

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%	99.094320%	99.112716%	-1421863.016791%
S2	Peak critical availability	98.62%	99.39%	99.78%	0.20%	99.771134%	99.800947%	-3751.895566%
S3	Peak non-critical availability	98.83%	99.40%	99.69%	0.05%	99.768665%	99.884990%	-6371.897935%
S4	Intermediate critical availability	97.29%	98.67%	99.36%	0.025%	99.286024%	99.287026%	-42.380576%
S5	Intermediate non-critical availability	97.57%	98.73%	99.31%	0.025%	99.076749%	99.093576%	-950.923351%
S6	Loss of supply event frequency (no. of events > 0.05 system minutes per annum)	9	6	3	0.125%	0	0	0
S7	Loss of supply event frequency (no. of events > 0.3 system minutes per annum)	4	1	0	0.125%	0	0	0
S8	Average outage duration– lines (minutes)	667	382	98	0.125%	129	129	129
S9	Average outage duration– transformers (minutes)	556	412	268	0.125%	1048	1048	1048

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	2011
Financial year to affect revenue:	2012/13
Date prepared:	31 January 2012
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	160.1	166.0	169.5	174.0				

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
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 reactive plant or transformer affected	Impact of exclusion event on availability sub-parameter	Full details of the reasons 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.
		INSPECT & REPORT ON O/Haul U1 66/22KV TRANS	SPIMAIN	7/01/11	06:46:00	7/01/11	15:08:00		B4 220/66KV	8.367	EXCLUDE 1.2 Connection asset	WO # V8F158B6
		Overhaul Trans & Div. Switch	SPIMAIN	8/01/11	06:54:00	8/01/11	13:18:00		U1 66/22KV TRANS	6.400	EXCLUDE 1.2 Connection asset	WO # 10313968
		Transgrid Outage	SPIMAIN	11/01/11	07:08:00	11/01/11	15:34:00		B2 220/66KV	8.433	EXCLUDE 1.2 Connection asset	WO # 10306172
		Transgrid Outage	TransGRD	16/01/11	06:05:00	16/01/11	12:11:00	MSS NO.1 330KV		6.100	EXCLUDE 1.3 Third party outage	WO # 10342055
		Transgrid Outage	TransGRD	16/01/11	12:18:00	16/01/11	17:27:00	MSS NO.2 330KV		5.150	EXCLUDE 1.3 Third party outage	WO # 10342056
		VSCAP to PTH	APDALCOA	19/01/11	07:37:00	19/01/11	13:15:00	GTS NO.1 220KV		5.633	EXCLUDE 1.3 Third party outage	WO # 10341359
		Transgrid Outage	TransGRD	22/01/11	06:04:00	22/01/11	19:16:00	MSS NO.1 330KV		13.200	EXCLUDE 1.3 Third party outage	WO # 10342253
		Surge Arrester Replacement	SPIMAIN	22/01/11	07:40:00	22/01/11	17:20:00		L1 220/22KV	9.667	EXCLUDE 1.2 Connection asset	WO # X7G358H5
		Transgrid Outage	TransGRD	23/01/11	06:00:00	23/01/11	18:07:00	MSS NO.2 330KV		12.117	EXCLUDE 1.3 Third party outage	WO # 10342254
		Rebate Tran for Bus outage	SPIMAIN	23/01/11	06:42:00	23/01/11	13:58:00		B1 220/66KV	7.267	EXCLUDE 1.2 Connection asset	WO # 10296934
		MODS CBLE BOX CONN FUT	SPICAPX	24/01/11	06:03:00	24/01/11	18:14:00		B5 220/66KV	12.183	EXCLUDE 1.2 Connection asset	WO # X78558R4
		REPLACE B1 TRANS 11KV	SPICAPX	27/01/11	06:07:00	28/01/11	08:30:00		B1 220/66KV	26.383	EXCLUDE 1.2 Connection asset	WO # X78558V5
		Connect 11kv cables to B4	SPICAPX	1/02/11	06:49:00	1/02/11	15:29:00		B4 220/66KV	8.867	EXCLUDE 1.2 Connection asset	WO # X80458B8
		MLTS Reactor Switching	SW_NEM	1/02/11	20:00:00	1/02/11	20:10:00	MLTS-HYTS 1		0.167	EXCLUDE 1.5 Switching to control voltages	WO # 10342419
		OVERHAUL TRANSFORMER	SPIMAIN	3/02/11	07:00:00	3/02/11	17:50:00		R3 220/66/22KV	10.833	EXCLUDE 1.1 Unregulated transmission asset	WO # 10307477
		DDTS-WOTS Line Tripped	FAULT	4/02/11	21:30:00	4/02/11	21:32:00		NO.1 330/66/22KV	0.033	EXCLUDE 1.2 Connection asset	WO # 10343618
		DDTS-WOTS Line Tripped	FAULT	4/02/11	21:30:00	4/02/11	21:32:00		NO.2 330/66/22KV	0.033	EXCLUDE 1.2 Connection asset	WO # 10343619
		OVERHAUL OF A	SPIMAIN	8/02/11	07:00:00	8/02/11	16:05:00		B4 220/66KV	9.083	EXCLUDE 1.2 Connection asset	WO # 10306372
		OVERHAUL OF A	SPIMAIN	9/02/11	06:55:00	9/02/11	16:14:00		B4 220/66KV	9.317	EXCLUDE 1.2 Connection asset	WO # 10306372
		Transgrid outage	TransGRD	12/02/11	06:02:00	12/02/11	12:49:00	MSS -DDTS 1		6.783	EXCLUDE 1.3 Third party outage	WO # 10343273
		Transgrid Outage	TransGRD	12/02/11	12:50:00	12/02/11	18:20:00	MSS -DDTS 2		5.500	EXCLUDE 1.3 Third party outage	WO # 10343274
