

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.

SP AusNet - SERVICE STANDARDS PERFORMANCE

Performance Inputs								
S	Performance parameter	Collar	Target	Cap	Revenue at Risk	Performance (Without exclusions)	Performance (With exclusions) TNSP Version	Performance (With exclusions) AER Version
S1	Total circuit availability	98.41%	98.73%	99.05%	0.20%	99.06%	99.18%	-1988941.47%
S2	Peak critical availability	98.62%	99.39%	99.78%	0.20%	99.55%	99.69%	-74601.08%
S3	Peak non-critical availability	98.83%	99.40%	99.69%	0.05%	99.83%	99.89%	-5601.84%
S4	Intermediate critical availability	97.29%	98.67%	99.36%	0.025%	99.58%	99.67%	-19036.92%
S5	Intermediate non-critical availability	97.57%	98.73%	99.31%	0.025%	98.77%	98.91%	-10621.23%
S6	Loss of supply event frequency (no. of events > 0.05 system minutes per annum)	9	6	3	0.125%	5	5	5
S7	Loss of supply event frequency (no. of events > 0.3 system minutes per annum)	4	1	0	0.125%	1	1	1
S8	Average outage duration– lines (minutes)	667	382	98	0.125%	223	223	216
S9	Average outage duration– transformers (minutes)	556	412	268	0.125%	238	238	207

Revenue Determination Inputs	
TNSP:	SP AusNet
STPIS version:	January, 2007
Regulatory Determination	2008/09-2013/14
Base Year Allowed Revenue	\$454,974,504
Base Year	2008/09
X-factor	-1.01%
Commencement of regulatory year	1-Apr-08

Other inputs	
Assessment Period	2013
Financial year to affect revenue:	2014/15
Date prepared:	
Revision date:	

Other Inputs								
Annual revenue adjusted for CPI	Dec-07	Dec-08	Dec-09	Dec-10	Dec-11	Dec-12	Dec-13	Dec-14
CPI (old ABS index)	160.1	166.0	169.5	174.0	179.4	0.0		
CPI (new ABS index)	89.1	92.4	94.3	96.9	99.8	102.0		

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.

SP AUSNET - 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	Circuits affected	Reactive plant or transformer	Quantitative impact	Reasons for exclusion request	Further references	Comments
Name of any circuit availability parameters applying to SP AusNet	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 reactive plant or transformer 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. Exclusion 1.2 Third party event.	A TNSP may provide further details of an exclusion event. TNSP to provide reference.	Details of reference attachments if applicable
	KTS B3 Trans Tripped		FAULT	9/01/13	01:37:00	9/01/13	16:07:00		B3 220/66KV TRANS AT KTS	14.500	EXCLUDE 1.2 Connection asset	WO # 10383058	
	OVERHAUL A		SPIMAIN	10/01/13	07:09:00	10/01/13	16:14:00		B4 220/66KV TRANS AT BLTS	9.083	EXCLUDE 1.2 Connection asset	WO # 10354723	
	OVERHAUL A		SPIMAIN	11/01/13	06:38:00	11/01/13	14:33:00		B4 220/66KV TRANS AT BLTS	7.917	EXCLUDE 1.2 Connection asset	WO # 10354723	
	B4 Trans Out Of		SPIMAIN	12/01/13	20:57:00	13/01/13	05:27:24		B4 220/66KV TRANS AT RTS	8.507	EXCLUDE 1.2 Connection asset	WO # 10383097	
	Transfer conductor	ZB12 - (RTS) TEMPORARY 5TH 220/66KV	SPICAPX	13/01/13	05:33:00	13/01/13	19:29:00		B4 220/66KV TRANS AT RTS	13.933	EXCLUDE 1.2 Connection asset	WO # ZB1258F1	
	2a cap bk weeds in		SPIMAIN	16/01/13	08:00:00	16/01/13	09:24:00		NO.2A 66KV CAPACITOR BANK	1.400	EXCLUDE 1.1 Unregulated transmission asset	WO # 10383204	
	Rebate W/O		FAULT	20/01/13	18:37:00	20/01/13	19:17:00		B3 220/66KV TRANS AT RTS	0.667	EXCLUDE 1.2 Connection asset	WO # 10385087	
	Rebate W/O		FAULT	20/01/13	18:37:00	20/01/13	19:17:00		B6 220/66KV TRANS AT RTS	0.667	EXCLUDE 1.1 Unregulated transmission asset	WO # 10385089	
	Rebate W/O		FAULT	20/01/13	18:37:00	20/01/13	19:17:00		L4 220/22KV TRANS AT RTS	0.667	EXCLUDE 1.2 Connection asset	WO # 10385090	
	Disconnect B1 Trans	X923 - REPAIR OF THE FAILED EX TTS B1	SPICAPX	21/01/13	06:09:00	21/01/13	17:28:00		SPARE METRO 220/66KV	11.317	EXCLUDE 1.2 Connection asset	WO # X92358A1	
	OVERHAUL NO 1		SPIMAIN	21/01/13	07:14:00	21/01/13	16:58:00		B1 220/66KV TRANS GROUP	9.733	EXCLUDE 1.2 Connection asset	WO # 10355183	
	Terminate B3 Tr 11KV	X923 - REPAIR OF THE FAILED EX TTS B1	SPICAPX	22/01/13	06:03:00	22/01/13	12:48:00		B3 220/66KV TRANS AT TTS	6.750	EXCLUDE 1.2 Connection asset	WO # X92358A5	
	OVERHAUL NO 1		SPIMAIN	22/01/13	06:56:00	22/01/13	17:05:00		B1 220/66KV TRANS GROUP	10.150	EXCLUDE 1.2 Connection asset	WO # 10355183	
	SFT Test B3 Future	X923 - REPAIR OF THE FAILED EX TTS B1	SPICAPX	22/01/13	12:48:00	22/01/13	17:51:00		B3 220/66KV TRANS AT TTS	5.050	EXCLUDE 1.2 Connection asset	WO # X92358A3	
	OVERHAUL NO 1		SPIMAIN	23/01/13	07:01:00	23/01/13	16:17:00		B1 220/66KV TRANS GROUP	9.267	EXCLUDE 1.2 Connection asset	WO # 10355183	
	Trip of B3 Trans at		FAULT	23/01/13	11:48:00	23/01/13	16:38:00		B3 220/66KV TRANS AT ERTS	4.833	EXCLUDE 1.2 Connection asset	WO # 10383607	
	Decommission B1	X923 - REPAIR OF THE FAILED EX TTS B1	SPICAPX	24/01/13	06:08:00	24/01/13	15:23:00		SPARE METRO 220/66KV	9.250	EXCLUDE 1.2 Connection asset	WO # X92358A4	
	OVERHAUL NO 1		SPIMAIN	24/01/13	10:31:00	24/01/13	15:42:00		B1 220/66KV TRANS GROUP	5.183	EXCLUDE 1.2 Connection asset	WO # 10355183	
	OVERHAUL NO 1		SPIMAIN	25/01/13	07:05:00	25/01/13	15:13:00		B1 220/66KV TRANS GROUP	8.133	EXCLUDE 1.2 Connection asset	WO # 10355183	
	rebate outage		FORCED	30/01/13	18:03:00	30/01/13	18:22:00		B2 220/66KV TRANS AT ATS	0.317	EXCLUDE 1.2 Connection asset	WO # 10384199	
	rebate outage		FORCED	30/01/13	18:05:00	30/01/13	18:19:00		NO.2 220KV CAPACITOR BANK	0.233	EXCLUDE 1.1 Unregulated transmission asset	WO # 10384200	
	Perf calc W/O No4	Z907 - (BETS) INSTALL TWO NEW 75MVA	DB_AUG	31/01/13	05:37:00	31/01/13	19:57:00		B4 220/66KV TRANS AT BETS	14.333	EXCLUDE 1.2 Connection asset	WO # Z90758D1	
	B1 Trans trip		FAULT	31/01/13	19:24:00	31/01/13	23:59:59		B1 220/66KV TRANS AT FBTS	4.600	EXCLUDE 1.2 Connection asset	WO # 10383985	
	B1 Trans trip		FAULT	1/02/13	00:00:00	1/02/13	17:29:00		B1 220/66KV TRANS AT FBTS	17.483	EXCLUDE 1.2 Connection asset	WO # 10383985	
	Perf calc W/O No4	Z907 - (BETS) INSTALL TWO NEW 75MVA	DB_AUG	1/02/13	05:50:00	1/02/13	20:38:00		B4 220/66KV TRANS AT BETS	14.800	EXCLUDE 1.2 Connection asset	WO # Z90758D3	
	Trip of B2 Transformer		FAULT	6/02/13	19:49:00	6/02/13	19:55:00		B2 220/66KV TRANS AT TBTS	0.100	EXCLUDE 1.2 Connection asset	WO # 10384163	
	Perf calc W/O No4	Z907 - (BETS) INSTALL TWO NEW 75MVA	DB_AUG	10/02/13	04:35:00	10/02/13	19:35:00		B4 220/66KV TRANS AT BETS	15.000	EXCLUDE 1.2 Connection asset	WO # Z90758D5	
	Perf calc W/O No4	Z907 - (BETS) INSTALL TWO NEW 75MVA	DB_AUG	12/02/13	05:45:00	12/02/13	16:26:00		B4 220/66KV TRANS AT BETS	10.683	EXCLUDE 1.2 Connection asset	WO # Z90758D9	
	PTH No1 Line VSCAP	Outage requested by APDALCOA	APDALCOA	12/02/13	06:32:00	12/02/13	12:18:00	PT. HENRY NO.1 220KV		5.767	EXCLUDE 1.3 Third party outage	WO # 10383655	WO 10383655 GTSPTH No1
	Rebate child for bus		FAULT	12/02/13	14:57:00	12/02/13	15:24:00		NO.3 220/22KV TRANS BANK	0.450	EXCLUDE 1.2 Connection asset	WO # 10413830	
	Rebate child for bus		FAULT	12/02/13	14:57:00	12/02/13	15:24:00		L3 220/22KV TRANS AT RWTS	0.450	EXCLUDE 1.2 Connection asset	WO # 10413831	
	Perf calc W/O No4	Z907 - (BETS) INSTALL TWO NEW 75MVA	DB_AUG	13/02/13	04:43:00	13/02/13	13:17:00		B4 220/66KV TRANS AT BETS	8.567	EXCLUDE 1.2 Connection asset	WO # Z90758D9	
	Aux Trans C	Outage requested by GENCO	GENCO	13/02/13	12:06:00	15/02/13	14:58:00		AUX D 220/22KV TRANS AT	50.867	EXCLUDE 1.3 Third party outage	WO # 10384391	WO 10384391 YPS Aux C 13 Feb
	Perf calc W/O No4	Z907 - (BETS) INSTALL TWO NEW 75MVA	DB_AUG	15/02/13	22:06:00	16/02/13	09:59:00		B4 220/66KV TRANS AT BETS	11.883	EXCLUDE 1.2 Connection asset	WO # Z90758E1	
	De-energise B2 Trans	XA15 - (KTS) 220/66KV TRANSFORMER	SPICAPX	16/02/13	07:15:00	16/02/13	13:21:00		EX - B2 220/66KV TRANS AT	6.100	EXCLUDE 1.2 Connection asset	WO # XA1558F5	
	Project Work On No.5	X874 - (BLTS) STATION REBUILD	SPICAPX	20/02/13	05:45:00	20/02/13	19:41:00		EX - B5 220/66KV TRANS GROUP	13.933	EXCLUDE 1.2 Connection asset	WO # X87458U2	
	HYTS No 2 Line off-	Outage requested by APDALCOA	APDALCOA	20/02/13	10:46:00	20/02/13	13:23:00	HYTS-APD 2 500KV W		2.617	EXCLUDE 1.3 Third party outage	WO # 10384542	WO 10384542 HYTS-APD 2 de-en 20
	Trip of B2 Trans		FAULT	20/02/13	10:51:00	20/02/13	10:57:00		B2 220/66KV TRANS AT TBTS	0.100	EXCLUDE 1.2 Connection asset	WO # 10384661	
	Overhaul Trans &		SPIMAIN	22/02/13	07:05:00	22/02/13	14:50:00		B4 220/66KV TRANS AT RTS	7.750	EXCLUDE 1.2 Connection asset	WO # 10351611	
	No2 Tran Grp de	Z907 - (BETS) INSTALL TWO NEW 75MVA	SPICAPX	22/02/13	07:30:00	22/02/13	17:06:00		EX - NO.2 220/66/22KV TRANS	9.600	EXCLUDE 1.2 Connection asset	WO # Z90758E2	
	No2 Tran Grp de	Z907 - (BETS) INSTALL TWO NEW 75MVA	SPICAPX	23/02/13	07:19:00	23/02/13	14:12:00		EX - NO.2 220/66/22KV TRANS	6.883	EXCLUDE 1.2 Connection asset	WO # Z90758E2	
	APD Switching	Outage requested by APDALCOA	APDALCOA	24/02/13	08:32:00	24/02/13	08:43:00	HYTS-APD 2 500KV W		0.183	EXCLUDE 1.3 Third party outage	WO # 10384837	WO 10384837 HYTSAPD No2
	No2 Tran Grp de	Z907 - (BETS) INSTALL TWO NEW 75MVA	SPICAPX	25/02/13	07:29:00	25/02/13	12:04:00		EX - NO.2 220/66/22KV TRANS	4.583	EXCLUDE 1.2 Connection asset	WO # Z90758E2	
	Audit SHTS - oil leaks		SPIMAIN	26/02/13	07:10:00	26/02/13	16:24:00		B3 220/66KV TRANS AT SHTS	9.233	EXCLUDE 1.2 Connection asset	WO # 10316873	
	No2 Tran Grp de	Z907 - (BETS) INSTALL TWO NEW 75MVA	SPICAPX	26/02/13	08:43:00	26/02/13	16:12:00		EX - NO.2 220/66/22KV TRANS	7.483	EXCLUDE 1.2 Connection asset	WO # Z90758E2	
	Works Associated with	VC41 - (KTS) TRANSFORMER OIL LEAK	SPICAPX	27/02/13	06:40:00	28/02/13	14:47:00		B3 220/66KV TRANS AT KTS	32.117	EXCLUDE 1.2 Connection asset	WO # VC4158A1	
	Audit SHTS - oil leaks		SPIMAIN	27/02/13	07:12:00	27/02/13	16:25:00		B3 220/66KV TRANS AT SHTS	9.217	EXCLUDE 1.2 Connection asset	WO # 10316873	
	Oil Leaks on No2		SPIMAIN	28/02/13	07:09:00	28/02/13	16:03:00		B2 220/66KV TRANS AT SHTS	8.900	EXCLUDE 1.2 Connection asset	WO # 10260929	
	MPS No1 and No2		SPIMAIN	28/02/13	17:40:00	28/02/13	23:59:59		NO.1 11/220KV TRANS BANK	6.333	EXCLUDE 1.2 Connection asset	WO # 10385063	
	MPS No1 and No2		SPIMAIN	1/03/13	00:00:00	1/03/13	15:49:00		NO.1 11/220KV TRANS BANK	15.817	EXCLUDE 1.2 Connection asset	WO # 10385063	
	Oil Leaks on No2		SPIMAIN	1/03/13	07:00:00	1/03/13	16:16:00		B2 220/66KV TRANS AT SHTS	9.267	EXCLUDE 1.2 Connection asset	WO # 10260929	
	Top Up B1 Trans		SPIMAIN	1/03/13	07:02:00	1/03/13	14:33:00		EX - B1 220/66KV TRANS AT	7.517	EXCLUDE 1.2 Connection asset	WO # 10384545	
	APD Work	Outage requested by APDALCOA	APDALCOA	4/03/13	07:30:00	28/03/13	12:26:00	HYTS-APD 2 500KV W		580.933	EXCLUDE 1.3 Third party outage	WO # 10384910	WO 10384910 Second HYTS-APD2 4-
	O/HAUL Transfmr		SPIMAIN	5/03/13	06:37:00	5/03/13	17:26:00		NO.1 220/66/22KV TRANS	10.817	EXCLUDE 1.2 Connection asset	WO # 10355599	
	OVERHAUL NO2		SPIMAIN	7/03/13	07:27:00	7/03/13	16:06:00		NO.2 220/66/22KV TRANS	8.650	EXCLUDE 1.2 Connection asset	WO # 10355604	
	perf calc w/o No3 trans		SPIMAIN	7/03/13	07:58:00	7/03/13	12:26:00		B3 220/66/22KV TRANS AT	4.467	EXCLUDE 1.1 Unregulated transmission asset	WO # 10374251	
	No3 Trans 22kV		SPIMAIN	7/03/13	12:40:00	7/03/13	15:52:00		B3 220/66/22KV TRANS AT	3.200	EXCLUDE 1.1 Unregulated transmission asset	WO # 10383226	
	TBTS: Trip of B2		FAULT	8/03/13	15:14:00	8/03/13	15:22:00		B2 220/66KV TRANS AT TBTS	0.133	EXCLUDE 1.2 Connection asset	WO # 10385325	
	De-energise B3A Tr	X874 - (BLTS) STATION REBUILD	SPICAPX	13/03/13	06:04:00	13/03/13	15:40:00		B3A 220/66KV TRANS BANK	9.600	EXCLUDE 1.2 Connection asset	WO # X87458V4	
	Clean B3 Trans		SPIMAIN	13/03/13	06:55:00	13/03/13	15:47:00		B3 220/66KV TRANS AT WMTS	8.867	EXCLUDE 1.2 Connection asset	WO # 10384126	
	Change starting	VC63 - COST EST - TRANSFORMER OLTC	SPIMAIN	13/03/13	08:30:00	13/03/13	11:28:00		B4 220/66KV TRANS AT SVTS	2.967	EXCLUDE 1.2 Connection asset	WO # VC6358A2	
	HTS: Trip of B3 Trans		FAULT	13/03/13	13:08:00	13/03/13	13:11:00		B3 220/66KV TRANS AT HTS	0.050	EXCLUDE 1.2 Connection asset	WO # 10385777	
	Clean B2 Trans		SPIMAIN	14/03/13	06:47:00	14/03/13	15:38:00		B2 220/66KV TRANS AT WMTS	8.850	EXCLUDE 1.2 Connection asset	WO # 10384121	
	No.1 11/220KV TX		SPIMAIN	14/03/13	07:54:00	31/03/13	23:59:59		NO.1 11/220KV TRANS BANK	424.100	EXCLUDE 1.2 Connection asset	WO # 10379946	
	Condition Monitoring		SPIMAIN	18/03/13	07:10:00	19/03/13	14:36:00		B4 220/66KV TRANS AT FBTS	31.433	EXCLUDE 1.2 Connection asset	WO # 10355530	
	LYPSA request B & C	Outage requested by GENCO	GENCO	18/03/13	15:55:00	21/03/13	20:45:00		B 66/11KV S/S TRANS AT	76.833	EXCLUDE 1.3 Third party outage	WO # 10386063	WO 10386063 LYPS B & C trans 18
	No2 Trans grp during	Z907 - (BETS) INSTALL TWO NEW 75MVA	DB_AUG	19/03/13	06:08:00	19/03/13	13:49:00		EX - NO.2 220/66/22KV TRANS	7.683	EXCLUDE 1.2 Connection asset	WO # Z90758E4	
	No2 Trans grp during	Z907 - (BETS) INSTALL TWO NEW 75MVA	DB_AUG	20/03/13	06:05:00	20/03/13	13:26:00		EX - NO.2 220/66/22KV TRANS	7.350	EXCLUDE 1.2 Connection asset	WO # Z90758E4	
	Perf Calc w/o B2	VB94 - REPLACE BLADE ROTATION	SPIMAIN	26/03/13	06:37:00	26/03/13	17:48:00		B2 220/66KV TRANS AT SHTS	11.183	EXCLUDE 1.2 Connection asset	WO # VB9458O5	
	Change cameras in	X7F0 - (RWTS) REBUILD 220 & 22KV											

