average outage duration	=	Performance (Without Exclusions)	Performance (Exclusions)
Average outage duration	=	601.348598	627.736782
S-Factor		0.057640%	0.051737%

NOTE:

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

Powerlink Service Standards
S7 - Average outage duration
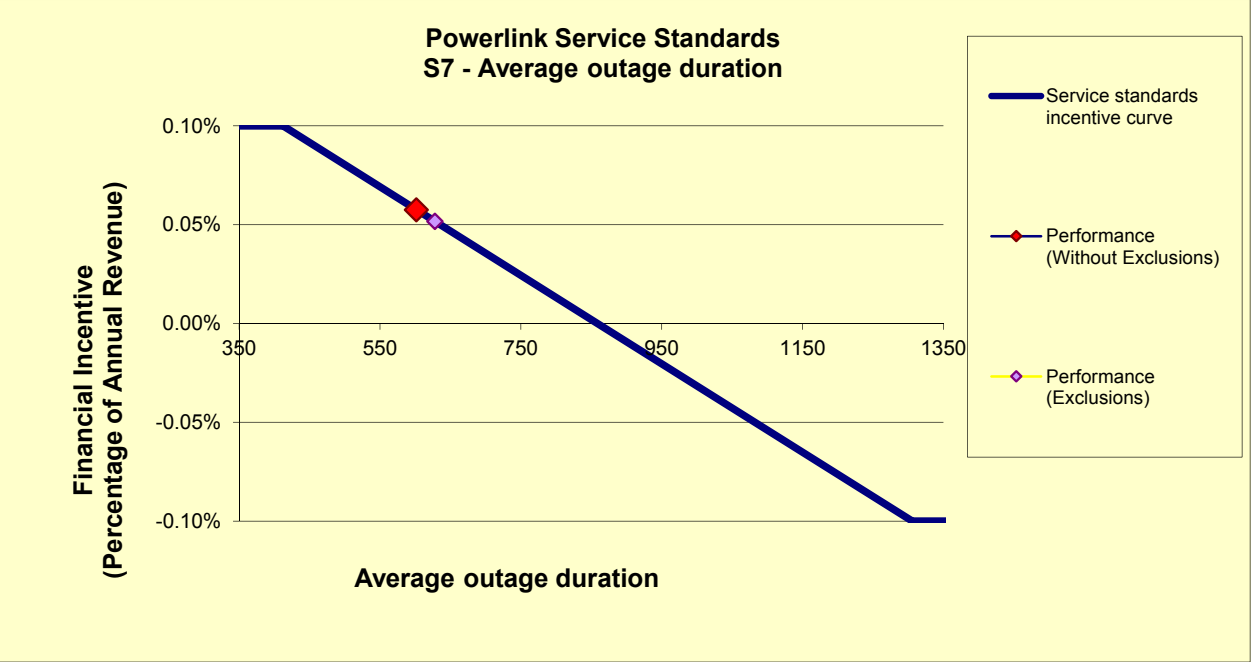
Powerlink - Revenue Calculation

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

Annual revenue adjusted for CPI	Mar-12	Mar-13	Mar-14	Mar-15	Mar-16	Mar-17
CPI	179.5	-	-	-	-	-
CPI	99.9	102.4	105.4	106.8	-	-

Nominal annual revenue	2012-13	2013-14	2014-15	2015-16	2016-17
Allowed Revenue	$835,000,000	$881,743,952	$934,985,098	$976,015,864	

Calendar year revenue	2H/2012	2013	2014	2015	2016
Revenue	$417,500,000	$858,371,976	$908,364,525	$955,500,481	

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			$955,500,481					

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%	99.004373%	0.055539%	$530,679	99.008703%	0.056523%	$540,080	0.000984%
S2	Transmission line availability	98.76%	98.289799%	-0.040535%	-$387,308	98.290798%	-0.040448%	-$386,485	0.000086%
S3	Transformer availability	98.76%	99.023084%	0.054809%	$523,702	99.032723%	0.056817%	$542,890	0.002008%
S4	Reactive plant availability	97.15%	97.330686%	0.010075%	$96,271	97.330686%	0.010075%	$96,271	0.000000%
S5	Loss of supply event frequency (No of events > 0.1 system minutes)	4	4	0.000000%	$0	1	0.150000%	$1,433,251	0.150000%
S6	Loss of supply event frequency (No of events > 0.75 system minutes)	1	3	-0.300000%	-$2,866,501	1	0.000000%	$0	0.300000%
S7	Average outage duration	859	601	0.057640%	$550,752	628	0.051737%	$494,345	-0.005903%
	TOTALS			-0.162470%	-$1,552,406		0.284704%	$2,720,351	0.447175%

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	0.284704%
Financial Incentive	$2,720,351
Financial year affected by financial incentive	2016/17