		Surge Arrester Replacement	SPICAPX	15/02/11	06:31:00	15/02/11	15:25:00		B3 220/66KV	8.900	EXCLUDE 1.2 Connection asset	WO # X7G358K1
		FIX EARTH FLAGS ON TRANS	SPICAPX	16/02/11	06:02:00	16/02/11	12:10:00		B5 220/66KV	6.133	EXCLUDE 1.1 Unregulated transmission asset	WO # X70658HG
		Surge Arrester Replacement	SPICAPX	16/02/11	06:27:00	16/02/11	16:33:00		B3 220/66KV	10.100	EXCLUDE 1.2 Connection asset	WO # X7G358K1
		Surge Arrester Replacement	SPICAPX	17/02/11	06:28:00	17/02/11	15:32:00		B1 220/66KV	9.067	EXCLUDE 1.2 Connection asset	WO # X7G358K2
		OUTAGE DUE TO SUSPECT Proximity	SPICAPX	17/02/11	09:41:00	17/02/11	16:03:00		B5 220/66KV	6.367	EXCLUDE 1.2 Connection asset	WO # X78558AP
		Surge Arrester Replacement	SPICAPX	18/02/11	05:08:00	18/02/11	17:15:26		B5 220/66KV	12.124	EXCLUDE 1.2 Connection asset	WO # 10343420
		Connect 11kv cables to B3	SPICAPX	18/02/11	06:30:00	18/02/11	13:00:00		B1 220/66KV	6.500	EXCLUDE 1.2 Connection asset	WO # X7G358K2
		DE-ENERGISE TRANS FOR	SPICAPX	19/02/11	06:32:00	20/02/11	12:04:00		B3 220/66KV	29.533	EXCLUDE 1.2 Connection asset	WO # X80458B9
		INVESTIGATE 66KV VT OIL	VEN_AUG	21/02/11	07:13:00	21/02/11	17:21:00		B5 220/66KV	10.133	EXCLUDE 1.2 Connection asset	WO # X78558AR
		INVESTIGATE TRANS 66KV	VEN_AUG	21/02/11	07:24:00	21/02/11	09:30:00		B1 220/66KV	2.100	EXCLUDE 1.1 Unregulated transmission asset	WO # X78558Q3
		OVERHAUL OF A	SPIMAIN	22/02/11	06:46:00	22/02/11	11:12:00		B3 220/66KV	1.750	EXCLUDE 1.1 Unregulated transmission asset	WO # X78558Q4
		DE-ENERGISE TRANS FOR	SPICAPX	22/02/11	07:11:00	22/02/11	18:01:00		B5 220/66KV	10.833	EXCLUDE 1.2 Connection asset	WO # 10307767
		Trans Trip	FAULT	22/02/11	11:46:00	22/02/11	15:57:00		B3 220/66KV	4.183	EXCLUDE 1.1 Unregulated transmission asset	WO # X78558AR
		DISCONNECT AND REMOVE	SPICAPX	23/02/11	06:00:00	23/02/11	09:27:00		B5 220/66KV	3.450	EXCLUDE 1.2 Connection asset	WO # 10343502
		OVERHAUL OF A	SPIMAIN	23/02/11	06:52:00	23/02/11	15:34:00		B2 220/66KV	8.700	EXCLUDE 1.2 Connection asset	WO # X78558AS
		APD requirement	APDALCOA	23/02/11	08:00:00	23/02/11	08:54:00	APD NO.1 500KV		0.900	EXCLUDE 1.3 Third party outage	WO # 10307767
		Low SF6 gas - top up required	FORCED	23/02/11	13:03:00	23/02/11	14:00:00		B2 220/66KV	0.950	EXCLUDE 1.2 Connection asset	WO # 10343498
		OVERHAUL OF A	SPIMAIN	24/02/11	06:52:00	24/02/11	16:24:00		B3 220/66KV	9.533	EXCLUDE 1.2 Connection asset	WO # 10343562
		De-energised for APD	APDALCOA	24/02/11	08:00:00	24/02/11	08:26:00	HYTS-APD 2		0.433	EXCLUDE 1.3 Third party outage	WO # 10314290
		OVERHAUL OF A	SPIMAIN	25/02/11	06:54:00	25/02/11	11:03:00		B3 220/66KV	4.150	EXCLUDE 1.2 Connection asset	WO # 10343426
		Repair Leak In 11KV Cable Box	SPICAPX	25/02/11	07:02:00	25/02/11	15:26:00		B3 220/66KV	8.400	EXCLUDE 1.2 Connection asset	WO # 10314290
		B3 Trans Trip	SPIMAIN	25/02/11	08:03:00	25/02/11	13:19:00		B3 220/66KV	5.267	EXCLUDE 1.1 Unregulated transmission asset	WO # X80458C3
		MWTS B2 Trans	SPIMAIN	26/02/11	06:42:00	26/02/11	15:43:00		B2 220/66KV	9.017	EXCLUDE 1.2 Connection asset	WO # 10343504
		Replace surge diverters	SPICAPX	26/02/11	07:03:00	26/02/11	17:07:00		B2 220/66KV	10.067	EXCLUDE 1.2 Connection asset	WO # 10343782
		MWTS B2 Trans	SPIMAIN	27/02/11	06:34:00	27/02/11	16:00:00		B2 220/66KV	9.433	EXCLUDE 1.2 Connection asset	WO # X7G358K6
		B2 Trans Outage	FORCED	27/02/11	16:00:00	28/02/11	23:59:59		B2 220/66KV	32.000	EXCLUDE 1.2 Connection asset	WO # 10343782
		B2 Trans Outage	FORCED	1/03/11	00:00:00	1/03/11	15:45:00		B2 220/66KV	15.750	EXCLUDE 1.2 Connection asset	WO # 10343747
		O/Haul NO3 TRANS AT	SPIMAIN	2/03/11	07:42:00	2/03/11	16:20:00		R3 220/66/22KV	8.633	EXCLUDE 1.2 Connection asset	WO # 10343747
		Rebate WO B4 Trans during	SPICAPX	5/03/11	07:41:00	5/03/11	18:00:00		B4 220/66KV	10.317	EXCLUDE 1.2 Connection asset	WO # 10313764
		Perf calc WO 1B trans during	SPICAPX	8/03/11	07:00:00	8/03/11	14:53:00		R1B 220/66/22KV	7.883	EXCLUDE 1.2 Connection asset	WO # 10344539