Transgrid Outage	Outage requested by TRANSGRD	TRANSGRD	3/04/13	08:16:00	3/04/13	16:22:00	MSS-DDTS 2 330KV NW		8.100	EXCLUDE 1.3 Third party outage	WO # 10386529	WO 10386529 MSSDDTS No2
Weld Pin Holes In	VB04 - WARRANTY REPAIRS ON AREVA	SPIMAIN	4/04/13	06:35:00	4/04/13	14:42:00	B1 220/66KV TRANS AT SMTS		8.117	EXCLUDE 1.1 Unregulated transmission asset	WO # VB0458A4	
Transgrid Outage	Outage requested by TRANSGRD	TRANSGRD	4/04/13	07:08:00	4/04/13	15:44:00	MSS-DDTS 1 330KV NW		8.600	EXCLUDE 1.3 Third party outage	WO # 10386534	WO 10386534 MSSDDTS No1
Class 2 O/HAUL		SPIMAIN	5/04/13	07:02:00	5/04/13	14:52:00	B2 220/66KV TRANS AT HTS		7.833	EXCLUDE 1.2 Connection asset	WO # 10366705	
Replace No.1 S/S Tr	X923 - REPAIR OF THE FAILED EX TTS B1	SPICAPX	11/04/13	06:05:00	11/04/13	12:27:00	B3 220/66KV TRANS AT TTS		6.367	EXCLUDE 1.2 Connection asset	WO # X92358A8	
Class 1 O/HAUL		SPIMAIN	11/04/13	07:12:00	11/04/13	14:47:00	B1 220/66KV TRANS AT HTS		7.583	EXCLUDE 1.2 Connection asset	WO # 10366703	
NO2 BUS OUTAGE	XA63 - (MWTS) REPLACEMENT OF 66KV	SPIMAIN	11/04/13	07:34:00	11/04/13	19:06:00	B2 220/66KV TRANS AT MWTS		11.533	EXCLUDE 1.2 Connection asset	WO # 10413848	
AGL Hydro Request	Outage requested by STHHYDRO	STHHYDRO	11/04/13	08:54:00	11/04/13	10:17:00	WKPS 220KV LINE AT		1.383	EXCLUDE 1.3 Third party outage	WO # 10388994	WO 10388994 MBTS-WKPS 11 Apr
NO2 BUS OUTAGE	XA63 - (MWTS) REPLACEMENT OF 66KV	SPIMAIN	12/04/13	06:18:00	12/04/13	15:44:00	B2 220/66KV TRANS AT MWTS		9.433	EXCLUDE 1.2 Connection asset	WO # 10413848	
Class 1 O/HAUL		SPIMAIN	15/04/13	07:03:00	15/04/13	15:32:00	B3 220/66KV TRANS AT HTS		8.483	EXCLUDE 1.2 Connection asset	WO # 10366708	
FBTS: B4 Trans off		FAULT	15/04/13	09:53:00	15/04/13	12:21:00	B4 220/66KV TRANS AT FBTS		2.467	EXCLUDE 1.2 Connection asset	WO # 10387878	
FBTS: No 4 220kV		SPIMAIN	16/04/13	11:23:00	16/04/13	14:25:00	B4 220/66KV TRANS AT FBTS		3.033	EXCLUDE 1.2 Connection asset	WO # 10387871	
Rebate Outage	Outage caused by HVCUST remote trip	REM_TRIP	17/04/13	15:39:00	17/04/13	16:25:00	HWPS-JLTS 3 220KV G		0.767	EXCLUDE 1.3 Third party outage	WO # 10388097	WO 10388097 INCIDENT-10388011-
Rebate Outage	Outage caused by HVCUST remote trip	REM_TRIP	17/04/13	15:39:00	17/04/13	16:25:00	JLTS-MWTS 2 220KV G		0.767	EXCLUDE 1.3 Third party outage	WO # 10388098	WO 10388097 INCIDENT-10388011-
Rebate Outage	Outage caused by HVCUST remote trip	REM_TRIP	17/04/13	15:39:00	17/04/13	16:25:00	B2 220/66KV TRANS AT MWTS		0.767	EXCLUDE 1.3 Third party outage	WO # 10388099	WO 10388097 INCIDENT-10388011-
Carry out inspection	XB10 - WTI REPLACEMENT ON HIGHLY	SPICAPX	18/04/13	07:03:00	18/04/13	13:19:00	B3 220/66KV TRANS AT ERTS		6.267	EXCLUDE 1.2 Connection asset	WO # XB1058A2	
REPLACE DBRP ROI	VB90 - REPLACE ABB 220KV DBRP ISOL	SPIMAIN	18/04/13	07:06:00	18/04/13	15:07:00	B2 220/66KV TRANS AT RWTS		8.017	EXCLUDE 1.2 Connection asset	WO # VB9058H3	
SFT Pre-commission	X923 - REPAIR OF THE FAILED EX TTS B1	SPICAPX	18/04/13	08:00:00	19/04/13	14:53:00	SPARE METRO 220/66KV		30.883	EXCLUDE 1.2 Connection asset	WO # X92358A7	
SFT 415V Injection Fut	XA15 - (KTS) 220/66KV TRANSFORMER	SPICAPX	20/04/13	06:03:00	20/04/13	15:35:00	EX - B1 220/66KV TRANS AT		9.533	EXCLUDE 1.2 Connection asset	WO # XA1558H4	
NEW B3 TRANS CB	XA63 - (MWTS) REPLACEMENT OF 66KV	SPIMAIN	20/04/13	06:33:00	20/04/13	15:01:00	B3 220/66KV TRANS AT MWTS		8.467	EXCLUDE 1.2 Connection asset	WO # 10413843	
O/HAUL Transformer		SPIMAIN	20/04/13	07:52:00	24/04/13	17:12:00	B3 220/66KV TRANS AT MWTS		105.333	EXCLUDE 1.2 Connection asset	WO # 10290344	
NEW B3 TRANS CB	XA63 - (MWTS) REPLACEMENT OF 66KV	SPIMAIN	21/04/13	06:41:00	21/04/13	13:58:00	B3 220/66KV TRANS AT MWTS		7.283	EXCLUDE 1.2 Connection asset	WO # 10413843	
No2 Tran Grp 22kV	Z907 - (BETS) INSTALL TWO NEW 75MVA	SPICAPX	22/04/13	05:47:00	22/04/13	15:01:14	EX - NO.2 220/66/22KV TRANS		9.237	EXCLUDE 1.2 Connection asset	WO # Z90758E8	
OVERHAUL A2		SPIMAIN	23/04/13	06:30:00	23/04/13	17:26:00	A2 515/220KV TRANS BANK		10.933	EXCLUDE 1.1 Unregulated transmission asset	WO # 10314199	
NEW B3 TRANS CB	XA63 - (MWTS) REPLACEMENT OF 66KV	SPIMAIN	23/04/13	06:53:00	23/04/13	16:40:00	B3 220/66KV TRANS AT MWTS		9.783	EXCLUDE 1.2 Connection asset	WO # 10413843	
Carry out inspection	XB10 - WTI REPLACEMENT ON HIGHLY	SPICAPX	23/04/13	07:12:00	23/04/13	09:02:00	B1 220/66KV TRANS AT TSTS		1.833	EXCLUDE 1.2 Connection asset	WO # XB1058A3	
VSCAP to DOC	Outage requested by DISTCO	DBPROX	23/04/13	08:34:00	23/04/13	14:11:00	JDSS-WOTS 330KV NW		5.617	EXCLUDE 1.3 Third party outage	WO # 10386846	WO 10386846 JDSSWOTS
Remove 11kV Cables	X923 - REPAIR OF THE FAILED EX TTS B1	SPICAPX	24/04/13	05:08:00	24/04/13	15:08:00	B3 220/66KV TRANS AT TTS		10.000	EXCLUDE 1.2 Connection asset	WO # X92358B1	
NEW B3 TRANS CB	XA63 - (MWTS) REPLACEMENT OF 66KV	SPIMAIN	24/04/13	06:21:00	24/04/13	16:45:00	B3 220/66KV TRANS AT MWTS		10.400	EXCLUDE 1.2 Connection asset	WO # 10413843	
Carry out inspection	XB10 - WTI REPLACEMENT ON HIGHLY	SPICAPX	24/04/13	07:06:00	24/04/13	11:58:00	B2 220/66KV TRANS AT TSTS		4.867	EXCLUDE 1.2 Connection asset	WO # XB1058A4	
SFT B1 Trans 11kV	X923 - REPAIR OF THE FAILED EX TTS B1	SPICAPX	24/04/13	16:10:00	27/04/13	13:34:00	SPARE METRO 220/66KV		69.400	EXCLUDE 1.2 Connection asset	WO # X92358A9	
Carry out inspection	XB10 - WTI REPLACEMENT ON HIGHLY	SPICAPX	26/04/13	07:02:00	26/04/13	15:45:00	B3 220/66KV TRANS AT RWTS		8.717	EXCLUDE 1.2 Connection asset	WO # XB1058A5	
L3 Trans Trip		FAULT	29/04/13	02:14:00	29/04/13	11:39:00	L3 220/22KV TRANS AT RWTS		9.417	EXCLUDE 1.2 Connection asset	WO # 10388478	
Perf calc W/O No4	Z907 - (BETS) INSTALL TWO NEW 75MVA	DB_AUG	29/04/13	06:14:00	29/04/13	18:48:00	B4 220/66KV TRANS AT BETS		12.567	EXCLUDE 1.2 Connection asset	WO # Z90758F1	
Perf calc W/O No4	Z907 - (BETS) INSTALL TWO NEW 75MVA	DB_AUG	30/04/13	06:11:00	30/04/13	18:35:00	B4 220/66KV TRANS AT BETS		12.400	EXCLUDE 1.2 Connection asset	WO # Z90758F1	
Rebate w/o B1 TRANS		SPIMAIN	30/04/13	06:43:00	30/04/13	17:23:00	B1 220/66KV TRANS (HOT)		10.667	EXCLUDE 1.2 Connection asset	WO # 10387151	
MBTS: B1 Trans		SPIMAIN	30/04/13	17:23:00	30/04/13	23:59:59	B1 220/66KV TRANS (HOT)		6.617	EXCLUDE 1.2 Connection asset	WO # 10388587	
MBTS: B1 Trans		SPIMAIN	1/05/13	00:00:00	1/05/13	06:45:00	B1 220/66KV TRANS (HOT)		6.750	EXCLUDE 1.2 Connection asset	WO # 10388587	
Perf calc W/O No4	Z907 - (BETS) INSTALL TWO NEW 75MVA	DB_AUG	1/05/13	06:08:00	1/05/13	19:00:00	B4 220/66KV TRANS AT BETS		12.867	EXCLUDE 1.2 Connection asset	WO # Z90758F1	
Rebate w/o B1 TRANS		SPIMAIN	1/05/13	06:45:00	1/05/13	18:15:00	B1 220/66KV TRANS (HOT)		11.500	EXCLUDE 1.2 Connection asset	WO # 10387151	
APD Insulator washing	Outage requested by APDALCOA	APDALCOA	1/05/13	08:10:00	1/05/13	09:02:00	HYTS-APD 1 500KV W		0.867	EXCLUDE 1.3 Third party outage	WO # 10388564	WO 10388564 HYTS-APD No1.pdf
MBTS: B1 Trans		SPIMAIN	1/05/13	18:18:00	2/05/13	07:54:00	B1 220/66KV TRANS (HOT)		13.600	EXCLUDE 1.2 Connection asset	WO # 10388587	
Perf calc W/O No4	Z907 - (BETS) INSTALL TWO NEW 75MVA	DB_AUG	2/05/13	06:03:00	2/05/13	19:40:00	B4 220/66KV TRANS AT BETS		13.617	EXCLUDE 1.2 Connection asset	WO # Z90758F1	
Class 2 O/HAUL		SPIMAIN	2/05/13	07:54:00	2/05/13	16:29:00	B2 220/66KV TRANS AT MBTS		8.583	EXCLUDE 1.2 Connection asset	WO # 10381506	
APD Insulator washing	Outage requested by APDALCOA	APDALCOA	2/05/13	08:32:00	2/05/13	10:04:00	HYTS-APD 2 500KV W		1.533	EXCLUDE 1.3 Third party outage	WO # 10388566	WO 10388566 HYTS-APD No2.pdf
MBTS: B1 Trans		SPIMAIN	2/05/13	16:29:00	3/05/13	06:30:00	B1 220/66KV TRANS (HOT)		14.017	EXCLUDE 1.2 Connection asset	WO # 10388587	
Perf calc W/O No4	Z907 - (BETS) INSTALL TWO NEW 75MVA	DB_AUG	3/05/13	06:06:00	3/05/13	19:37:00	B4 220/66KV TRANS AT BETS		13.517	EXCLUDE 1.2 Connection asset	WO # Z90758F1	
Class 2 O/HAUL		SPIMAIN	3/05/13	07:02:00	3/05/13	13:03:00	B2 220/66KV TRANS AT MBTS		6.017	EXCLUDE 1.2 Connection asset	WO # 10381506	
Carry out inspection	XB10 - WTI REPLACEMENT ON HIGHLY	SPICAPX	8/05/13	06:58:00	8/05/13	14:50:00	B1 220/66KV TRANS AT TSTS		7.867	EXCLUDE 1.2 Connection asset	WO # XB1058A3	
EAP No.3 220/22kV	X7F0 - (RWTS) REBUILD 220 & 22KV	SPICAPX	9/05/13	06:52:00	9/05/13	17:08:00	NO.3 220/22KV TRANS BANK		10.267	EXCLUDE 1.2 Connection asset	WO # X7F058L2	
Out w/o No1 Trans		SPIMAIN	9/05/13	07:10:00	9/05/13	17:41:00	X1 330/66/22KV TRANS AT		10.517	EXCLUDE 1.2 Connection asset	WO # 10387816	
Out w/o No1 Trans		SPIMAIN	10/05/13	06:57:00	10/05/13	15:16:00	X1 330/66/22KV TRANS AT		8.317	EXCLUDE 1.2 Connection asset	WO # 10387816	
B4 Trans Outage for	XA53 - (FBTS,MLTS) TRANSFORMER	SPICAPX	13/05/13	06:33:00	19/05/13	10:22:00	B4 220/66KV TRANS AT FBTS		147.817	EXCLUDE 1.2 Connection asset	WO # XA5358A2	
REPLACE DBRP ROI	VB90 - REPLACE ABB 220KV DBRP ISOL	SPIMAIN	13/05/13	07:02:00	13/05/13	16:42:00	B2 220/66KV TRANS AT RWTS		9.667	EXCLUDE 1.2 Connection asset	WO # VB9058H3	
Perf calc w/o No4	VB94 - REPLACE BLADE ROTATION	SPIMAIN	13/05/13	08:11:00	13/05/13	17:07:00	B4 220/66KV TRANS AT BETS		8.933	EXCLUDE 1.2 Connection asset	WO # VB9458O8	
SCAP: JLGS A3 Gen	Outage requested by GENCO	GENCO	13/05/13	11:35:00	23/05/13	14:01:00	NO.3 UNIT 230/10.5KV TRANS		242.433	EXCLUDE 1.3 Third party outage	WO # 10388991	Non AER Element
Perf calc w/o No4	VB94 - REPLACE BLADE ROTATION	SPIMAIN	14/05/13	07:11:00	14/05/13	16:15:00	B4 220/66KV TRANS AT BETS		9.067	EXCLUDE 1.2 Connection asset	WO # VB9458O8	
Rebate record for line	Outage requested by HVCUST	REM_TRIP	14/05/13	07:33:00	14/05/13	12:50:00	TBTS-JLA 2 220KV E		5.283	EXCLUDE 1.3 Third party outage	WO # 10391406	WO 10391406 TBTS-JLA No2.pdf
Perf calc w/o No4	VB94 - REPLACE BLADE ROTATION	SPIMAIN	15/05/13	07:15:00	15/05/13	16:20:00	B4 220/66KV TRANS AT BETS		9.083	EXCLUDE 1.2 Connection asset	WO # VB9458O8	
Carry out mods to	X7F0 - (RWTS) REBUILD 220 & 22KV	SPICAPX	17/05/13	07:50:00	18/05/13	19:24:00	NO.3 220/22KV TRANS BANK		35.567	EXCLUDE 1.2 Connection asset	WO # X7F058M4	
Holding Authority		SPIMAIN	18/05/13	19:32:00	31/05/13	23:59:59	EX - L2 220/22KV TRANS BANK		316.467	EXCLUDE 1.2 Connection asset	WO # 10391579	
Holding Authority		SPIMAIN	18/05/13	19:32:00	31/05/13	23:59:59	NO.3 220/22KV TRANS BANK		316.467	EXCLUDE 1.2 Connection asset	WO # 10391580	
SCAP: A2 Gen Isol's &	Outage requested by GENCO	GENCO	20/05/13	12:17:00	21/05/13	12:26:00	NO.2 UNIT 230/10.5KV TRANS		24.150	EXCLUDE 1.3 Third party outage	WO # 10391805	Non AER Element
Investigate and repair		FORCED	20/05/13	16:03:00	20/05/13	16:36:00	NO.1 220/66/22KV TRANS		0.550	EXCLUDE 1.2 Connection asset	WO # 10391824	
O/Haul - 66kV Cap		SPIMAIN	21/05/13	07:52:00	21/05/13	15:46:11	NO.2A 66KV CAPACITOR BANK		7.903	EXCLUDE 1.1 Unregulated transmission asset	WO # 10367924	
O/Haul - 66kV Cap		SPIMAIN	23/05/13	07:56:00	23/05/13	15:10:00	NO.3A 66KV CAPACITOR BANK		7.233	EXCLUDE 1.1 Unregulated transmission asset	WO # 10367926	
Disconnect No.1	X7F0 - (RWTS) REBUILD 220 & 22KV	SPICAPX	24/05/13	06:07:00	31/05/13	23:59:59	EX - U1 66/22KV TRANS AT		185.883	EXCLUDE 1.2 Connection asset	WO # X7F058M2	
Carry out inspection	XB10 - WTI REPLACEMENT ON HIGHLY	SPICAPX	24/05/13	06:47:00	24/05/13	14:08:00	B4 220/66KV TRANS AT KTS		7.350	EXCLUDE 1.2 Connection asset	WO # XB1058A6	
No2 220/66KV TRAN	XA63 - (MWTS) REPLACEMENT OF 66KV	SPIMAIN	25/05/13	06:59:00	25/05/13	15:38:00	B2 220/66KV TRANS AT MWTS		8.650	EXCLUDE 1.2 Connection asset	WO # XA6358B5	
Rebate w/o No2 Cap		SPIMAIN	27/05/13	07:00:00	27/05/13	16:29:00	NO.2 220KV CAPACITOR BANK		9.483	EXCLUDE 1.1 Unregulated transmission asset	WO # 10388730	
B1 Trans - Install, Test	X947 - (HTS) MICRO SCADA REMEDIAL	SPICAPX	27/05/13	13:01:00	28/05/13	16:43:00	B1 220/66KV TRANS AT HTS		27.700	EXCLUDE 1.2 Connection asset	WO # X94758C6	
Rebate w/o No2 Cap		SPIMAIN	28/05/13	07:00:00	28/05/13	16:33:00	NO.2 220KV CAPACITOR BANK		9.550	EXCLUDE 1.1 Unregulated transmission asset	WO # 10388730	
Class 2												