		Line Reactor switching directed	SW_NEM	8/03/11	11:01:00	8/03/11	14:50:00	MLTS-HYTS 1		0.233	EXCLUDE 1.5 Switching to control voltages	WO # 283758A3
		Line Reactor switching for	SW_NEM	8/03/11	16:03:00	8/03/11	16:14:00	EX - MLTS-HYTS 2		0.183	EXCLUDE 1.5 Switching to control voltages	WO # 10344001
		Install hand rails B1 Trans	SPICAPX	10/03/11	07:02:00	11/03/11	15:10:00		B1 220/66KV	32.133	EXCLUDE 1.2 Connection asset	WO # 10344002
		OVERHAUL TRANSFORMER	SPIMAIN	10/03/11	07:11:00	10/03/11	15:34:00		R3 220/66/22KV	8.383	EXCLUDE 1.1 Unregulated transmission asset	WO # V8C458A4
		Rebate outage for bus Fault	REIM_TRIP	12/03/11	10:20:00	12/03/11	12:37:00	HWPS NO.1 220KV		2.283	EXCLUDE 1.3 Third party outage	WO # 10307477
		Install hand rails B2 Trans, Fix	SPICAPX	16/03/11	06:08:00	18/03/11	14:04:00		B2 220/66KV	55.933	EXCLUDE 1.2 Connection asset	WO # 10344147
		Repair severe oil leak on 2B W	SPIMAIN	16/03/11	06:50:00	16/03/11	16:13:00		R2A/2B	9.383	EXCLUDE 1.2 Connection asset	WO # V8C458A5
		TOP UP BLUE PHASE	SPIMAIN	16/03/11	06:59:00	16/03/11	15:10:00		B1 220/66KV	8.183	EXCLUDE 1.2 Connection asset	WO # 10343808
		Repair severe oil leak on 2B W	SPIMAIN	17/03/11	06:51:00	17/03/11	14:56:00		R2A/2B	8.083	EXCLUDE 1.2 Connection asset	WO # 10343525
		Move 415V Circuits	SPICAPX	18/03/11	06:44:00	18/03/11	14:07:00		B1 220/66KV	7.383	EXCLUDE 1.2 Connection asset	WO # 10343808
		Transformer Diverter Switch	SPIMAIN	19/03/11	07:04:00	19/03/11	15:49:00		B4 220/66KV	8.750	EXCLUDE 1.2 Connection asset	WO # X80458D0
		SFT on B1 Trans by select	SPICAPX	21/03/11	14:33:00	23/03/11	09:55:00		B1 220/66KV	43.367	EXCLUDE 1.1 Unregulated transmission asset	WO # 10312146
		CLEAN UP MTS B1 Trans de-	SPIMAIN	22/03/11	08:00:00	22/03/11	12:40:00		B1 220/66KV	4.667	EXCLUDE 1.2 Connection asset	WO # 281458A6
		CARRY OUT OPERATOR	SPIMAIN	22/03/11	08:26:00	22/03/11	14:52:00		B3 220/66KV	6.433	EXCLUDE 1.2 Connection asset	WO # V1558A2
		CLEAN UP MTS B3 Trans de-	SPIMAIN	22/03/11	12:40:00	22/03/11	14:51:00		B3 220/66KV	2.183	EXCLUDE 1.2 Connection asset	WO # 10343685
		SCAP to genco	GENCO	25/03/11	06:35:00	31/03/11	23:59:59	YPS -VWPS 4		161.417	EXCLUDE 1.3 Third party outage	WO # V1558A3
		Surge Arrester Replacement	SPICAPX	26/03/11	06:46:00	26/03/11	16:35:00		L3 220/22KV	9.817	EXCLUDE 1.2 Connection asset	WO # 10343999
		Condition Monitoring Metro	SPIMAIN	29/03/11	07:12:00	31/03/11	16:30:00		A1 500/220KV	57.300	EXCLUDE 1.2 Connection asset	WO # X7G358H6
		Surge Arrester Replacement	SPICAPX	30/03/11	06:40:00	30/03/11	17:33:00		R4 220/66/22KV	10.883	EXCLUDE 1.1 Unregulated transmission asset	WO # 10335045
		Surge Arrester Replacement	SPICAPX	31/03/11	06:42:00	31/03/11	16:50:00		R4 220/66/22KV	10.133	EXCLUDE 1.2 Connection asset	WO # X7G358K0

SCAP to genco	Outage requested by GENCO	GENCO	1/04/11	00:00:00	30/04/11	23:59:59	YPS -YWPS 4		720.000	EXCLUDE 1.3 Third party outage	WO # 10344399
WELD B4 TRANSFORMER LID	VA11 - (KTS) WELD B2 & B4	SPIMAIN	2/04/11	07:00:00	18/04/11	16:40:00		B4 220/66KV	393.667	EXCLUDE 1.2 Connection asset	WO # VA1158A1
Trans rebate	Z903 - (CBTS) NEW CBE NO.1 &	DB_AUG	4/04/11	06:48:00	4/04/11	16:10:00		B3 220/66KV	9.367	EXCLUDE 1.1 Unregulated transmission asset	WO # Z90358A3
Remove 22kv Droppers to 22kv	V991 - (WOTS) TRANS #1 & #2	SPICAPX	4/04/11	07:06:00	4/04/11	12:51:00		NO.1 330/66/22KV	5.750	EXCLUDE 1.2 Connection asset	WO # 10344290
Perf calc WO 1B trans during	Z837 - (RCTS) NEW RCTS-MDA	SPICAPX	5/04/11	06:30:00	5/04/11	19:31:00		R1B 220/66/22KV	13.017	EXCLUDE 1.2 Connection asset	WO # Z83758A7
Maintenance of Line &	Outage requested by HVCUST	HVCUST	5/04/11	06:41:00	5/04/11	18:10:00	BETS/SHTS 220KV		11.483	EXCLUDE 1.3 Third party outage	WO # 10343982
WASH DOWN No1 11/220/KV	X834 - TRANSFORMER 220KV	SPIMAIN	9/04/11	07:00:00	10/04/11	19:41:00		NO.1 11/220KV	36.683	EXCLUDE 1.2 Connection asset	WO # X83458A1
WASH DOWN No2 11/220/KV	X834 - TRANSFORMER 220KV	SPIMAIN	9/04/11	07:00:00	9/04/11	18:53:00		NO.2 11/220KV	11.883	EXCLUDE 1.2 Connection asset	WO # X83458A2
inspect faulty wiring on bukoltz		FAULT	12/04/11	10:45:00	12/04/11	16:45:00		B4 220/66KV	6.000	EXCLUDE 1.2 Connection asset	WO # 10345117
Transformer Div. Switch		SPIMAIN	13/04/11	07:00:00	13/04/11	15:34:00		B1 220/66KV	8.567	EXCLUDE 1.2 Connection asset	WO # 10331901
Line Tripped from JLGSA prot	Outage requested by GENCO	REM_TRIP	13/04/11	09:32:00	13/04/11	10:12:00	HWPS NO.2 220KV		0.867	EXCLUDE 1.3 Third party outage	WO # 10345146
O/Haul B3 TRANS AT HTS		SPIMAIN	15/04/11	06:57:00	15/04/11	14:48:00		B3 220/66KV	7.850	EXCLUDE 1.2 Connection asset	WO # 10331906
Replace 22kv Droppers to 22kv	V991 - (WOTS) TRANS #1 & #2	SPICAPX	18/04/11	11:06:00	18/04/11	14:57:00		NO.1 330/66/22KV	3.850	EXCLUDE 1.2 Connection asset	WO # 10344291
Thermo BETS - 2A - 2B Cap		SPIMAIN	21/04/11	08:16:00	21/04/11	09:27:00		NO.2A 66KV	1.183	EXCLUDE 1.1 Unregulated transmission asset	WO # 10342503
SCAP To Gen Co	Outage requested by GENCO	GENCO	29/04/11	20:10:00	30/04/11	23:59:59	A2 GEN TRANS		27.833	EXCLUDE 1.3 Third party outage	WO # 10345543
SCAP to genco	Outage requested by GENCO	GENCO	1/05/11	00:00:00	20/05/11	18:53:00	YPS -YWPS 4		474.883	EXCLUDE 1.3 Third party outage	WO # 10344399
SCAP To Gen Co	Outage requested by GENCO	GENCO	1/05/11	00:00:00	31/05/11	23:59:59	A2 GEN TRANS		744.000	EXCLUDE 1.3 Third party outage	WO # 10345543
Relocate trans radiators & fans	XA30 - (RWTS) ASEA 150 MVA	SPIMAIN	2/05/11	06:51:00	20/05/11	17:23:00		B4 220/66KV	442.533	EXCLUDE 1.2 Connection asset	WO # XA3058A1
CB Failed to close		FORCED	9/05/11	06:50:00	9/05/11	09:18:00		NO.2 220KV	2.467	EXCLUDE 1.1 Unregulated transmission asset	WO # 10345751
Rebate W/O 3A Cap bank		SPIMAIN	10/05/11	07:06:00	10/05/11	16:44:00		NO.3A 66KV	9.633	EXCLUDE 1.1 Unregulated transmission asset	WO # 10345439
Perf calc WO No2 Tr 66kv		SPIMAIN	10/05/11	07:06:00	10/05/11	16:44:00		R2A/2B	9.633	EXCLUDE 1.2 Connection asset	WO # 10345441
Rebate W/O 2A Cap bank		SPIMAIN	12/05/11	06:58:00	12/05/11	16:36:00		NO.2A 66KV	9.633	EXCLUDE 1.1 Unregulated transmission asset	WO # 10345442
Perf calc WO No4 Tr 66kv		SPIMAIN	12/05/11	06:58:00	12/05/11	16:36:00		R4 220/66/22KV	9.633	EXCLUDE 1.2 Connection asset	WO # 10345444
REMOVE SECONDCABLES	VA55 - (SMTS) REMOVE BUFE	SPIMAIN	12/05/11	07:49:00	12/05/11	11:45:00		B1 220/66KV	3.933	EXCLUDE 1.1 Unregulated transmission asset	WO # VA5558A5
VSCAP to PTH	Outage requested by APDALCOA	APDALCOA	12/05/11	08:17:00	12/05/11	14:14:00	GTS -PTH 2		5.950	EXCLUDE 1.3 Third party outage	WO # 10345349
Power Station Requirement	Outage requested by GENCO	GENCO	12/05/11	08:51:00	12/05/11	16:03:00		NO.2 UNIT	7.200	EXCLUDE 1.3 Third party outage	WO # 10345899
REMOVE SECONDCABLES	VA55 - (SMTS) REMOVE BUFE	SPIMAIN	12/05/11	11:50:00	12/05/11	16:44:00		B3 220/66KV	4.900	EXCLUDE 1.1 Unregulated transmission asset	WO # VA5558A6
Rebate W/O 2A Cap bank		SPIMAIN	13/05/11	06:32:00	13/05/11	15:02:00		NO.2A 66KV	8.500	EXCLUDE 1.1 Unregulated transmission asset	WO # 10345442
Perf calc WO No4 Tr 66kv		SPIMAIN	13/05/11	06:32:00	13/05/11	15:02:00		R4 220/66/22KV	8.500	EXCLUDE 1.2 Connection asset	WO # 10345444
Rebate costs		FAULT	13/05/11	11:11:00	13/05/11	11:13:00		L3 220/22KV	0.033	EXCLUDE 1.2 Connection asset	WO # 10346348
Perform Condition Monitoring		SPIMAIN	14/05/11	07:04:00	15/05/11	15:42:00		L4 220/22KV	32.633	EXCLUDE 1.2 Connection asset	WO # 10344894
Overhaul Trans & Div. Switch		SPIMAIN	16/05/11	07:06:00	16/05/11	15:30:00		U1 66/22KV TRANS	8.400	EXCLUDE 1.2 Connection asset	WO # 10331666
Perf calc W/O No4 Tr 22kv	Z915 - (BETS) NEW BET7 22KV	VEN_AUG	17/05/11	06:55:00	17/05/11	16:27:00		R4 220/66/22KV	9.533	EXCLUDE 1.2 Connection asset	WO # Z91558A1
Rebate		SPIMAIN	17/05/11	07:01:00	17/05/11	15:06:00		B1 220/66KV	8.083	EXCLUDE 1.2 Connection asset	WO # 10345205
Rebate		SPIMAIN	18/05/11	07:30:00	18/05/11	15:31:00		B2 220/66KV	8.017	EXCLUDE 1.2 Connection asset	WO # 10345204
O/Haul No 1 Trans & Div Sw at		SPIMAIN	18/05/11	07:56:00	18/05/11	17:23:00		B1 220/66KV	9.450	EXCLUDE 1.2 Connection asset	WO # 10331732
Condition Monitoring Metro		SPIMAIN	19/05/11	07:14:00	20/05/11	15:07:00		B3 220/66KV	31.883	EXCLUDE 1.2 Connection asset	WO # 10335047