S1

Total circuit availability

Holding Authority		SPIMAIN	1/06/13	00:00:00	30/06/13	23:59:59		NO.3 220/22KV TRANS BANK	720.000	EXCLUDE 1.2 Connection asset	WO # 10391580	
Disconnect No.1	X7F0 - (RWTS) REBUILD 220 & 22KV	SPICAPX	1/06/13	00:00:00	30/06/13	23:59:59		EX - U1 66/22KV TRANS AT	720.000	EXCLUDE 1.2 Connection asset	WO # X7F058M2	
Perf calc No2 Trans	XB12 - (GNTS) STATION	SPICAPX	1/06/13	00:00:00	3/06/13	19:30:00		B2 220/66KV TRANS AT GNTS	67.500	EXCLUDE 1.2 Connection asset	WO # XB1258A1	
B5 TRANSFORMER	XA15 - (KTS) 220/66KV TRANSFORMER	SPICAPX	1/06/13	07:18:00	1/06/13	10:01:00		B5 220/66KV TRANS AT KTS	2.717	EXCLUDE 1.1 Unregulated transmission asset	WO # XA1558J8	
Top Up 220KV		SPIMAIN	2/06/13	08:06:00	2/06/13	15:14:00		B1 220/66KV TRANS AT WMTS	7.133	EXCLUDE 1.2 Connection asset	WO # 10392099	
Outage for Genco	Outage requested by STHHYDRO	STHHYDRO	2/06/13	09:43:00	7/06/13	11:54:00	WKPS-MBTS 220KV NW		122.183	EXCLUDE 1.3 Third party outage	WO # 10395135	WO 10395135 MBTS-WKPS 2-7 Jun
B2 Trans 220kV Cb Air		FORCED	3/06/13	19:48:00	3/06/13	23:31:00		B2 220/66KV TRANS AT GNTS	3.717	EXCLUDE 1.2 Connection asset	WO # 10392573	
Condition Monitoring		SPIMAIN	5/06/13	07:34:00	6/06/13	16:04:00		B3 220/66KV TRANS AT KTS	32.500	EXCLUDE 1.2 Connection asset	WO # 10377438	
TTS: B1 Trans off load		FAULT	5/06/13	11:44:00	5/06/13	11:50:00		SPARE METRO 220/66KV	0.100	EXCLUDE 1.2 Connection asset	WO # 10392636	
rebate child for genco	Outage requested by GENCO	GENCO	6/06/13	05:00:00	6/06/13	18:00:00	JLTS NO.3 220KV LINE		13.000	EXCLUDE 1.3 Third party outage	WO # 10395124	WO 10395124 HWPS AUX C 6-jun-
Perf calc, No4 Trans	Z907 - (BETS) INSTALL TWO NEW 75MVA	SPICAPX	7/06/13	06:15:00	7/06/13	16:00:00		B4 220/66KV TRANS AT BETS	9.750	EXCLUDE 1.2 Connection asset	WO # Z90758G1	
B1 Transformer		FAULT	8/06/13	07:32:00	8/06/13	12:46:00		B2 220/66KV TRANS AT WBTS	5.233	EXCLUDE 1.1 Unregulated transmission asset	WO # 10392729	
B1 Transformer		FAULT	8/06/13	07:32:00	8/06/13	12:46:00		B1 220/66KV TRANS AT WBTS	5.233	EXCLUDE 1.1 Unregulated transmission asset	WO # 10413719	
Condition Monitoring		SPIMAIN	11/06/13	07:08:00	12/06/13	16:18:00		B1 220/66KV TRANS AT HTS	33.167	EXCLUDE 1.2 Connection asset	WO # 10377440	
No. 1 Trans off load.		FAULT	11/06/13	15:15:00	11/06/13	15:21:00		B1 220/66KV TRANS AT TSTS	0.100	EXCLUDE 1.2 Connection asset	WO # 10392781	
No1 Cap OffLoad		FAULT	11/06/13	15:15:00	11/06/13	15:21:00		NO.1 66KV CAPACITOR BANK	0.100	EXCLUDE 1.1 Unregulated transmission asset	WO # 10394687	
Replace Prot On B3	XA53 - (FBTS,MLTS) TRANSFORMER	SPICAPX	13/06/13	06:38:00	20/06/13	09:42:00		B3 220/66KV TRANS AT FBTS	171.067	EXCLUDE 1.2 Connection asset	WO # XA5358A3	
Decommission AVR's	Z907 - (BETS) INSTALL TWO NEW 75MVA	SPICAPX	13/06/13	07:13:00	13/06/13	15:22:00		EX - NO.2 220/66/22KV TRANS	8.150	EXCLUDE 1.2 Connection asset	WO # Z90758G4	
Perf calc, No1 Trans	XB12 - (GNTS) STATION	SPICAPX	13/06/13	07:19:00	16/06/13	14:10:00		B1 220/66KV TRANS GROUP	78.850	EXCLUDE 1.2 Connection asset	WO # XB1258A3	
Decommission AVR's	Z907 - (BETS) INSTALL TWO NEW 75MVA	SPICAPX	14/06/13	07:13:00	14/06/13	17:30:00		B4 220/66KV TRANS AT BETS	10.283	EXCLUDE 1.2 Connection asset	WO # Z90758G5	
REBATE NO3 BUS		SPIMAIN	15/06/13	06:43:00	15/06/13	16:29:00		B3 220/66KV TRANS AT MWTs	9.767	EXCLUDE 1.2 Connection asset	WO # 10413859	
REBATE BUS NO2		SPIMAIN	16/06/13	06:58:00	16/06/13	19:00:00		B2 220/66KV TRANS AT MWTs	12.033	EXCLUDE 1.2 Connection asset	WO # 10413861	
SCAP to Genco	Outage requested by GENCO	GENCO	17/06/13	05:01:00	17/06/13	13:03:00	JLTS NO.1 220KV LINE		8.033	EXCLUDE 1.3 Third party outage	WO # 10392860	WO 10392860 HWPS SCAP
REBATE BUS NO2		SPIMAIN	17/06/13	07:13:00	17/06/13	15:36:00		B2 220/66KV TRANS AT MWTs	8.383	EXCLUDE 1.2 Connection asset	WO # 10413861	
Condition Monitoring		SPIMAIN	18/06/13	07:05:00	20/06/13	00:20:00		B3 220/66KV TRANS AT ERTS	41.250	EXCLUDE 1.2 Connection asset	WO # 10368571	
Condition Monitoring		SPIMAIN	20/06/13	07:33:00	21/06/13	17:46:00		B4 220/66KV TRANS AT ERTS	34.217	EXCLUDE 1.2 Connection asset	WO # 10368573	
No4 Tr 22 cable	Z907 - (BETS) INSTALL TWO NEW 75MVA	DB_AUG	20/06/13	07:43:00	20/06/13	18:11:00		B4 220/66KV TRANS AT BETS	10.467	EXCLUDE 1.2 Connection asset	WO # Z90758H5	
SHTS B2 Rebate		FAULT	20/06/13	15:06:00	20/06/13	15:10:00		B2 220/66KV TRANS AT SHTS	0.067	EXCLUDE 1.2 Connection asset	WO # 10393329	
No4 Tr 22 cable	Z907 - (BETS) INSTALL TWO NEW 75MVA	DB_AUG	21/06/13	07:10:00	21/06/13	17:08:00		B4 220/66KV TRANS AT BETS	9.967	EXCLUDE 1.2 Connection asset	WO # Z90758H5	
HVS - Strong ground	XA09 - (RTS) REDEVELOPMENT PROJECT	SPICAPX	24/06/13	07:08:00	24/06/13	17:07:00		B3 220/66KV TRANS AT RTS	9.983	EXCLUDE 1.2 Connection asset	WO # XA0958A8	
HYTS-APD No2	Outage requested by APDALCOA	APDALCOA	24/06/13	07:32:00	24/06/13	16:00:00	HYTS-APD 2 500KV W		8.467	EXCLUDE 1.3 Third party outage	WO # 10393787	WO 10393787 second HYTS-APD
Condition Monitoring		SPIMAIN	24/06/13	07:43:00	25/06/13	16:12:00		B1 220/66KV TRANS AT ERTS	32.483	EXCLUDE 1.2 Connection asset	WO # 10368569	
Investigate/repair oil		SPIMAIN	24/06/13	09:11:00	28/06/13	13:34:00		B1 220/66KV TRANS AT BATS	100.383	EXCLUDE 1.2 Connection asset	WO # 10375393	
HYTS-APD No2	Outage requested by APDALCOA	APDALCOA	25/06/13	07:31:00	25/06/13	15:02:00	HYTS-APD 2 500KV W		7.517	EXCLUDE 1.3 Third party outage	WO # 10393787	WO 10393787 second HYTS-APD
HVS - Strong ground	XA09 - (RTS) REDEVELOPMENT PROJECT	SPICAPX	25/06/13	07:57:00	25/06/13	16:38:00		B3 220/66KV TRANS AT RTS	8.683	EXCLUDE 1.2 Connection asset	WO # XA0958A8	
No2 66kV Bus Trip at		FAULT	26/06/13	07:08:00	26/06/13	21:33:00		B2 220/66KV TRANS AT GTS	14.417	EXCLUDE 1.1 Unregulated transmission asset	WO # 10393841	
HYTS-APD No2	Outage requested by APDALCOA	APDALCOA	26/06/13	07:41:00	26/06/13	16:22:00	HYTS-APD 2 500KV W		8.683	EXCLUDE 1.3 Third party outage	WO # 10393787	WO 10393787 second HYTS-APD
SVTS NO.2 220KV		SPIMAIN	26/06/13	07:49:00	26/06/13	15:03:00		B1 220/66KV TRANS AT HTS	7.233	EXCLUDE 1.2 Connection asset	WO # 10392824	
HVS - Strong ground	XA09 - (RTS) REDEVELOPMENT PROJECT	SPICAPX	26/06/13	08:06:00	26/06/13	16:32:00		B3 220/66KV TRANS AT RTS	8.433	EXCLUDE 1.2 Connection asset	WO # XA0958A8	
HYTS-APD No2	Outage requested by APDALCOA	APDALCOA	27/06/13	07:30:00	27/06/13	15:45:00	HYTS-APD 2 500KV W		8.250	EXCLUDE 1.3 Third party outage	WO # 10393787	WO 10393787 second HYTS-APD
HVS - Strong ground	XA09 - (RTS) REDEVELOPMENT PROJECT	SPICAPX	27/06/13	07:48:00	27/06/13	15:29:00		B3 220/66KV TRANS AT RTS	7.683	EXCLUDE 1.2 Connection asset	WO # XA0958A8	
Holding Authority		SPIMAIN	1/07/13	00:00:00	31/07/13	23:59:59		EX - L2 220/22KV TRANS BANK	744.000	EXCLUDE 1.2 Connection asset	WO # 10391579	
Holding Authority		SPIMAIN	1/07/13	00:00:00	31/07/13	23:59:59		NO.3 220/22KV TRANS BANK	744.000	EXCLUDE 1.2 Connection asset	WO # 10391580	
Disconnect No.1	X7F0 - (RWTS) REBUILD 220 & 22KV	SPICAPX	1/07/13	00:00:00	6/07/13	13:34:00		EX - U1 66/22KV TRANS AT	133.567	EXCLUDE 1.2 Connection asset	WO # X7F058M2	
Investigate & bleed		SPIMAIN	2/07/13	10:39:00	2/07/13	14:58:00		B1 220/66KV TRANS AT BATS	4.317	EXCLUDE 1.2 Connection asset	WO # 10394038	
Perf calc W/O-No4	Z907 - (BETS) INSTALL TWO NEW 75MVA	DB_AUG	3/07/13	06:02:00	3/07/13	18:58:00		B4 220/66KV TRANS AT BETS	12.933	EXCLUDE 1.2 Connection asset	WO # Z90758G9	
Investigate & bleed		SPIMAIN	3/07/13	11:44:00	4/07/13	17:03:00		B1 220/66KV TRANS AT BATS	29.317	EXCLUDE 1.2 Connection asset	WO # 10394102	
Perf calc W/O-No4	Z907 - (BETS) INSTALL TWO NEW 75MVA	DB_AUG	4/07/13	05:29:00	4/07/13	20:28:00		B4 220/66KV TRANS AT BETS	14.983	EXCLUDE 1.2 Connection asset	WO # Z90758G9	
Rebate W/O for No.1		SPIMAIN	4/07/13	09:36:00	4/07/13	10:31:00		NO.1 66KV CAPACITOR BANK	0.917	EXCLUDE 1.1 Unregulated transmission asset	WO # 10392635	
RWTS No2 SS Trans	Outage requested by DISTCO	DBPROX	6/07/13	07:08:00	6/07/13	13:29:00			6.350	EXCLUDE 1.3 Third party outage	WO # 10394167	Non AER Element
Perf calc W/O-No4	Z907 - (BETS) INSTALL TWO NEW 75MVA	DB_AUG	8/07/13	11:57:00	8/07/13	13:15:00		B4 220/66KV TRANS AT BETS	1.300	EXCLUDE 1.2 Connection asset	WO # Z90758I5	
Investigate & bleed		SPIMAIN	9/07/13	07:04:00	12/07/13	13:22:00		B1 220/66KV TRANS AT BATS	78.300	EXCLUDE 1.2 Connection asset	WO # 10394338	
Perf calc W/O-No2	Z907 - (BETS) INSTALL TWO NEW 75MVA	DB_AUG	9/07/13	07:59:00	9/07/13	11:21:00		EX - NO.2 220/66/22KV TRANS	3.367	EXCLUDE 1.2 Connection asset	WO # Z90758I7	
Perf calc W/O-No2	Z907 - (BETS) INSTALL TWO NEW 75MVA	DB_AUG	10/07/13	05:33:00	11/07/13	20:40:00		EX - NO.2 220/66/22KV TRANS	39.117	EXCLUDE 1.2 Connection asset	WO # Z90758H4	
Perf Calc W/O-No2A	Z907 - (BETS) INSTALL TWO NEW 75MVA	DB_AUG	11/07/13	21:40:00	23/07/13	09:22:00		EX - B2A 220/66/22KV TRANS	275.700	EXCLUDE 1.2 Connection asset	WO # Z90758I3	
MTS B1 Trans Neut		SPIMAIN	13/07/13	08:05:00	13/07/13	11:14:00		B1 220/66KV TRANS AT MTS	3.150	EXCLUDE 1.2 Connection asset	WO # 10393198	
MTS B3 Trans Neut		SPIMAIN	13/07/13	12:37:00	13/07/13	15:09:00		B3 220/66KV TRANS AT MTS	2.533	EXCLUDE 1.2 Connection asset	WO # 10393199	
SWING OVER	XA63 - (MWTs) REPLACEMENT OF 66KV	SPIMAIN	14/07/13	06:41:00	14/07/13	19:14:00		B2 220/66KV TRANS AT MWTs	12.550	EXCLUDE 1.2 Connection asset	WO # XA6358B6	
Remove bird nests		SPICAPX	15/07/13	08:43:00	15/07/13	13:00:00		B1 220/66KV TRANS AT MTS	4.283	EXCLUDE 1.2 Connection asset	WO # 10394478	
Remove bird nests		SPICAPX	15/07/13	13:04:00	15/07/13	16:28:00		B3 220/66KV TRANS AT MTS	3.400	EXCLUDE 1.2 Connection asset	WO # 10394480	
Investigate/Repair Oil		SPIMAIN	16/07/13	06:00:00	17/07/13	16:24:26		B3 220/66KV TRANS AT FBTS	34.407	EXCLUDE 1.2 Connection asset	WO # 10386784	
PTH Outage	Outage requested by APDALCOA	APDALCOA	18/07/13	07:56:00	18/07/13	14:19:00	GTS -PTH 2 220KV WY		6.383	EXCLUDE 1.3 Third party outage	WO # 10394602	WO 10394602 GTS-PTH2 18 Jul
Rebate W/O for No.1		SPIMAIN	19/07/13	07:56:00	19/07/13	09:13:00		NO.1 220KV CAPACITOR BANK	1.283	EXCLUDE 1.1 Unregulated transmission asset	WO # 10394366	
Clean Transformer	VB37 - (RTS) REFURBISH 2 'L' TRANS & 4	SPICAPX	20/07/13	06:39:00	21/07/13	14:13:00		L4 220/22KV TRANS AT RTS	31.567	EXCLUDE 1.2 Connection asset	WO # VB3758A2	
Top Up Conservator &	X923 - REPAIR OF THE FAILED EX TTS B1	SPICAPX	23/07/13	07:28:00	24/07/13	20:47:00		SPARE METRO 220/66KV	37.317	EXCLUDE 1.2 Connection asset	WO # X92358B4	
Rebate for Bus trip		FAULT	23/07/13	13:59:00	23/07/13	14:02:00		B1 220/66KV TRANS GROUP	0.050	EXCLUDE 1.2 Connection asset	WO # 10395122	
Perf calc, No1 Trans	XB12 - (GNTS) STATION	SPICAPX	24/07/13	07:35:00	25/07/13	14:00:00		B1 220/66KV TRANS GROUP	30.417	EXCLUDE 1.2 Connection asset	WO # XB1258A6	
Tripped Plant		FAULT	25/07/13	13:10:00	25/07/13	13:11:00		B2 220/66KV TRANS AT GNTS	0.017	EXCLUDE 1.2 Connection asset	WO # 10413730	
rebate for bus outage		SPIMAIN	27/07/13	06:36:00	27/07/13	20:41:00		B1 220/66KV TRANS AT MWTs	14.083	EXCLUDE 1.2 Connection asset	WO # 10413774	
Condition Monitoring		SPIMAIN	27/07/13	07:07:00	28/07/13	19:30:00		L4 220/22KV TRANS AT RTS	36.383	EXCLUDE 1.2 Connection asset	WO # 10394356	
PTH Outage	Outage requested by APDALCOA	APDALCOA	30/07/13	07:50:00	30/07/13	15:54:54	GTS -PTH 2 220KV WY		8.082	EXCLUDE 1.3 Third party outage	WO # 10395282	WO 10395282 GTS-PTH2 30 Jul
BLLY Line 500kV Line	Outage requested by HVCUST	REM_TRIP	31/07/13	08:13:00	31/07/13	08:36:00	BLLY 500KV LINE AT		0.383	EXCLUDE 1.3 Third party outage	WO # 10395448	WO 10395448 INCIDENT-10395436-
Holding Authority		SPIMAIN	1/08/13	00:00:00	20/08/13	03:00:00		EX - L2 220/22KV TRANS BANK	459.000	EXCLUDE 1.2 Connection asset	WO # 10391579	
Holding Authority		SPIMAIN	1/08/13	00:00:00	20/08/13	01:00:00		NO.3 220/22KV TRANS BANK	457.000	EXCLUDE 1.2 Connection asset	WO # 10391580	
ERTS B3 Trans Oil		SPIMAIN	2/08/13	07:49:00	2/08/13	14:41:00		B3 220/66KV TRANS AT ERTS	6.867	EXCLUDE 1.2 Connection asset	WO # 10393788	
VSCAP to Distco	Outage requested by DISTCO	DBPROX	4/08/13	06:51:00	4/08/13	13:39:00		B3A 220/66KV TRANS BANK	6.800	EXCLUDE 1.2 Connection asset	WO # 10395015	
Class 1 O/HAUL		SPIMAIN	7/08/13	07:05:00	7/08/13	14:10:00		B1 220/66KV TRANS AT SVTS	7.083	EXCLUDE 1.2 Connection asset	WO # 10377269	
Class 1 O/HAUL		SPIMAIN	8/08/13	07:20:00	8/08/13	14:02:00		B2 220/66KV TRANS AT SVTS	6.700	EXCLUDE 1.2 Connection asset	WO # 10377271	
Top up 220KV		SPIMAIN	9/08/13	06:35:00	9/08/13	14:58:00		B1 220/66KV TRANS AT WMTs	8.383	EXCLUDE 1.2 Connection asset	WO # 10395010	
B1 Trans investigate		FORCED	11/08/13	13:21:00	11/08/13	17:18:00		B1 220/66KV TRANS AT RTS	3.950	EXCLUDE 1.2 Connection asset	WO # 10395826	
Perf calc w/o No2		SPIMAIN	14/08/13	07:02:00	14/08/13	1						