O/Haul No 1 Trans & Div Sw at		SPIMAIN	19/05/11	07:52:00	19/05/11	15:37:00		B1 220/66KV	7.750	EXCLUDE 1.2 Connection asset	WO # 10331732
Rebate		SPIMAIN	19/05/11	08:44:00	19/05/11	15:46:00		B3 220/66KV	7.033	EXCLUDE 1.1 Unregulated transmission asset	WO # 10345201
Trans rebate		SPIMAIN	20/05/11	08:19:00	20/05/11	16:00:00		L3 220/22KV	7.683	EXCLUDE 1.2 Connection asset	WO # 10345304
Perf Calc WO B4 Trans during		SPIMAIN	20/05/11	08:27:00	20/05/11	14:08:00		B4 220/66KV	5.683	EXCLUDE 1.2 Connection asset	WO # 10345455
Perf calc WO No2 Trans 66kv		SPIMAIN	24/05/11	08:14:00	25/05/11	17:42:00		NO.2 330/66/22KV	33.467	EXCLUDE 1.2 Connection asset	WO # 10345589
TOP UP LOW 220KV		SPIMAIN	28/05/11	10:04:00	28/05/11	11:54:00		B1 220/66KV	1.833	EXCLUDE 1.2 Connection asset	WO # 10346388
RE-ALIGN 66KV O/HEADS IN	X874 - (BLTS) STATION REBUILD	SPICAPX	30/05/11	06:39:00	30/05/11	12:09:00		B4 220/66KV	5.500	EXCLUDE 1.2 Connection asset	WO # X87458A3
TOP UP 220KV BUSHINGS		SPIMAIN	30/05/11	06:44:00	30/05/11	13:28:00		B1 220/66KV	6.733	EXCLUDE 1.2 Connection asset	WO # 10346412
RELOCATE B1TRANS	XA64 - ASEA 150MVA	SPIMAIN	30/05/11	07:11:00	31/05/11	23:59:59		B1 220/66KV	40.817	EXCLUDE 1.2 Connection asset	WO # XA6458A3
Perf Calc WO No2 Trans during		SPIMAIN	30/05/11	10:07:00	30/05/11	16:32:00		NO.2 330/66/22KV	6.417	EXCLUDE 1.2 Connection asset	WO # 10346434
Perf Calc WO No2 Trans during		SPIMAIN	31/05/11	07:26:00	31/05/11	16:34:00		B2 220/66KV	9.133	EXCLUDE 1.2 Connection asset	WO # 10345799
SCAP To Gen Co	Outage requested by GENCO	GENCO	1/06/11	00:00:00	5/06/11	12:28:00	A2 GEN TRANS		108.467	EXCLUDE 1.3 Third party outage	WO # 10345543
RELOCATE B1TRANS	XA64 - ASEA 150MVA	SPIMAIN	1/06/11	00:00:00	14/06/11	14:29:00		B1 220/66KV	326.483	EXCLUDE 1.2 Connection asset	WO # XA6458A3
re-align the route of the 66kv	X874 - (BLTS) STATION REBUILD	SPIMAIN	1/06/11	06:41:00	1/06/11	16:17:00		B4 220/66KV	9.600	EXCLUDE 1.2 Connection asset	WO # X87458A7
Perf Calc WO No2 Trans during		SPIMAIN	1/06/11	07:11:00	1/06/11	16:59:00		B2 220/66KV	9.800	EXCLUDE 1.2 Connection asset	WO # 10345801
Perf Calc WO No2 Trans during		SPIMAIN	2/06/11	07:03:00	2/06/11	11:06:00		B2 220/66KV	4.050	EXCLUDE 1.2 Connection asset	WO # 10345801
Rebate Trans for Bus outage	X938 - (RTS) 66KV SWITCHYARD	SPICAPX	3/06/11	05:06:00	3/06/11	17:20:00		B1 220/66KV	12.233	EXCLUDE 1.2 Connection asset	WO # X93858B9
Perf Calc WO No2 Trans during		SPIMAIN	3/06/11	06:53:00	3/06/11	17:33:00		B2 220/66KV	10.667	EXCLUDE 1.2 Connection asset	WO # 10345801
BTS-TTS No1 Line off load for	Outage requested by NEMMCO	SW_NEM	5/06/11	04:47:00	5/06/11	18:14:00	EX - BTS NO.1		13.450	EXCLUDE 1.5 Switching to control voltages	WO # 10346605
Power Station Requirement	Outage requested by GENCO	GENCO	6/06/11	16:48:00	10/06/11	12:37:49	A2 GEN TRANS		91.830	EXCLUDE 1.3 Third party outage	WO # 10346606
Perf Calc WO No2 Trans during		SPIMAIN	9/06/11	06:58:00	9/06/11	16:17:00		B2 220/66KV	9.317	EXCLUDE 1.2 Connection asset	WO # 10345984
Perf Calc WO No1 Trans		SPIMAIN	9/06/11	06:51:00	9/06/11	15:35:00		B1 220/66KV	8.733	EXCLUDE 1.2 Connection asset	WO # 10345986
Condition Monitoring Metro		SPIMAIN	9/06/11	07:40:00	10/06/11	17:03:00		B5 220/66KV	33.383	EXCLUDE 1.2 Connection asset	WO # 10335049
Perf Calc WO No1 Trans		SPIMAIN	10/06/11	06:30:00	10/06/11	14:53:00		B1 220/66KV	8.383	EXCLUDE 1.2 Connection asset	WO # 10345986
BETS No4 Trans Group De-		SPIMAIN	10/06/11	13:34:00	10/06/11	14:25:00		R4 220/66/22KV	0.850	EXCLUDE 1.2 Connection asset	WO # 10346945
BETS No2 Trans Group De-		SPIMAIN	10/06/11	14:12:00	10/06/11	14:47:00		R2A/2B	0.583	EXCLUDE 1.2 Connection asset	WO # 10346943
Condition Monitoring Metro		SPIMAIN	14/06/11	07:33:00	15/06/11	17:53:00		B2 220/66KV	34.333	EXCLUDE 1.2 Connection asset	WO # 10335033
REPLACE X & YCONTROL	ZA22 - COST EST - (SMTS)	SPIMAIN	14/06/11	10:00:00	18/06/11	20:30:00		DDTS NO. 1 330KV	106.500	EXCLUDE 1.1 Unregulated transmission asset	WO # ZA2258A0
RELOCATE B2 TRANS	XA64 - ASEA 150MVA	SPIMAIN	14/06/11	14:30:00	24/06/11	13:40:00		B2 220/66KV	239.167	EXCLUDE 1.2 Connection asset	WO # XA6458A4