RTS B2 Holding SOR		SPICAPX	17/08/13	19:43:00	18/08/13	06:00:00		B2 220/66KV TRANS AT RTS	10.283	EXCLUDE 1.2 Connection asset	WO # 10395586	
Transfer B2 66kV	XA09 - (RTS) REDEVELOPMENT PROJECT	SPICAPX	18/08/13	06:00:00	18/08/13	11:14:00		B3 220/66KV TRANS AT RTS	5.233	EXCLUDE 1.2 Connection asset	WO # XA0958C9	
B2 Trans at RTS		SPICAPX	18/08/13	11:15:00	24/08/13	05:59:00		B2 220/66KV TRANS AT RTS	138.733	EXCLUDE 1.2 Connection asset	WO # 10396217	
RWTS: B3 Trans		FORCED	20/08/13	01:00:00	20/08/13	06:01:00		B3 220/66KV TRANS AT RWTS	5.017	EXCLUDE 1.2 Connection asset	WO # 10396380	
RWTS: No3 220/22kV		FORCED	20/08/13	01:00:00	20/08/13	06:01:00		NO.3 220/22KV TRANS BANK	5.017	EXCLUDE 1.2 Connection asset	WO # 10396382	
Erect fut B3 Tr blast	XB15 - (BETS) B2A/2B 220/66KV	SPICAPX	22/08/13	06:02:00	23/08/13	16:10:00		B4 220/66KV TRANS AT BETS	34.133	EXCLUDE 1.2 Connection asset	WO # XB1558A0	
Transfer B2 66kV	XA09 - (RTS) REDEVELOPMENT PROJECT	SPICAPX	24/08/13	06:00:00	24/08/13	17:12:00		B3 220/66KV TRANS AT RTS	11.200	EXCLUDE 1.2 Connection asset	WO # XA0958C9	
B2 Trans		FAULT	24/08/13	17:12:00	25/08/13	16:12:00		B2 220/66KV TRANS AT RTS	23.000	EXCLUDE 1.2 Connection asset	WO # 10396760	
B2 220/66KV TRANS		FORCED	25/08/13	10:23:00	25/08/13	10:36:00		B2 220/66KV TRANS AT GNTS	0.217	EXCLUDE 1.2 Connection asset	WO # 10396771	
Disconnect &	Z907 - (BETS) INSTALL TWO NEW 75MVA	DB_AUG	26/08/13	08:26:00	26/08/13	20:14:00		B4 220/66KV TRANS AT BETS	11.800	EXCLUDE 1.2 Connection asset	WO # Z90758J5	
RTS B1 Trans 66kV		SPIMAIN	27/08/13	07:00:00	27/08/13	17:36:00		B1 220/66KV TRANS AT RTS	10.600	EXCLUDE 1.2 Connection asset	WO # 10395834	
No2 Tr grp de-en to -	Z907 - (BETS) INSTALL TWO NEW 75MVA	DB_AUG	27/08/13	07:39:00	27/08/13	09:28:00		EX - NO.2 220/66/22KV TRANS	1.817	EXCLUDE 1.2 Connection asset	WO # Z90758K1	
APD Outage	Outage requested by APDALCOA	APDALCOA	27/08/13	09:12:00	27/08/13	09:58:00	HYTS-APD 2 500KV W		0.767	EXCLUDE 1.3 Third party outage	WO # 10396840	WO 10396840 APD 27-28 Aug 13.pdf
Install flag pockets &		SPICAPX	28/08/13	07:50:00	28/08/13	15:16:00		B1 220/66KV TRANS AT TGTS	7.433	EXCLUDE 1.2 Connection asset	WO # 10395727	
Install flag pockets &		SPICAPX	29/08/13	07:32:00	29/08/13	14:49:00		B2 220/66KV TRANS AT TGTS	7.283	EXCLUDE 1.2 Connection asset	WO # 10395728	
REBATE NO 2 BUS		SPIMAIN	31/08/13	07:25:00	31/08/13	18:11:00		B2 220/66KV TRANS AT MWTS	10.767	EXCLUDE 1.2 Connection asset	WO # 10413771	
REBATE NO 2 BUS		SPIMAIN	1/09/13	06:00:00	1/09/13	06:36:00		B2 220/66KV TRANS AT MWTS	0.600	EXCLUDE 1.2 Connection asset	WO # 10413771	
Erect fut B3 Tr rack	XB15 - (BETS) B2A/2B 220/66KV	SPICAPX	3/09/13	06:33:00	4/09/13	18:25:00		EX - NO.2 220/66/22KV TRANS	35.867	EXCLUDE 1.2 Connection asset	WO # XB1558A1	
Isolated and Earthed		GENCO	6/09/13	13:30:00	30/09/13	23:59:59		W4A 230/20KV GEN TRANS AT	586.500	EXCLUDE 1.3 Third party outage	WO # 10397454	Non AER Element
REBATE TX AND		SPIMAIN	7/09/13	06:10:00	9/09/13	15:47:00		B3 220/66KV TRANS AT MWTS	57.617	EXCLUDE 1.2 Connection asset	WO # 10396716	
L1 Trans Fans Not		SPIMAIN	7/09/13	06:44:00	7/09/13	16:58:00		L1 220/22KV TRANS AT WMTS	10.233	EXCLUDE 1.2 Connection asset	WO # 10395738	
Replace No4	XB54 - (RWTS) REPLACE 220KV BULK OIL	SPICAPX	7/09/13	14:13:00	30/09/13	23:59:59		B4 220/66KV TRANS AT RWTS	561.783	EXCLUDE 1.2 Connection asset	WO # XB5458C1	
L1 Trans Fans Not		SPIMAIN	8/09/13	06:32:00	8/09/13	17:10:00		L1 220/22KV TRANS AT WMTS	10.633	EXCLUDE 1.2 Connection asset	WO # 10395738	
MBTS B2 Trans		FAULT	9/09/13	06:18:00	9/09/13	17:19:00		B2 220/66KV TRANS AT MBTS	11.017	EXCLUDE 1.2 Connection asset	WO # 10397549	
MBTS B2 & B1 Trans		FAULT	9/09/13	06:18:00	9/09/13	17:19:00		B1 220/66KV TRANS (HOT)	11.017	EXCLUDE 1.2 Connection asset	WO # 10397550	
No.1 Trans SVTS off		FAULT	9/09/13	17:20:00	9/09/13	17:37:00		B1 220/66KV TRANS AT SVTS	0.283	EXCLUDE 1.2 Connection asset	WO # 10397633	
No.4 Trans - SVTS off		FAULT	9/09/13	17:20:00	9/09/13	17:37:00		B4 220/66KV TRANS AT SVTS	0.283	EXCLUDE 1.2 Connection asset	WO # 10397634	
No. 3 Trans - SVTS off		FAULT	9/09/13	17:20:00	9/09/13	17:38:00		B3 220/66KV TRANS AT SVTS	0.300	EXCLUDE 1.2 Connection asset	WO # 10397635	
No. 2 Trans - SVTS off		FAULT	9/09/13	17:20:00	9/09/13	17:38:00		B2 220/66KV TRANS AT SVTS	0.300	EXCLUDE 1.2 Connection asset	WO # 10397636	
No. 3 Trans - HTS off		FAULT	9/09/13	17:20:00	9/09/13	17:41:00		B3 220/66KV TRANS AT HTS	0.350	EXCLUDE 1.2 Connection asset	WO # 10397637	
No. 2 Trans - HTS off		FAULT	9/09/13	17:20:00	9/09/13	17:41:00		B2 220/66KV TRANS AT HTS	0.350	EXCLUDE 1.2 Connection asset	WO # 10397638	
No. 1 Trans - HTS off		FAULT	9/09/13	17:20:00	9/09/13	17:41:00		B1 220/66KV TRANS AT HTS	0.350	EXCLUDE 1.2 Connection asset	WO # 10397639	
B3 TRANS 66KV CB		FAULT	10/09/13	08:14:00	10/09/13	08:16:00		B3 220/66KV TRANS AT FBTS	0.033	EXCLUDE 1.2 Connection asset	WO # 10397598	
B1 Transformer		SPIMAIN	10/09/13	08:43:00	11/09/13	13:45:00		B1 220/66KV TRANS AT BATS	29.033	EXCLUDE 1.2 Connection asset	WO # 10396550	
Transgrid Work	Outage requested by TRANSGRD	TRANSGRD	11/09/13	05:48:00	11/09/13	21:21:00	BSS 220KV LINE AT		15.550	EXCLUDE 1.3 Third party outage	WO # 10397178	WO 10397178 Notification - 131396 -
VSCAP to DOC	Outage requested by DISTCO	DBPROX	11/09/13	09:40:00	11/09/13	12:36:00		X1 330/66/22KV TRANS AT	2.933	EXCLUDE 1.2 Connection asset	WO # 10396555	
Wash down Trans with	X834 - TRANSFORMER 220KV SRBP	SPIMAIN	14/09/13	06:38:00	15/09/13	16:37:00		L1 220/22KV TRANS AT RTS	33.983	EXCLUDE 1.2 Connection asset	WO # X83458A5	
Excavate to install	ZB01 - (TBTS) 3RD 220/66KV	SPICAPX	16/09/13	07:00:00	16/09/13	16:38:00		B1 220/66KV TRANS AT TBTS	9.633	EXCLUDE 1.2 Connection asset	WO # ZB0158A8	
No2 Transformer		SPIMAIN	16/09/13	08:11:00	16/09/13	14:07:00		B2 220/66KV TRANS AT BATS	5.933	EXCLUDE 1.2 Connection asset	WO # 10397020	
Rebate W/O for No.1		SPIMAIN	16/09/13	09:41:00	16/09/13	11:25:00		NO.1 66KV CAPACITOR BANK	1.733	EXCLUDE 1.1 Unregulated transmission asset	WO # 10396931	
Excavate to install	ZB01 - (TBTS) 3RD 220/66KV	SPICAPX	17/09/13	06:28:00	17/09/13	17:28:00		B1 220/66KV TRANS AT TBTS	11.000	EXCLUDE 1.2 Connection asset	WO # ZB0158A8	
Excavate to install	ZB01 - (TBTS) 3RD 220/66KV	SPICAPX	18/09/13	06:32:00	18/09/13	16:11:00		B1 220/66KV TRANS AT TBTS	9.650	EXCLUDE 1.2 Connection asset	WO # ZB0158A8	
C 66/11kV S/S Trans	Outage requested by GENCO	GENCO	18/09/13	07:35:00	19/09/13	15:57:47		C 66/11KV S/S TRANS AT	32.380	EXCLUDE 1.3 Third party outage	WO # 10398081	WO 10398081 LYPS C S-S Trans 18
Excavate to install	ZB01 - (TBTS) 3RD 220/66KV	SPICAPX	19/09/13	06:35:00	19/09/13	15:24:00		B1 220/66KV TRANS AT TBTS	8.817	EXCLUDE 1.2 Connection asset	WO # ZB0158A8	
Class 1 O/HAUL		SPIMAIN	19/09/13	06:52:00	19/09/13	15:34:00		B4 220/66KV TRANS AT SVTS	8.700	EXCLUDE 1.2 Connection asset	WO # 10377424	
Perf calc W/o B2	VB94 - REPLACE BLADE ROTATION	SPIMAIN	19/09/13	07:06:00	19/09/13	15:45:00		B2 220/66KV TRANS AT BATS	8.650	EXCLUDE 1.2 Connection asset	WO # VB9458P0	
TBTS B2 Trans		FAULT	19/09/13	14:10:00	19/09/13	14:22:00		B2 220/66KV TRANS AT TBTS	0.200	EXCLUDE 1.2 Connection asset	WO # 10398140	
Install new HV	X834 - TRANSFORMER 220KV SRBP	SPIMAIN	21/09/13	05:54:00	21/09/13	19:35:00		L1 220/22KV TRANS AT RTS	13.683	EXCLUDE 1.2 Connection asset	WO # X83458A6	
Perf cal W/O B4 Trans	XB17 - (GTS) REPLACE B1 & B3 TRANS &	SPICAPX	21/09/13	05:59:00	22/09/13	14:25:00		B4 220/66KV TRANS AT GTS	32.433	EXCLUDE 1.2 Connection asset	WO # XB1758B4	
Replace B4 Trans	XB17 - (GTS) REPLACE B1 & B3 TRANS &	SPICAPX	22/09/13	14:25:00	30/09/13	23:59:59		B4 220/66KV TRANS AT GTS	201.583	EXCLUDE 1.2 Connection asset	WO # XB1758B5	
APD CB refurb	Outage requested by APDALCOA	APDALCOA	23/09/13	07:32:00	30/09/13	23:59:59	HYTS-APD 1 500KV W		184.467	EXCLUDE 1.3 Third party outage	WO # 10398110	WO 10398110 APD CB 5500 23 Sep -
B2 Trans 220kV CB		FORCED	23/09/13	08:15:00	23/09/13	09:24:00		B2 220/66KV TRANS AT TBTS	1.150	EXCLUDE 1.2 Connection asset	WO # 10398196	
Class 2 O/HAUL		SPIMAIN	24/09/13	06:47:00	24/09/13	16:12:00		B4 220/66KV TRANS AT KTS	9.417	EXCLUDE 1.2 Connection asset	WO # 10367265	