OVERHAUL OF A		SPIMAIN	17/06/11	07:55:00	17/06/11	08:58:00		B4 220/66KV	1.050	EXCLUDE 1.2 Connection asset	WO # 10332558
REPLACE X & YCONTROL	ZA22 - COST EST - (SMTS)	SPIMAIN	20/06/11	09:10:00	24/06/11	15:41:00		DDTS NO.2 330KV	102.517	EXCLUDE 1.1 Unregulated transmission asset	WO # ZA2258A1
Replace 330kV S/D's on No2	XA04 - REPLACEMENT OF SURGE	SPICAPX	22/06/11	05:56:00	22/06/11	18:26:00		NO.2 330/66/22KV	12.500	EXCLUDE 1.2 Connection asset	WO # XA0458E7
Replace 330kV S/D's on No1	XA04 - REPLACEMENT OF SURGE	SPICAPX	23/06/11	05:58:00	23/06/11	17:25:00		NO.1 330/66/22KV	11.450	EXCLUDE 1.2 Connection asset	WO # XA0458E6
O/Haul NO.2 TRANS AT		SPIMAIN	29/06/11	07:22:00	29/06/11	16:55:00		R2 220/66/22KV	9.550	EXCLUDE 1.2 Connection asset	WO # 10330614
O/Haul NO.2 TRANS AT		SPIMAIN	30/06/11	06:58:00	30/06/11	15:29:00		R2 220/66/22KV	8.517	EXCLUDE 1.2 Connection asset	WO # 10330614
Condition Monitoring Metro		SPIMAIN	30/06/11	07:02:00	30/06/11	23:59:59		B4 220/66KV	16.967	EXCLUDE 1.2 Connection asset	WO # 10335053
Condition Monitoring Metro		SPIMAIN	1/07/11	00:00:00	1/07/11	15:15:00		B4 220/66KV	15.250	EXCLUDE 1.2 Connection asset	WO # 10335053
RELOCATE B3 TRANS	XA64 - ASEA 150MVA	SPIMAIN	5/07/11	07:13:00	19/07/11	15:57:00		B3 220/66KV	344.733	EXCLUDE 1.2 Connection asset	WO # XA6458A5
Cond Mon Testing of No1 Trans		SPIMAIN	5/07/11	08:11:00	7/07/11	14:35:00		R1 220/66/22KV	54.400	EXCLUDE 1.2 Connection asset	WO # 10346338
O/Haul B1 TRANS AT FBTS		SPIMAIN	11/07/11	07:47:00	11/07/11	16:21:00		B1 220/66KV	8.567	EXCLUDE 1.2 Connection asset	WO # 10332553

S1	Total circuit availability	INVESTIGATE HIGH TEV		SPIMAIN	11/07/11	10:29:00	11/07/11	12:24:00		L1 220/22KV	1.917	EXCLUDE 1.2 Connection asset	WO # 10347676	
		OVERHAUL OF A		SPIMAIN	15/07/11	07:42:00	15/07/11	16:48:00		B4 220/66KV	9.100	EXCLUDE 1.2 Connection asset	WO # 10332558	
		remove B1 TX CB install	X785 - (TTS) STATION REBUILD	SPICAPX	15/07/11	10:09:00	19/07/11	09:30:00		B1 220/66KV	95.350	EXCLUDE 1.2 Connection asset	WO # X78558GW	
		Perf calc W/O No1 Trans22kV		SPIMAIN	19/07/11	09:24:00	19/07/11	15:22:00		R1 220/66/22KV	5.967	EXCLUDE 1.2 Connection asset	WO # 10347287	
		Perf calc W/O No2 Trans22kV		SPIMAIN	19/07/11	09:24:00	19/07/11	15:22:00		R2 220/66/22KV	5.967	EXCLUDE 1.2 Connection asset	WO # 10347288	
		CARRY OUT PRE-	X785 - (TTS) STATION REBUILD	SPICAPX	19/07/11	15:29:56	20/07/11	06:55:00		B1 220/66KV	15.418	EXCLUDE 1.2 Connection asset	WO # X78558HC	
		Perf calc W/O B4 Trans during		SPIMAIN	20/07/11	07:22:00	20/07/11	19:04:00		B4 220/66KV	11.700	EXCLUDE 1.2 Connection asset	WO # 10348046	
		OVERHAUL OF A		SPIMAIN	20/07/11	07:34:00	20/07/11	17:08:00		B2 220/66KV	9.567	EXCLUDE 1.2 Connection asset	WO # 10332352	
		Perf calc W/O No1 Trans22kV		SPIMAIN	20/07/11	08:04:00	20/07/11	17:47:00		R1 220/66/22KV	9.717	EXCLUDE 1.2 Connection asset	WO # 10347287	
		Perf calc W/O No2 Trans22kV		SPIMAIN	20/07/11	08:04:00	20/07/11	17:47:00		R2 220/66/22KV	9.717	EXCLUDE 1.2 Connection asset	WO # 10347288	
		INSTALL NEW B1 TRANS 220	X785 - (TTS) STATION REBUILD	SPICAPX	20/07/11	16:55:00	27/07/11	14:52:00		B1 220/66KV	165.950	EXCLUDE 1.2 Connection asset	WO # X78558HD	
		RELOCATE B1 TRANS	XA64 - ASEA 150MVA	SPIMAIN	25/07/11	07:16:00	31/07/11	23:59:59		B1 220/66KV	160.733	EXCLUDE 1.2 Connection asset	WO # XA6458A6	
		TOP UP 220KV BUSHINGS		SPIMAIN	25/07/11	07:30:00	25/07/11	15:39:00		B1 220/66KV	8.150	EXCLUDE 1.2 Connection asset	WO # 10347421	
		RELOCATE B1 TRANS	XA64 - ASEA 150MVA	SPIMAIN	1/08/11	00:00:00	7/08/11	15:08:00		B1 220/66KV	159.133	EXCLUDE 1.2 Connection asset	WO # XA6458A6	
		Condition Monitoring Metro		SPIMAIN	3/08/11	07:46:00	5/08/11	11:28:00		L1 220/22KV	51.700	EXCLUDE 1.2 Connection asset	WO # 10335055	
		Insulator washing at APD	Outage requested by APDALCOA	APDALCOA	3/08/11	08:00:00	3/08/11	08:56:00	HYTS-APD 1			0.933	EXCLUDE 1.3 Third party outage	WO # 10347881
		Insulator washing at APD	Outage requested by APDALCOA	APDALCOA	4/08/11	08:03:00	4/08/11	08:32:00	HYTS-APD 2			0.483	EXCLUDE 1.3 Third party outage	WO # 10347883
		Clean transformer	V8F1 - REPAIR OF OIL LEAKS IN	SPIMAIN	5/08/11	08:19:00	5/08/11	14:23:00		B1 220/66KV	6.067	EXCLUDE 1.2 Connection asset	WO # V8F158C4	
		Perf calc W/O No2 Trans during		SPIMAIN	5/08/11	10:36:00	5/08/11	10:45:00		B2 220/66KV	0.150	EXCLUDE 1.2 Connection asset	WO # 10347794	
		Clean transformer	V8F1 - REPAIR OF OIL LEAKS IN	SPIMAIN	5/08/11	14:25:00	5/08/11	18:20:00		B3 220/66KV	3.917	EXCLUDE 1.2 Connection asset	WO # V8F158C3	
		Repair Oil Leaks	V8F1 - REPAIR OF OIL LEAKS IN	SPIMAIN	8/08/11	07:00:00	9/08/11	12:13:00		B1 220/66KV	29.217	EXCLUDE 1.2 Connection asset	WO # V8F158B7	
		RELOCATE B2 TRANS	XA64 - ASEA 150MVA	SPIMAIN	8/08/11	07:08:00	22/08/11	14:21:00		B2 220/66KV	343.217	EXCLUDE 1.2 Connection asset	WO # XA6458A7	
		Clean transformer	V8F1 - REPAIR OF OIL LEAKS IN	SPIMAIN	8/08/11	07:11:00	9/08/11	15:40:00		B1 220/66KV	32.483	EXCLUDE 1.2 Connection asset	WO # V8F158C5	
		Condition Monitoring Metro		SPIMAIN	8/08/11	07:34:00	10/08/11	16:32:00		L3 220/22KV	56.967	EXCLUDE 1.2 Connection asset	WO # 10335075	
		A3 isolation and earthing	Outage requested by GENCO	GENCO	8/08/11	13:51:00	31/08/11	23:59:59	NO.3 UNIT			562.150	EXCLUDE 1.3 Third party outage	WO # 10348937
		DE-ENERGISE B2 TRANS		SPICAPX	9/08/11	01:01:00	9/08/11	01:21:00		B2 220/66KV	0.333	EXCLUDE 1.2 Connection asset	WO # 10348864	
		Repair Oil Leaks	V8F1 - REPAIR OF OIL LEAKS IN	SPIMAIN	10/08/11	06:52:00	11/08/11	14:08:00		B3 220/66KV	31.267	EXCLUDE 1.2 Connection asset	WO # V8F158B8	
		Clean transformer	V8F1 - REPAIR OF OIL LEAKS IN	SPIMAIN	10/08/11	07:06:00	11/08/11	14:48:00		B2 220/66KV	31.700	EXCLUDE 1.2 Connection asset	WO # V8F158C6	
		Repair Oil Leaks	V8F1 - REPAIR OF OIL LEAKS IN	SPIMAIN	12/08/11	07:05:00	12/08/11	14:05:00		B4 220/66KV	7.000	EXCLUDE 1.2 Connection asset	WO # V8F158B9	
		Out W/O B2 Trans for defect	V8F1 - REPAIR OF OIL LEAKS IN	SPIMAIN	17/08/11	07:05:00	17/08/11	14:50:00		B2 220/66KV	7.750	EXCLUDE 1.2 Connection asset	WO # V8F158B4	
		Out W/O B3 Trans for defect	V8F1 - REPAIR OF OIL LEAKS IN	SPIMAIN	18/08/11	07:12:00	18/08/11	14:38:00		B3 220/66KV	7.433	EXCLUDE 1.2 Connection asset	WO # V8F158B5	
		OVERHAUL OF A		SPIMAIN	18/08/11	07:30:00	18/08/11	15:24:00		B3 220/66KV	7.900	EXCLUDE 1.2 Connection asset	WO # 10332355	
		Perf calc W/O No3 Trans22kV		SPIMAIN	18/08/11	07:55:00	18/08/11	15:11:00		R3 220/66/22KV	7.267	EXCLUDE 1.2 Connection asset	WO # 10347289	
		Perf calc W/O No3 Trans22kV		SPIMAIN	19/08/11	08:11:00	19/08/11	13:18:00		R3 220/66/22KV	5.117	EXCLUDE 1.2 Connection asset	WO # 10347289	
		OVERHAUL OF A		SPIMAIN	22/08/11	07:39:00	22/08/11	16:15:00		B4 220/66KV	8.600	EXCLUDE 1.1 Unregulated transmission asset	WO # 10336159	
		220 / 66kv B4 Transformer		SPIMAIN	23/08/11	07:49:00	23/08/11	15:58:00		B4 220/66KV	8.150	EXCLUDE 1.2 Connection asset	WO # 10332659	
		Replace 22kV S/D's No1 Trans	XA04 - REPLACEMENT OF SURGE	SPICAPX	23/08/11	08:10:00	23/08/11	16:33:00		R1 220/66/22KV	8.383	EXCLUDE 1.2 Connection asset	WO # XA0458E9	
		Perf Calc W/O B3 Trans during		SPIMAIN	24/08/11	07:30:00	24/08/11	14:47:00		B3 220/66KV	7.283	EXCLUDE 1.2 Connection asset	WO # 10348712	
		Replace 22kV S/D's No3 Trans	XA04 - REPLACEMENT OF SURGE	SPICAPX	24/08/11	07:40:00	24/08/11	16:42:00		R3 220/66/22KV	9.033	EXCLUDE 1.2 Connection asset	WO # XA0458F0	
		DISMANTLE AND REMOVE B2	X785 - (TTS) STATION REBUILD	SPICAPX	24/08/11	17:58:00	31/08/11	23:59:59		B2 220/66KV	174.033	EXCLUDE 1.2 Connection asset	WO # X78558KF	
		Power Station requirements	Outage requested by GENCO	GENCO	24/08/11	20:28:00	27/08/11	17:46:00	YPS NO.1 220KV			69.300	EXCLUDE 1.3 Third party outage	WO # 10349733
		instl supports for b5 tran 2b Isol	X785 - (TTS) STATION REBUILD	SPICAPX	25/08/11	06:02:00	25/08/11	11:33:00		B5 220/66KV	5.517	EXCLUDE 1.2 Connection asset	WO # X78558JT	
		Rebate W/O 3A Cap bank		SPIMAIN	25/08/11	07:17:00	25/08/11	14:03:00		NO.3A 66KV	6.767	EXCLUDE 1.1 Unregulated transmission asset	WO # 10345439	
		Perf calc W/O No2 T1 66kv		SPIMAIN	25/08/11	07:17:00	25/08/11	14:03:00		R2A/2B	6.767	EXCLUDE 1.2 Connection asset	WO # 10345441	