TBTS B1 Trans off		FORCED	24/09/13	08:22:00	24/09/13	09:12:00		B1 220/66KV TRANS AT TBTS	0.833	EXCLUDE 1.2 Connection asset	WO # 10398303	
Trans Trip		FAULT	24/09/13	16:12:00	24/09/13	16:47:00		B4 220/66KV TRANS AT KTS	0.583	EXCLUDE 1.2 Connection asset	WO # 10413738	
TRIP OF MPS No2		FAULT	26/09/13	05:21:00	26/09/13	07:22:00		B3 220/66KV TRANS AT MWTS	2.017	EXCLUDE 1.2 Connection asset	WO # 10398418	
Trip of MPS No2		FAULT	26/09/13	05:21:00	26/09/13	07:22:00		NO.1 11/220KV TRANS BANK	2.017	EXCLUDE 1.2 Connection asset	WO # 10398420	
Trip of MPS No2		FAULT	26/09/13	05:21:00	26/09/13	20:17:00		NO.2 11/220KV TRANS BANK	14.933	EXCLUDE 1.2 Connection asset	WO # 10398421	
Top Up B1 Trans		SPIMAIN	26/09/13	07:00:00	26/09/13	13:00:00		B1 220/66KV TRANS AT WMTS	6.000	EXCLUDE 1.2 Connection asset	WO # 10397852	
Install new HV	X834 - TRANSFORMER 220KV SRBP	SPIMAIN	28/09/13	06:22:00	29/09/13	19:45:00		L1 220/22KV TRANS AT RTS	37.383	EXCLUDE 1.2 Connection asset	WO # X83458A7	
Repair oil leak from CT		SPIMAIN	30/09/13	07:00:00	30/09/13	23:59:59		B1 220/66KV TRANS AT RTS	17.000	EXCLUDE 1.2 Connection asset	WO # 10398181	
Isolated and Earthed		GENCO	1/10/13	00:00:00	14/10/13	17:46:00		W4A 230/20KV GEN TRANS AT	329.767	EXCLUDE 1.3 Third party outage	WO # 10397454	Non AER Element
APD CB refurb	Outage requested by APDALCOA	APDALCOA	1/10/13	00:00:00	25/10/13	13:45:00	HYTS-APD 1 500KV W		589.750	EXCLUDE 1.3 Third party outage	WO # 10398110	WO 10398110 APD CB 5500 23 Sep -
Repair oil leak from CT		SPIMAIN	1/10/13	00:00:00	1/10/13	19:56:00		B1 220/66KV TRANS AT RTS	19.933	EXCLUDE 1.2 Connection asset	WO # 10398181	
Replace B4 Trans	XB17 - (GTS) REPLACE B1 & B3 TRANS &	SPICAPX	1/10/13	00:00:00	5/10/13	04:29:00		B4 220/66KV TRANS AT GTS	100.483	EXCLUDE 1.2 Connection asset	WO # XB1758B5	
Replace No4	XB54 - (RWTS) REPLACE 220KV BULK OIL	SPICAPX	1/10/13	00:00:00	31/10/13	23:59:59		B4 220/66KV TRANS AT RWTS	744.000	EXCLUDE 1.2 Connection asset	WO # XB5458C1	
BETS-FVTS-SHTS	Outage requested by HVCUST	HVCUST	1/10/13	07:11:00	1/10/13	16:07:00	BETS/SHTS 220KV LINE		8.933	EXCLUDE 1.3 Third party outage	WO # 10397104	WO 10397104 FVTS Outage 1 Oct
Class 1 O/HAUL		SPIMAIN	3/10/13	10:38:00	3/10/13	13:31:00		B2 220/66KV TRANS AT WMTS	2.883	EXCLUDE 1.2 Connection asset	WO # 10366941	
Perf cal W/O B4 Trans	XB17 - (GTS) REPLACE B1 & B3 TRANS &	SPICAPX	5/10/13	04:29:00	6/10/13	20:48:00		B4 220/66KV TRANS AT GTS	40.317	EXCLUDE 1.2 Connection asset	WO # XB1758C1	
Repair oil leak from CT		SPIMAIN	5/10/13	07:02:00	6/10/13	15:52:00		B1 220/66KV TRANS AT RTS	32.833	EXCLUDE 1.2 Connection asset	WO # 10398181	
Trip Check Various	XA53 - (FBTS,MLTS) TRANSFORMER	SPICAPX	7/10/13	06:08:00	7/10/13	09:54:00		B1 220/66KV TRANS AT FBTS	3.767	EXCLUDE 1.2 Connection asset	WO # XA5358B2	
SCAP to LYPS for B	Outage requested by GENCO	GENCO	7/10/13	19:32:00	9/10/13	16:08:00		B 66/11KV S/S TRANS AT	44.600	EXCLUDE 1.3 Third party outage	WO # 10398852	WO 10398852 LYPS B S-S trans 7
Perf calc w/o B1 Trans		SPIMAIN	8/10/13	06:25:00	8/10/13	15:19:00		B1 220/66KV TRANS AT GTS	8.900	EXCLUDE 1.2 Connection asset	WO # 10397832	
Perf calc w/o B1 Trans		SPIMAIN	9/10/13	05:50:00	9/10/13	10:52:00		B1 220/66KV TRANS AT GTS	5.033	EXCLUDE 1.2 Connection asset		

S2	Peak critical availability	PTH No1 Line VSCAP	Outage requested by APDALCOA	APDALCOA	12/02/13	06:32:00	12/02/13	12:18:00	PT. HENRY NO.1 220KV		5.767	EXCLUDE 2.3 Third party outage	WO # 10383655	WO 10383655 GTSPTH No1
		HYTS No 2 Line off-	Outage requested by APDALCOA	APDALCOA	20/02/13	10:46:00	20/02/13	13:23:00	HYTS-APD 2 500KV W		2.617	EXCLUDE 2.3 Third party outage	WO # 10384542	WO 10384542 HYTS-APD 2 de-en 20
		APD Work	Outage requested by APDALCOA	APDALCOA	4/03/13	07:30:00	28/03/13	12:26:00	HYTS-APD 2 500KV W		580.933	EXCLUDE 2.3 Third party outage	WO # 10384910	WO 10384910 Second HYTS-APD2 4-
		VSCAP to Genco	Outage requested by GENCO	GENCO	24/11/13	12:58:00	29/11/13	11:08:23	DPS -MBTS 220KV NW		118.173	EXCLUDE 2.3 Third party outage	WO # 10410806	WO 10410806 VSCAP DPS-MBTS 220kV Line.pdf
		MKPS Outage for AGL Hydro	Outage requested by STHHYDRO	STHHYDRO	9/12/13	10:15:00	10/12/13	19:43:00	MKPS-BOPS-MBTS 220KV NW		33.467	EXCLUDE 2.3 Third party outage	WO # 10411918	WO 10411918 MBTS-WKPS 220 kV line.pdf
		APD SD replacement	Outage requested by APDALCOA	APDALCOA	11/12/13	08:04:00	11/12/13	14:07:00	HYTS-APD 2 500KV W		6.050	EXCLUDE 2.3 Third party outage	WO # 10412232	WO 10412232 APD-HYTS No2 11-12-13.pdf
S3	Peak non-critical availability	O/Haul - 66kV reactor		SPIMAIN	5/02/13	07:15:00	5/02/13	15:30:00	NO.3 66KV REACTOR AT		8.250	EXCLUDE 3.7 Shunt reactor	WO # 10356242	
		Rebate Child		SPIMAIN	20/11/13	10:25:00	20/11/13	13:55:00	NO.3 66KV REACTOR AT		3.500	EXCLUDE 3.7 Shunt reactor	WO # 10412327	
		Rebate Child		SPIMAIN	21/11/13	07:05:00	21/11/13	14:54:00	NO.2 66KV REACTOR AT RCTS		7.817	EXCLUDE 3.7 Shunt reactor	WO # 10412328	
		O/Haul 66KV SHUNT REACTOR		SPIMAIN	26/11/13	07:24:00	26/11/13	14:12:00	NO.1 66KV REACTOR AT HOTS		6.800	EXCLUDE 3.7 Shunt reactor	WO # 10368074	
		Condition monitoring 220kV Shunt Reactor		SPIMAIN	18/12/13	06:52:00	19/12/13	13:31:00	220KV SHUNT REACTOR AT MLTS		30.650	EXCLUDE 3.7 Shunt reactor	WO # 10411648	
S4	Intermediate critical availability	outage for Genco	Outage requested by STHHYDRO	STHHYDRO	2/06/13	09:43:00	7/06/13	11:54:00	WKPS-MBTS 220KV NW		122.183	EXCLUDE 4.3 Third party outage	WO # 10395135	WO 10395135 MBTS-WKPS 2-7 Jun
		rebate child for genco	Outage requested by GENCO	GENCO	6/06/13	05:00:00	6/06/13	18:00:00	JLTS NO.3 220KV LINE		13.000	EXCLUDE 4.3 Third party outage	WO # 10395124	WO 10395124 HWPS AUX C 6-jun-
		SCAP to Genco	Outage requested by GENCO	GENCO	17/06/13	05:01:00	17/06/13	13:03:00	JLTS NO.1 220KV LINE		8.033	EXCLUDE 4.3 Third party outage	WO # 10392860	WO 10392860 HWPS SCAP
		HYTS-APD No2	Outage requested by APDALCOA	APDALCOA	24/06/13	07:32:00	24/06/13	16:00:00	HYTS-APD 2 500KV W		8.467	EXCLUDE 4.3 Third party outage	WO # 10393787	WO 10393787 second HYTS-APD
		HYTS-APD No2	Outage requested by APDALCOA	APDALCOA	25/06/13	07:31:00	25/06/13	15:02:00	HYTS-APD 2 500KV W		7.517	EXCLUDE 4.3 Third party outage	WO # 10393787	WO 10393787 second HYTS-APD
		HYTS-APD No2 500kV Line off loaded at APD for APD	Outage requested by APDALCOA	APDALCOA	26/06/13	07:41:00	26/06/13	16:22:00	HYTS-APD 2 500KV W		8.683	EXCLUDE 4.3 Third party outage	WO # 10393787	WO 10393787 second HYTS-APD No2.pdf
		HYTS-APD No2 500kV Line off loaded at APD for APD	Outage requested by APDALCOA	APDALCOA	27/06/13	07:30:00	27/06/13	15:45:00	HYTS-APD 2 500KV W		8.250	EXCLUDE 4.3 Third party outage	WO # 10393787	WO 10393787 second HYTS-APD No2.pdf
		PTH Outage	Outage requested by APDALCOA	APDALCOA	18/07/13	07:56:00	18/07/13	14:19:00	GTS -PTH 2 220KV WY		6.383	EXCLUDE 4.3 Third party outage	WO # 10394602	WO 10394602 GTS-PTH2 18 Jul 13.pdf
		PTH Outage	Outage requested by APDALCOA	APDALCOA	30/07/13	07:50:00	30/07/13	15:54:54	GTS -PTH 2 220KV WY		8.082	EXCLUDE 4.3 Third party outage	WO # 10395282	WO 10395282 GTS-PTH2 30 Jul 13.pdf
APD Outage	Outage requested by APDALCOA	APDALCOA	27/08/13	09:12:00	27/08/13	09:58:00	HYTS-APD 2 500KV W		0.767	EXCLUDE 4.3 Third party outage	WO # 10396840	WO 10396840 APD 27-28 Aug 13.pdf		
S5	Intermediate non-critical availability	Rebate w/o Shunt		SPIMAIN	4/06/13	06:50:00	4/06/13	15:57:00	220KV SHUNT REACTOR AT		9.117	EXCLUDE 5.7 Shunt reactor	WO # 10389087	
		Rebate w/o Shunt		SPIMAIN	5/06/13	06:59:00	5/06/13	16:35:00	220KV SHUNT REACTOR AT		9.600	EXCLUDE 5.7 Shunt reactor	WO # 10389087	
		Rebate w/o Shunt		SPIMAIN	6/06/13	06:58:00	6/06/13	15:45:00	220KV SHUNT REACTOR AT		8.783	EXCLUDE 5.7 Shunt reactor	WO # 10389087	
		OVERHAUL OF A 220KV SHUNT REACTOR		SPIMAIN	18/06/13	07:33:00	21/06/13	13:22:00	220KV SHUNT REACTOR AT MLTS		77.817	EXCLUDE 5.7 Shunt reactor	WO # 10366982	
		Resample of 220kv Sh React CB CT's - Code Amber		SPIMAIN	30/07/13	08:37:00	30/07/13	09:33:00	220KV SHUNT REACTOR AT MLTS		0.933	EXCLUDE 5.7 Shunt reactor	WO # 10395939	
		Rebate W/o 220kV Shunt React during CB SF6 top up		SPIMAIN	22/08/13	09:45:00	22/08/13	10:42:00	220KV SHUNT REACTOR AT MLTS		0.950	EXCLUDE 5.7 Shunt reactor	WO # 10396614	

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 applying to Powerlink	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. Exclusion 1.2 Third party event	A TNSP may provide further details of an exclusion event. TNSP to provide reference.
S6	Loss of supply event frequency (no. of events > 0.05 system minutes per annum)												
S7	Loss of supply event frequency (no. of events > 0.3 system minutes per annum)												

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	Comments
Name of any average outage duration parameters applying to SP AusNet	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	Number of hours, mins etc interrupted	Impact of 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. Exclusion 1.2 Third party event	A TNSP may provide further details of an exclusion event. TNSP to provide reference.	Details of reference attachments if applicable
S8	Average outage duration- lines (minutes)	Rebate Outage	REM_TRIP	17/04/13	15:39:00	17/04/13	16:25:00	HWPS-JLTS 3 220KV G	0.767		EXCLUDE 8.3 Third party outage	WO # 10388097	WO 10388097 INCIDENT-10388011-AEMO.pdf
		Rebate Outage	REM_TRIP	17/04/13	15:39:00	17/04/13	16:25:00	JLTS-MWTS 2 220KV G	0.767		EXCLUDE 8.3 Third party outage	WO # 10388098	WO 10388097 INCIDENT-10388011-AEMO.pdf

(minutes)		REBATE	REASON	DATE	START TIME	END DATE	END TIME	ASSET	IMPACT	EXCLUSION	WO #	FILE
	Rebate record for line remote trip		REM_TRIP	14/05/13	07:33:00	14/05/13	12:50:00	TBTS-JLA 2 220KV E	5.283	EXCLUDE 8.3 Third party outage	WO # 10391406	WO 10391406 TBTS-JLA No2.pdf
S9	Average outage duration- transformers (minutes)											
	Rebate W/O		FAULT	20/01/13	18:37:00	20/01/13	19:17:00	B6 220/66KV TRANS AT RTS	0.667	EXCLUDE 9.1 Unregulated transmission asset	WO # 10385089, SIR # 10383461	
	CBTS A1 Trans Blue Phase Trip		FAULT	1/04/13	07:17:00	1/04/13	10:13:00	A1 500/220KV TRANS BANK AT CBTS	2.933	EXCLUDE 9.1 Unregulated transmission asset	WO # 10386640, SIR # 10386639	
	CBTS A1 Trans Tripped on RPH low oil		FAULT	28/05/13	07:55:00	28/05/13	09:45:00	A1 500/220KV TRANS BANK AT CBTS	1.833	EXCLUDE 9.1 Unregulated transmission asset	WO # 10392271, SIR # 10392272	
	B1 Transformer tripped		FAULT	8/06/13	07:32:00	8/06/13	12:46:00	B2 220/66KV TRANS AT WBTS	5.233	EXCLUDE 9.1 Unregulated transmission asset	WO # 10392729, SIR # 10392727	
	B1 Transformer tripped		FAULT	8/06/13	07:32:00	8/06/13	12:46:00	B1 220/66KV TRANS AT WBTS	5.233	EXCLUDE 9.1 Unregulated transmission asset	WO # 10413719, SIR # 10392727	
	No2 66kV Bus Trip at GTS		FAULT	26/06/13	07:08:00	26/06/13	21:33:00	B2 220/66KV TRANS AT GTS	14.417	EXCLUDE 9.1 Unregulated transmission asset	WO # 10393841, SIR # 10393836	

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.

SP AusNet - S1 - Total circuit availability

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Total circuit availability	98.20%	98.41%	98.73%	99.05%	99.30%
Weighting	-0.20%	-0.20%	0.00%	0.20%	0.20%

Performance Formulae	Formulae				Conditions			S- Calc 1	S- Calc 2				
Performance	=	-0.002000			When:	Availability	<	98.41%	-0.002000	-0.002000			
	=	0.625000	x	Availability	+	-0.617063	98.41%	≤	Availability	≤	98.73%	0.002051	0.002821
	=	0.625000	x	Availability	+	-0.617062	98.73%	≤	Availability	≤	99.05%	0.002051	0.002821
	=	0.002000					99.05%	<	Availability			0.002000	0.002000

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Total circuit availability	=	99.058086%	99.181392%
S-Factor	=	0.200000%	0.200000%

NOTE:

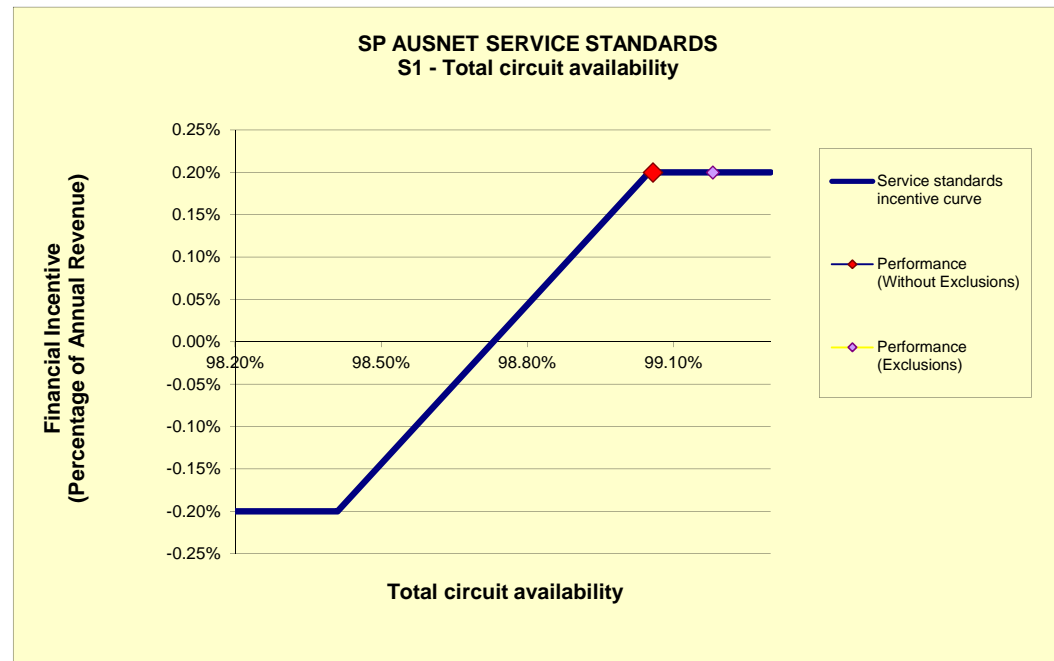
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Orange cells show the TNSP's performance outcomes with events excluded from performance data



SP AusNet - S2 - Peak critical availability

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Peak critical availability	98.40%	98.62%	99.39%	99.78%	100.00%
Weighting	-0.20%	-0.20%	0.00%	0.20%	0.20%

Performance Formulae	Formulae				Conditions			S- Calc 1	S- Calc 2				
Performance	=	-0.002000			When:	Availability	<	98.62%	-0.002000	-0.002000			
	=	0.259740	x	Availability	+	-0.258156	98.62%	≤	Availability	≤	99.39%	0.000427	0.000785
	=	0.512821	x	Availability	+	-0.509692	99.39%	≤	Availability	≤	99.78%	0.000842	0.001550
	=	0.002000					99.78%	<	Availability			0.002000	0.002000

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Peak critical availability	=	99.554265%	99.692318%
S-Factor	=	0.084238%	0.155035%

NOTE:

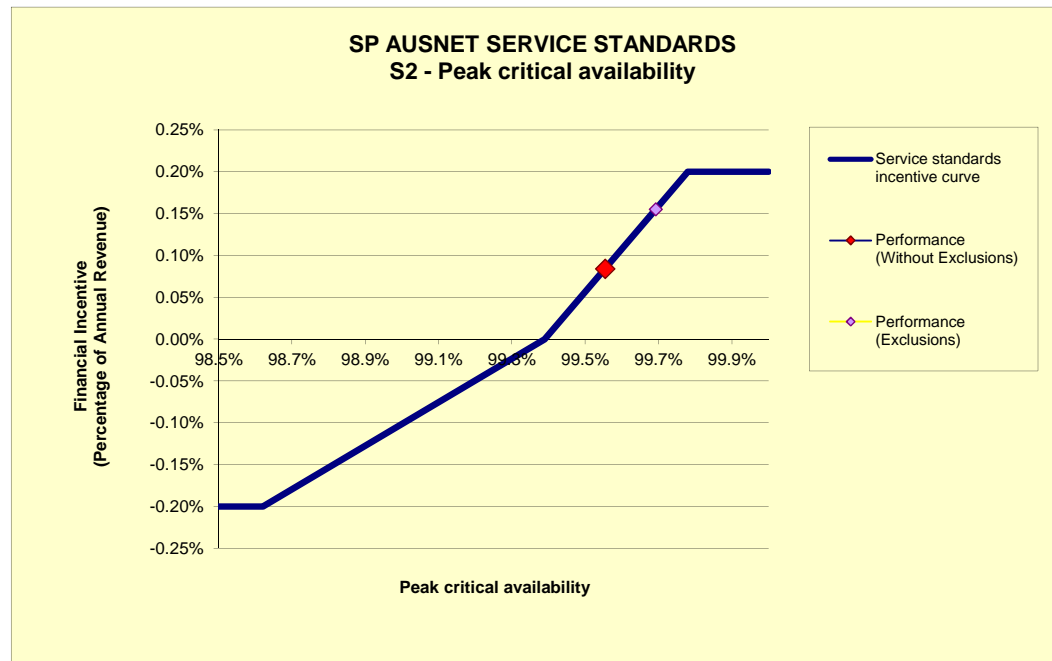
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SP AusNet - S3 - Peak non-critical availability

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Peak non-critical availability	98.60%	98.83%	99.40%	99.69%	99.90%
Weighting	-0.05%	-0.05%	0.00%	0.05%	0.05%

Performance Formulae	Formulae				Conditions			S- Calc 1	S- Calc 2				
Performance	=	-0.000500			When:	Availability	<	98.83%	-0.000500	-0.000500			
	=	0.087719	x	Availability	+	-0.087193	98.83%	≤	Availability	≤	99.40%	0.000374	0.000426
	=	0.172414	x	Availability	+	-0.171379	99.40%	≤	Availability	≤	99.69%	0.000734	0.000838
	=	0.000500					99.69%	<	Availability			0.000500	0.000500

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Peak non-critical availability	=	99.825901%	99.885896%
S-Factor	=	0.050000%	0.050000%

NOTE:

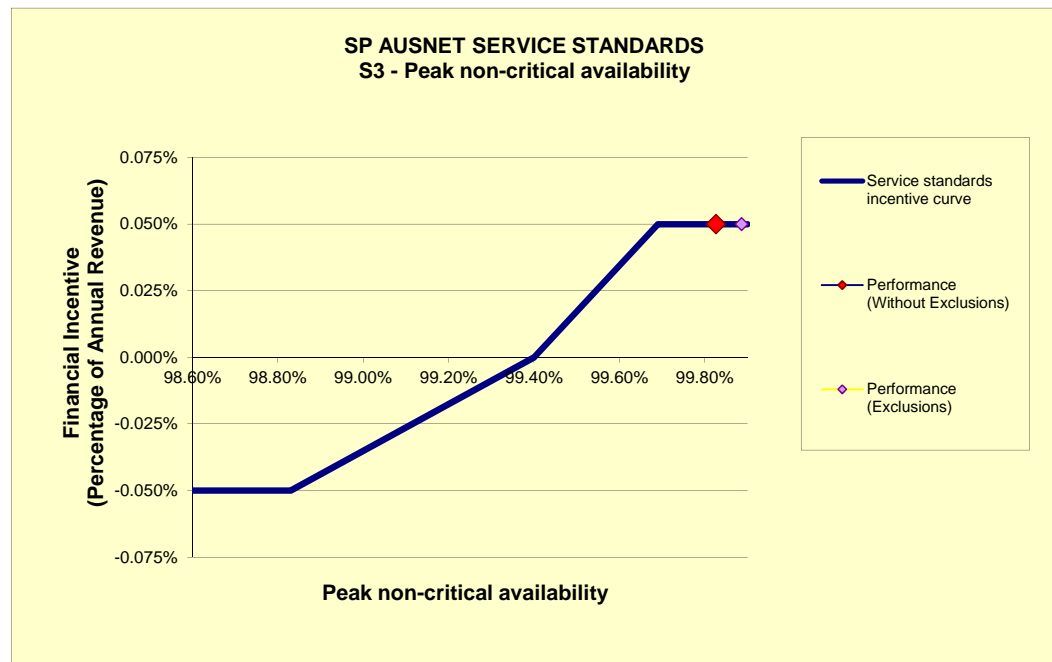
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SP AusNet - S4 - Intermediate critical availability

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Intermediate critical availability	97.10%	97.29%	98.67%	99.36%	99.60%
Weighting	-0.03%	-0.025%	0.00%	0.025%	0.03%

Performance Formulae	Formulae				Conditions			S- Calc 1	S- Calc 2				
Performance	=	-0.000250			When:	Availability	<	97.29%	-0.000250	-0.000250			
	=	0.018116	x	Availability	+	-0.017875	97.29%	≤	Availability	≤	98.67%	0.000164	0.000181
	=	0.036232	x	Availability	+	-0.035750	98.67%	≤	Availability	≤	99.36%	0.000328	0.000362
	=	0.000250					99.36%	<	Availability			0.000250	0.000250

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Intermediate critical availability	=	99.575811%	99.668001%
S-Factor	=	0.025000%	0.025000%

NOTE:

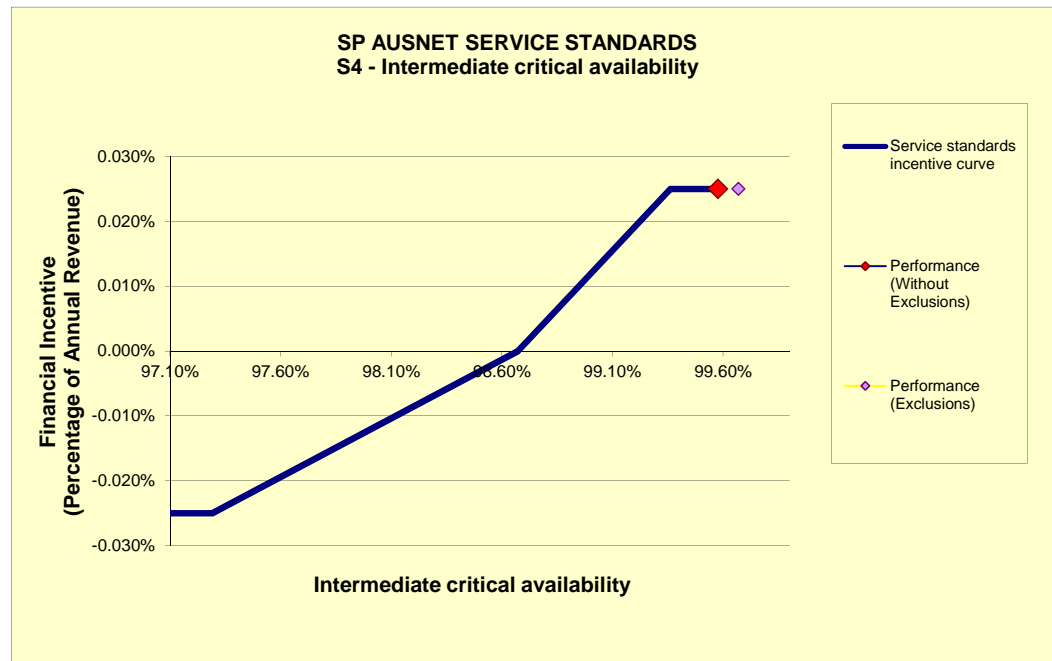
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SP AusNet - S5 - Intermediate non-critical availability

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Intermediate non-critical availability	97.40%	97.57%	98.73%	99.31%	99.50%
Weighting	-0.03%	-0.03%	0.00%	0.03%	0.03%

Performance Formulae	Formulae				Conditions			S- Calc 1	S- Calc 2				
Performance	=	-0.000250			When:	Availability	<	97.57%	-0.000250				
	=	0.021552	x	Availability	+	-0.021278	97.57%	≤	Availability	≤	98.73%	0.000009	0.000038
	=	0.043103	x	Availability	+	-0.042556	98.73%	≤	Availability	≤	99.31%	0.000019	0.000077
	=	0.000250					99.31%	<	Availability			0.000250	0.000250

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Intermediate non-critical availability	=	98.773709%	98.907715%
S-Factor	=	0.001884%	0.007660%

NOTE:

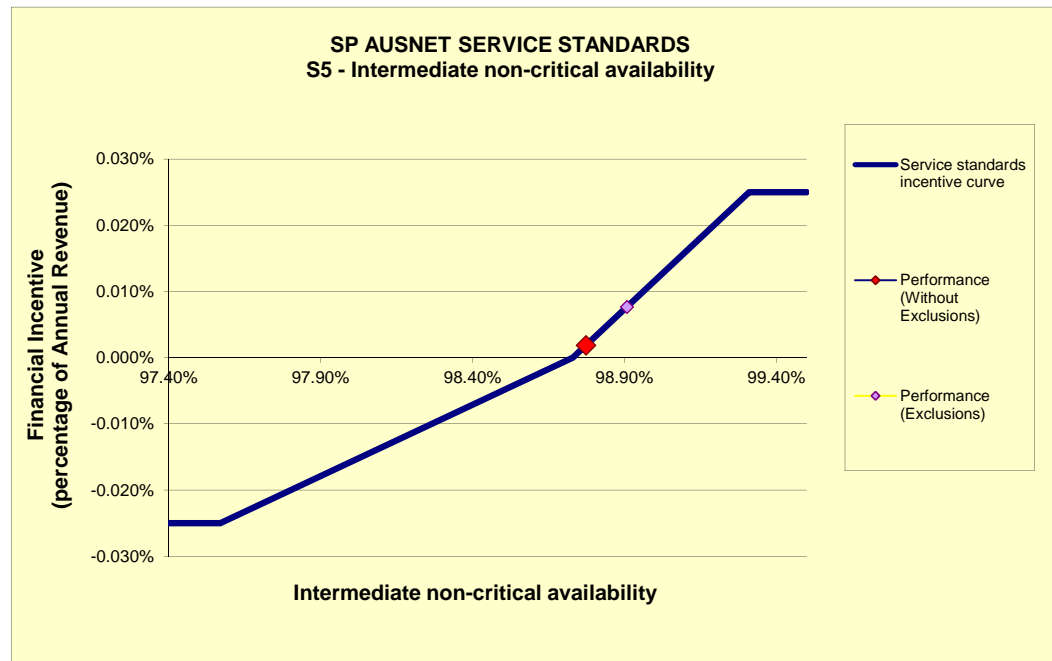
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SP AusNet - S6 - Loss of supply event frequency (no. of events > 0.05 system minutes per annum)

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Loss of supply event frequency (no. of events > 0.05 system minutes per annum)	11	9	6	3	-
Weighting	-0.13%	-0.125%	0.00%	0.125%	0.13%

Performance Formulae	Formulae					Conditions				S- Calc 1	S- Calc 2		
Performance	=	-0.001250				9.00	<	No. of events			-0.001250	-0.001250	
	=	-0.000417	x	No. of events	+	0.002500	6.00	≤	No. of events	≤	9.00	0.000417	0.000417
	=	-0.000417	x	No. of events	+	0.002500	3.00	≤	No. of events	≤	6.00	0.000417	0.000417
	=	0.001250							No. of events	<	3.00	0.001250	0.001250

Loss of supply event frequency (no. of events > 0.05 system minutes per annum)	Performance (Without Exclusions)	Performance (Exclusions)
Loss of supply event frequency (no. of events > 0.05 system minutes per annum)	= 5	5
S-Factor	0.041667%	0.041667%

NOTE:

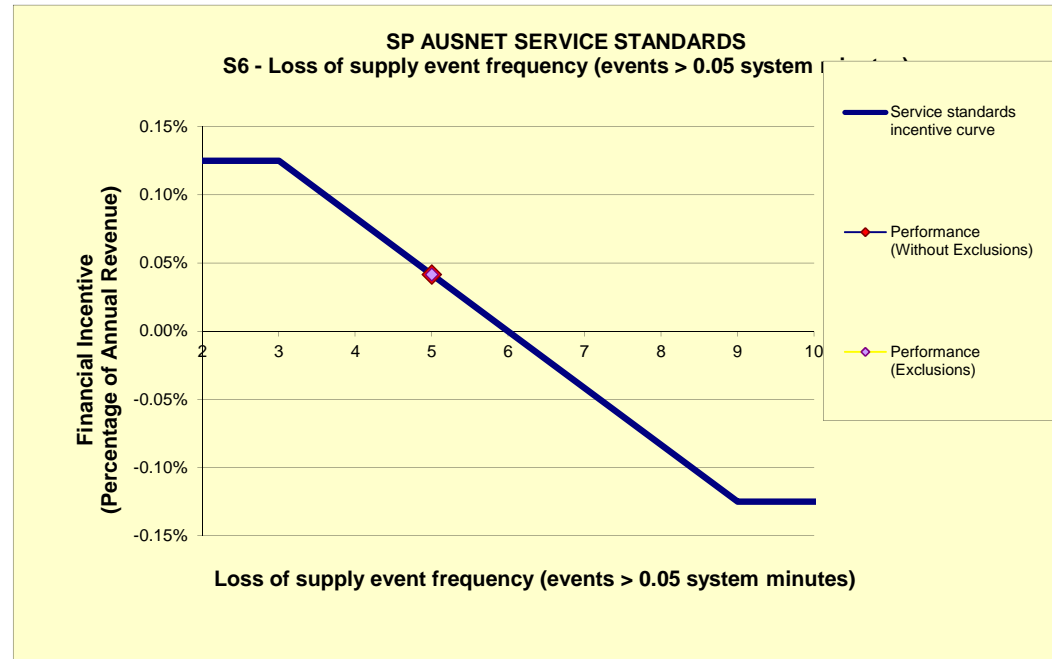
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SP AusNet - S7 - Loss of supply event frequency (no. of events > 0.3 system minutes per annum)

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Loss of supply event frequency (no. of events > 0.3 system minutes per annum)	6	4	1	0	0
Weighting	-0.13%	-0.125%	0.00%	0.125%	0.13%

Performance Formulae	Formulae					Conditions				S- Calc 1	S- Calc 2		
Performance	=	-0.001250				4.00	<	No. of events			-0.001250	-0.001250	
	=	-0.000417	x	No. of events	+	0.000417	1.00	≤	No. of events	≤	4.00	0.000000	0.000000
	=	-0.001250	x	No. of events	+	0.001250	0.00	≤	No. of events	≤	1.00	0.000000	0.000000
	=	0.001250							No. of events	=	0.00	0.001250	0.001250

Loss of supply event frequency (no. of events > 0.3 system minutes per annum)		Performance (Without Exclusions)	Performance (Exclusions)
Loss of supply event frequency (no. of events > 0.3 system minutes per annum)	=	1	1
S-Factor		0.000000%	0.000000%

NOTE:

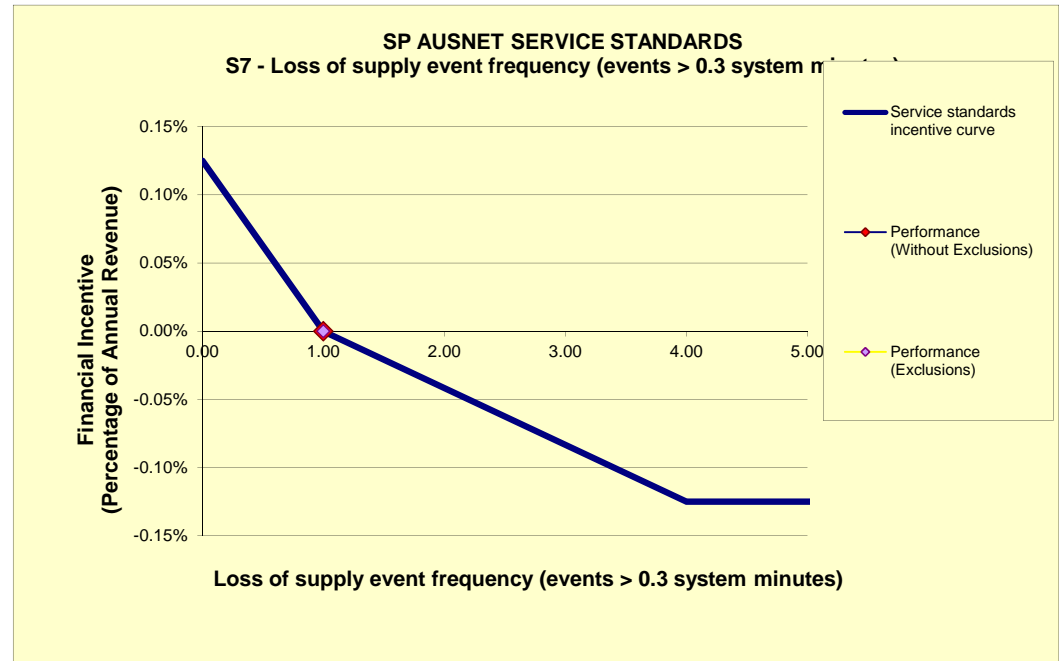
This sheet will automatically update based on data in input sheets

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



SP AusNet - S8 - Average outage duration– lines (minutes)

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Average outage duration– lines (minutes)	867	667	382	98	-
Weighting	-0.13%	-0.125%	0.00%	0.125%	0.13%

Performance Formulae	Formulae						Conditions				S- Calc 1	S- Calc 2		
Performance	=	-0.001250				667	<	Duration				-0.001250	-0.001250	
	=	-0.000004	x	Duration	+	0.001675		382	≤	Duration	≤	667	0.000696	0.000696
	=	-0.000004	x	Duration	+	0.001681		98	≤	Duration	≤	382	0.000699	0.000699
	=	0.001250								Duration	<	98	0.001250	0.001250

Average outage duration– lines (minutes)		Performance (Without Exclusions)	Performance (Exclusions)
Average outage duration– lines (minutes)	=	223.225000	223.225000
S-Factor		0.069883%	0.069883%

NOTE:

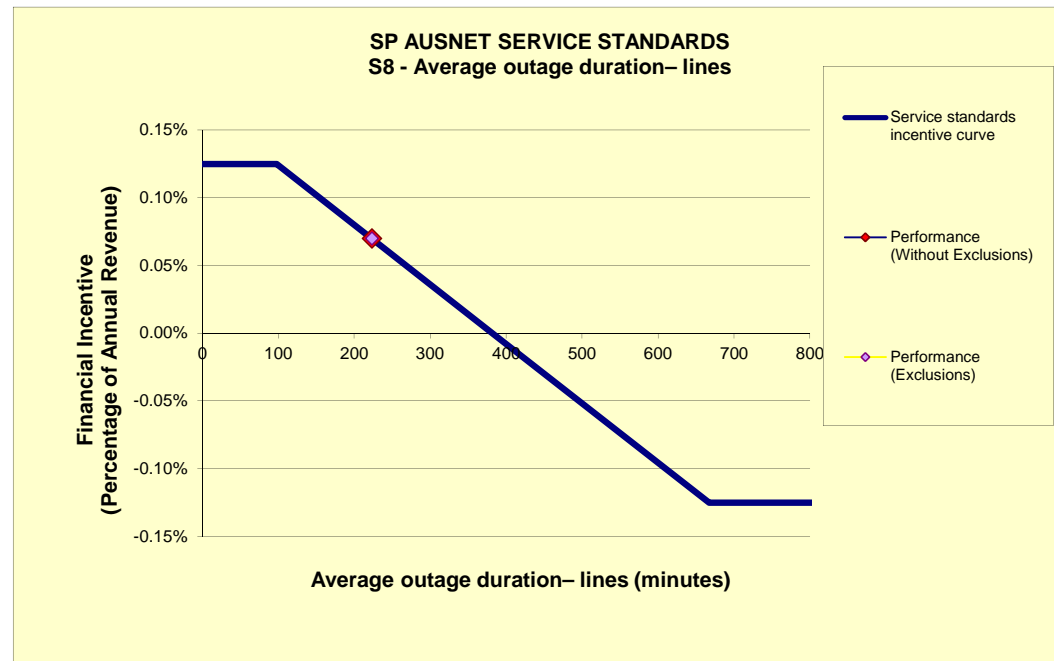
This sheet will automatically update based on data in input sheets

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



SP AusNet - S9 - Average outage duration- transformers (minutes)

Performance Targets	Graph start	Collar	Target	Cap	Graph end
Average outage duration- transformers (minutes)	756	556	412	268	-
Weighting	-0.13%	-0.125%	0.00%	0.125%	0.13%

Performance Formulae	Formulae					Conditions			S- Calc 1	S- Calc 2	
Performance	=	-0.001250				556.00	<	Duration		-0.001250	-0.001250
	=	-0.000009	x	Duration	+	0.003576	412.00	≤	Duration ≤ 556.00	0.001514	0.001514
	=	-0.000009	x	Duration	+	0.003576	268.00	≤	Duration ≤ 412.00	0.001514	0.001514
	=	0.001250							Duration < 268.00	0.001250	0.001250

Average outage duration- transformers (minutes)		Performance (Without Exclusions)	Performance (Exclusions)
Average outage duration- transformers (minutes)	=	237.566038	237.566038
S-Factor	=	0.125000%	0.125000%

NOTE:

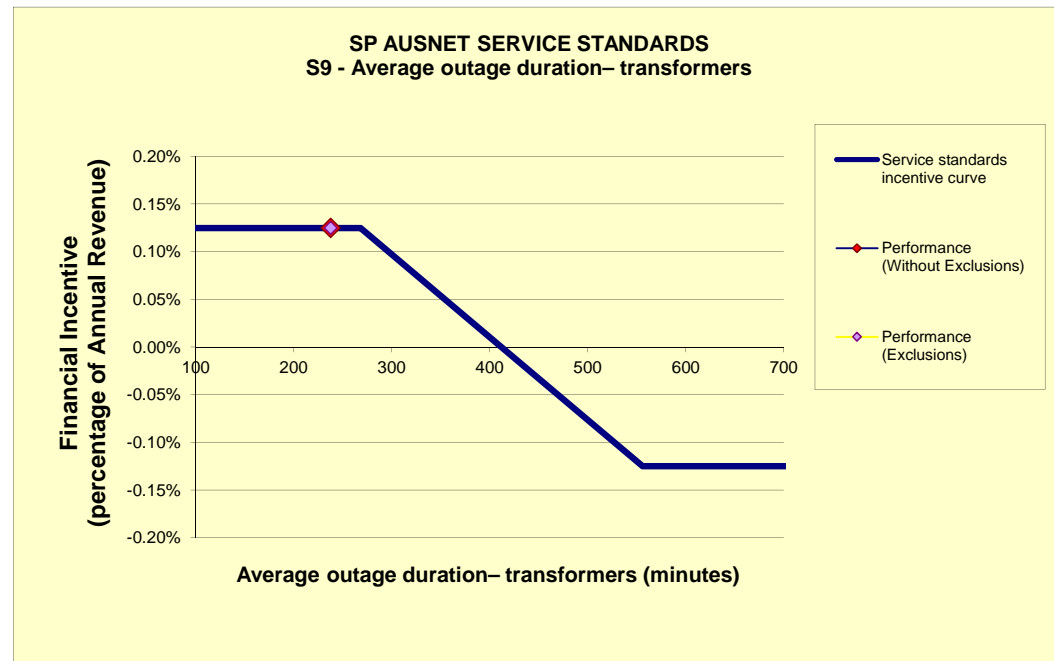
This sheet will automatically update based on data in input sheets

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



SP AusNet - Revenue Calculation

Revenue cap information	
Base year allowed revenue	\$454,974,504
Base year	2008/09
X-factor	-1.01%
Commencement of regulatory period	1-Apr-08

Annual revenue adjusted for CPI	Dec-07	Dec-08	Dec-09	Dec-10	Dec-11	Dec-12	Dec-13
CPI (old index)	160.1	166.0	169.5	174.0	179.4	-	-
CPI (new index)	89.1	92.4	94.3	96.9	99.8	102.0	-

Nominal annual revenue	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Allowed Revenue	\$454,974,504	\$476,505,796	\$491,466,786	\$509,610,174	\$530,732,461	\$547,910,538

Calendar year revenue	2008	2009	2010	2011	2012	2013	2014
Revenue	\$341,230,878	\$471,122,973	\$487,726,539	\$505,074,327	\$525,451,890	\$543,616,019	

NOTE:

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

Grey cells show calendar year revenue

Green cells are for formula

SP AusNet's revenue stream operates on an April to March financial year basis.

SP AusNet - Performance outcomes

Revenue calendar year

\$543,616,019

S	Performance parameter	Target	Performance without exclusions			Performance with exclusions			Impact of exclusions
			Performance	S-Factor	Final Incentive	Performance	S-Factor	Final Incentive	
S1	Total circuit availability	98.73%	99.06%	0.20%	\$1,087,232	99.18%	0.20%	\$1,087,232	0.000%
S2	Peak critical availability	99.39%	99.55%	0.08%	\$457,933	99.69%	0.16%	\$842,794	0.071%
S3	Peak non-critical availability	99.40%	99.83%	0.05%	\$271,808	99.89%	0.05%	\$271,808	0.000%
S4	Intermediate critical availability	98.67%	99.58%	0.03%	\$135,904	99.67%	0.03%	\$135,904	0.000%
S5	Intermediate non-critical availability	98.73%	98.77%	0.00%	\$10,242	98.91%	0.01%	\$41,642	0.006%
S6	Loss of supply event frequency (no. of events > 0.05 system minutes per annum)	6	5	0.041667%	\$226,507	5	0.041667%	\$226,507	0.000%
S7	Loss of supply event frequency (no. of events > 0.3 system minutes per annum)	1	1	0.000000%	\$0	1	0.000000%	\$0	0.000%
S8	Average outage duration– lines (minutes)	382	223	0.069883%	\$379,897	223	0.069883%	\$379,897	0.000%
S9	Average outage duration– transformers (minutes)	412	238	0.125000%	\$679,520	238	0.125000%	\$679,520	0.000%
TOTALS				0.597672%	\$3,249,042		0.674245%	\$3,665,304	0.077%

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	0.674245%
Financial Incentive	\$3,665,304
Financial year affected by financial incentive	2014/15

SP AusNet - Defined exclusions

No.	Parameter 1- Total circuit availability		
	Defined exclusions	Further description of exclusion	Reference
1.1	Unregulated transmission assets		Appendix B Revenue Cap decision
1.2	Connection assets		Appendix B Revenue Cap decision
1.3	Third party outage	Exclude from 'circuit unavailability' any outages shown to be caused by a fault or other event on a third party system e.g. intertrip signal, generator outage, customer installation; or by direction by fire services (eg. MFB, CFA or DSE Bushfire Incident Co-ordinator). Exclude an outage requested by AEMO except if SP AusNet 'causes' the outage through an act or omission. Exclude co-incident outages for a generator or HV direct connect customer defined as: - Planned outages requested by the Generator or HV Customer on their dedicated line (eg. APD at Portland or JLA Bluescope Steel at Tyabb or Alcoa point Henry Geelong). - Outages co-ordinated with the shutdown of the Generator or HV customers equipment such that the customer does not require system normal network reliability or transfer capability through the high voltage grid and the outage does not affect the supply of any other person who is connected to the high voltage grid. - Faults on the dedicated line caused by faults in the Generator or HV customer installation.	Appendix B Revenue Cap decision and as submitted by SP AusNet
1.4	Force majeure		Appendix B Revenue Cap decision
1.5	Switching to control voltages	Outages to control voltages within required limits, both as directed by AEMO and where AEMO does not have direct oversight of the network (in both cases only where the element is available for immediate energisation if required)	Appendix B Revenue Cap decision
1.6	Fault-level mitigation works	Fault-level mitigation works, except for that associated with JLTS 220 kV Fault Limiting Reactors and Fault Level Mitigation Works at JLTS and MWTS; and WMTS 66 kV Bus Tie Series Fault Limiting Reactor	Appendix B Revenue Cap decision
	Parameter 2- Peak critical availability		
	Defined exclusions	Further description of exclusion	Reference
2.1	Unregulated transmission assets		Appendix B Revenue Cap decision
2.2	Connection assets		Appendix B Revenue Cap decision
2.3	Third party outage	Exclude from 'circuit unavailability' any outages shown to be caused by a fault or other event on a third party system e.g. intertrip signal, generator outage, customer installation; or by direction by fire services (eg. MFB, CFA or DSE Bushfire Incident Co-ordinator). Exclude an outage requested by AEMO except if SP AusNet 'causes' the outage through an act or omission. Exclude co-incident outages for a generator or HV direct connect customer defined as: - Planned outages requested by the Generator or HV Customer on their dedicated line (eg. APD at Portland or JLA Bluescope Steel at Tyabb or Alcoa point Henry Geelong). - Outages co-ordinated with the shutdown of the Generator or HV customers equipment such that the customer does not require system normal network reliability or transfer capability through the high voltage grid and the outage does not affect the supply of any other person who is connected to the high voltage grid. - Faults on the dedicated line caused by faults in the Generator or HV customer installation.	Appendix B Revenue Cap decision and as submitted by SP AusNet
2.4	Force majeure		Appendix B Revenue Cap decision
2.5	Shunt reactors	Exclude from 'circuit availability (peak critical)' and 'circuit availability (peak non-critical)' any outages of shunt reactors	Appendix B Revenue Cap decision
2.6	Switching to control voltages	Outages to control voltages within required limits, both as directed by AEMO and where AEMO does not have direct oversight of the network (in both cases only where the element is available for immediate energisation if required)	Appendix B Revenue Cap decision
2.7	Fault-level mitigation works	Fault-level mitigation works, except for that associated with JLTS 220 kV Fault Limiting Reactors and Fault Level Mitigation Works at JLTS and MWTS; and WMTS 66 kV Bus Tie Series Fault Limiting Reactor	Appendix B Revenue Cap decision
	Parameter 3- Peak non-critical availability		
	Defined exclusions	Further description of exclusion	Reference
3.1	Unregulated transmission assets		Appendix B Revenue Cap decision
3.2	Connection assets		Appendix B Revenue Cap decision
3.3	Third party outage	Exclude from 'circuit unavailability' any outages shown to be caused by a fault or other event on a third party system e.g. intertrip signal, generator outage, customer installation; or by direction by fire services (eg. MFB, CFA or DSE Bushfire Incident Co-ordinator). Exclude an outage requested by AEMO except if SP AusNet 'causes' the outage through an act or omission. Exclude co-incident outages for a generator or HV direct connect customer defined as: - Planned outages requested by the Generator or HV Customer on their dedicated line (eg. APD at Portland or JLA Bluescope Steel at Tyabb or Alcoa point Henry Geelong). - Outages co-ordinated with the shutdown of the Generator or HV customers equipment such that the customer does not require system normal network reliability or transfer capability through the high voltage grid and the outage does not affect the supply of any other person who is connected to the high voltage grid. - Faults on the dedicated line caused by faults in the Generator or HV customer installation.	Appendix B Revenue Cap decision and as submitted by SP AusNet
3.4	Force majeure		Appendix B Revenue Cap decision
3.5	Switching to control voltages	Outages to control voltages within required limits, both as directed by AEMO and where AEMO does not have direct oversight of the network (in both cases only where the element is available for immediate energisation if required)	Appendix B Revenue Cap decision
3.6	Fault-level mitigation works	Fault-level mitigation works, except for that associated with JLTS 220 kV Fault Limiting Reactors and Fault Level Mitigation Works at JLTS and MWTS; and WMTS 66 kV Bus Tie Series Fault Limiting Reactor	
3.7	Shunt reactors	Exclude from 'circuit availability (peak critical)' and 'circuit availability (peak non-critical)' any outages of shunt reactors	Appendix B Revenue Cap decision
	Parameter 4- Intermediate critical availability		
	Defined exclusions	Further description of exclusion	Reference
4.1	Unregulated transmission assets		Appendix B Revenue Cap decision
4.2	Connection assets		Appendix B Revenue Cap decision

4.3	Third party outage	Exclude from 'circuit unavailability' any outages shown to be caused by a fault or other event on a third party system e.g. intertrip signal, generator outage, customer installation; or by direction by fire services (eg. MFB, CFA or DSE Bushfire Incident Co-ordinator). Exclude an outage requested by AEMO except if SP AusNet 'causes' the outage through an act or omission. Exclude co-incident outages for a generator or HV direct connect customer defined as: - Planned outages requested by the Generator or HV Customer on their dedicated line (eg. APD at Portland or JLA Bluescope Steel at Tyabb or Alcoa point Henry Geelong). - Outages co-ordinated with the shutdown of the Generator or HV customers equipment such that the customer does not require system normal network reliability or transfer capability through the high voltage grid and the outage does not affect the supply of any other person who is connected to the high voltage grid. - Faults on the dedicated line caused by faults in the Generator or HV customer installation.	Appendix B Revenue Cap decision and as submitted by SP AusNet
4.4	Force majeure		Appendix B Revenue Cap decision
4.5	Switching to control voltages	Outages to control voltages within required limits, both as directed by AEMO and where AEMO does not have direct oversight of the network (in both cases only where the element is available for immediate energisation if required)	Appendix B Revenue Cap decision
4.6	Fault-level mitigation works	Fault-level mitigation works, except for that associated with JLTS 220 kV Fault Limiting Reactors and Fault Level Mitigation Works at JLTS and MWTS; and WMTS 66 kV Bus Tie Series Fault Limiting Reactor	
4.7	Shunt reactors	Exclude from 'circuit availability (intermediate critical)' any outages of shunt reactors	Final determination p. 184
Parameter 5- Intermediate non-critical availability			
Defined exclusions		Further description of exclusion	Reference
5.1	Unregulated transmission assets		Appendix B Revenue Cap decision
5.2	Connection assets		Appendix B Revenue Cap decision
5.3	Third party outage	Exclude from 'circuit unavailability' any outages shown to be caused by a fault or other event on a third party system e.g. intertrip signal, generator outage, customer installation; or by direction by fire services (eg. MFB, CFA or DSE Bushfire Incident Co-ordinator). Exclude an outage requested by AEMO except if SP AusNet 'causes' the outage through an act or omission. Exclude co-incident outages for a generator or HV direct connect customer defined as: - Planned outages requested by the Generator or HV Customer on their dedicated line (eg. APD at Portland or JLA Bluescope Steel at Tyabb or Alcoa point Henry Geelong). - Outages co-ordinated with the shutdown of the Generator or HV customers equipment such that the customer does not require system normal network reliability or transfer capability through the high voltage grid and the outage does not affect the supply of any other person who is connected to the high voltage grid. - Faults on the dedicated line caused by faults in the Generator or HV customer installation.	Appendix B Revenue Cap decision and as submitted by SP AusNet
5.4	Force majeure		Appendix B Revenue Cap decision
5.5	Switching to control voltages	Outages to control voltages within required limits, both as directed by AEMO and where AEMO does not have direct oversight of the network (in both cases only where the element is available for immediate energisation if required)	Appendix B Revenue Cap decision
5.6	Fault-level mitigation works	Fault-level mitigation works, except for that associated with JLTS 220 kV Fault Limiting Reactors and Fault Level Mitigation Works at JLTS and MWTS; and WMTS 66 kV Bus Tie Series Fault Limiting Reactor	
5.7	Shunt reactors	Exclude from 'circuit availability (intermediate non-critical)' any outages of shunt reactors	Final determination p. 184
Parameter 6- Loss of supply event frequency (>0.05min)			
Defined exclusions		Further description of exclusion	Reference
6.1	Unregulated transmission assets		Appendix B Revenue Cap decision
6.3	Third party outage	Any outages shown to be caused by a fault or other event on a '3rd party system' e.g. intertrip signal, generator outage, or customer installation	Appendix B Revenue Cap decision
6.4	Force majeure		Appendix B Revenue Cap decision
6.5	Successful reclose events (<1 min duration)		Appendix B Revenue Cap decision
6.6	Planned outages		Appendix B Revenue Cap decision
Parameter 7- Loss of supply event frequency (>0.3min)			
Defined exclusions		Further description of exclusion	Reference
7.1	Unregulated transmission assets		Appendix B Revenue Cap decision
7.3	Third party outage	Any outages shown to be caused by a fault or other event on a '3rd party system' e.g. intertrip signal, generator outage, or customer installation	Appendix B Revenue Cap decision
7.4	Force majeure		Appendix B Revenue Cap decision
7.5	Successful reclose events (<1 min duration)		Appendix B Revenue Cap decision
7.6	Planned outages		Appendix B Revenue Cap decision
Parameter 8- Average outage durations (lines)			
Defined exclusions		Further description of exclusion	Reference
8.1	Unregulated transmission assets		
8.3	Third party outage	Any outages shown to be caused by a fault or other event on a '3rd party system' e.g. intertrip signal, generator outage, or customer installation	Historical exclusion applied by SP AusNet
8.4	Force majeure		Appendix B Revenue Cap decision
8.5	Momentary interruptions (<1 min duration)		Appendix B Revenue Cap decision
8.6	Planned outages		Appendix B Revenue Cap decision
Parameter 9 - Average outage duration (transformers)			
Defined exclusions		Further description of exclusion	Reference
9.1	Unregulated transmission assets		
9.3	Third party outage	Any outages shown to be caused by a fault or other event on a '3rd party system' e.g. intertrip signal, generator outage, or customer installation	Historical exclusion applied by SP AusNet
9.4	Force majeure		Appendix B Revenue Cap decision
9.5	Momentary interruptions (<1 min duration)		Appendix B Revenue Cap decision

9.6	Planned outages		Appendix B Revenue Cap decision
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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 (January 2007) p. 31</p>