		Perf Calc W/O B3 Trans during		SPIMAIN	25/08/11	07:17:00	25/08/11	14:03:00		B3 220/66KV	6.767	EXCLUDE 1.2 Connection asset	WO # 10348712	
		RELOCATE B3 TRANS	XA64 - ASEA 150MVA	SPIMAIN	30/08/11	07:02:00	31/08/11	23:59:59		B3 220/66KV	40.967	EXCLUDE 1.2 Connection asset	WO # XA6458A8	
		A3 isolation and earthing	Outage requested by GENCO	GENCO	1/09/11	00:00:00	2/09/11	10:31:59		NO.3 UNIT		34.533	EXCLUDE 1.3 Third party outage	WO # 10348937
		DISMANTLE AND REMOVE B2	X785 - (TTS) STATION REBUILD	SPICAPX	1/09/11	00:00:00	20/09/11	07:02:00		B2 220/66KV	483.033	EXCLUDE 1.2 Connection asset	WO # X78558KF	
		RELOCATE B3 TRANS	XA64 - ASEA 150MVA	SPIMAIN	1/09/11	00:00:00	10/09/11	14:10:00		B3 220/66KV	230.167	EXCLUDE 1.2 Connection asset	WO # XA6458A8	
		QUIT W/O No2 Trans grp OMU		SPIMAIN	1/09/11	07:39:00	1/09/11	15:37:00		R2A/2B	7.967	EXCLUDE 1.2 Connection asset	WO # 10348934	
		QUIT W/O No2 Trans grp OMU		SPIMAIN	2/09/11	07:42:00	2/09/11	15:16:00		R2A/2B	7.567	EXCLUDE 1.2 Connection asset	WO # 10348934	
		O/Haul No 2 Trans & Div Sw &		SPIMAIN	5/09/11	09:05:00	5/09/11	16:55:00		B2 220/66KV	7.833	EXCLUDE 1.2 Connection asset	WO # 10331735	
		O/Haul No 2 Trans & Div Sw &		SPIMAIN	6/09/11	08:09:00	6/09/11	14:37:00		B2 220/66KV	6.467	EXCLUDE 1.2 Connection asset	WO # 10331735	
		Rebate workorder for No1 cap		SPIMAIN	9/09/11	07:24:00	9/09/11	15:01:00		NO.1 66KV	7.617	EXCLUDE 1.1 Unregulated transmission asset	WO # 10350841	
		EPS trip test	Outage requested by STHYDRO	STHYDRO	9/09/11	10:01:00	9/09/11	12:51:00	EPS-TTS 1 220KV			2.833	EXCLUDE 1.3 Third party outage	WO # 10350367
		Transgrid work	Outage requested by TRANSGRD	TRANSGRD	10/09/11	07:01:00	11/09/11	17:02:32	MSS -DSTS 2			34.026	EXCLUDE 1.3 Third party outage	WO # 10349579
		Perf Calc B1 Transformer at	Z814 - (WETS) NEW STATION	SPICAPX	12/09/11	06:48:00	12/09/11	17:36:00		B1 220/66KV	10.800	EXCLUDE 1.1 Unregulated transmission asset	WO # Z81458C3	
		Perf calc W/O B4 Trans during		SPIMAIN	13/09/11	08:04:00	13/09/11	14:03:00		B4 220/66KV	5.983	EXCLUDE 1.2 Connection asset	WO # 10350301	
		DE-ENERGISE TRANS FOR		SPICAPX	14/09/11	01:12:00	14/09/11	02:07:00		B1 220/66KV	0.917	EXCLUDE 1.2 Connection asset	WO # 10350335	
		Perf Calc W/O B1 Trans during		SPIMAIN	15/09/11	08:26:00	15/09/11	12:18:00		B1 220/66KV	3.867	EXCLUDE 1.2 Connection asset	WO # 10349932	
		MSS 2L Isolation for T/Grid	Outage requested by TRANSGRD	TRANSGRD	18/09/11	11:57:00	18/09/11	15:53:00	MSS NO.2 330KV			3.933	EXCLUDE 1.3 Third party outage	WO # 10350516
		INSTALL LIGHT POLE KTS	X706 - (KTS) REBUILD 220/66KV	SPICAPX	20/09/11	05:56:00	20/09/11	11:22:00		B5 220/66KV	5.433	EXCLUDE 1.1 Unregulated transmission asset	WO # X70658KH	
		carry out precomm test of B2	X785 - (TTS) STATION REBUILD	SPICAPX	22/09/11	08:00:00	22/09/11	12:18:00		B2 220/66KV	4.300	EXCLUDE 1.2 Connection asset	WO # X78558MD	
		Outage for Transgrid	Outage requested by TRANSGRD	TRANSGRD	24/09/11	07:31:00	25/09/11	12:37:00	MSS NO.1 330KV			29.100	EXCLUDE 1.3 Third party outage	WO # 10350780
		Perf calc W/O B4 Trans during		SPIMAIN	26/09/11	11:45:00	26/09/11	14:36:00		B4 220/66KV	2.850	EXCLUDE 1.2 Connection asset	WO # 10350309	
		Rebate W/O A2 Trans durin		SPIMAIN	27/09/11	08:03:00	27/09/11	15:49:00		A2 500/220KV	7.767	EXCLUDE 1.1 Unregulated transmission asset	WO # 10350376	
		Rebate W/O A2 Trans durin		SPIMAIN	28/09/11	08:01:00	28/09/11	15:04:00		A2 500/220KV	7.050	EXCLUDE 1.1 Unregulated transmission asset	WO # 10350376	
		SCAP A3	Outage requested by GENCO	GENCO	28/09/11	10:34:00	30/09/11	13:54:00		NO.3 UNIT		51.333	EXCLUDE 1.3 Third party outage	WO # 10350996
		APD requirement	Outage requested by APDALCOA	APDALCOA	28/09/11	16:12:00	30/09/11	12:04:00	APD NO.1 500KV			43.867	EXCLUDE 1.3 Third party outage	WO # 10351017
		ACCURACY TESTING AEMO		SPIMAIN	29/09/11	07:52:00	29/09/11	14:52:00		B2 220/66KV	7.000	EXCLUDE 1.1 Unregulated transmission asset	WO # 10348012	
		ACCURACY TESTING AEMO		SPIMAIN	30/09/11	07:52:00	30/09/11	12:12:00		B4 220/66KV	4.333	EXCLUDE 1.2 Connection asset	WO # 10348021	
		discon and remove B5 trans	X785 - (TTS) STATION REBUILD	SPICAPX	3/10/11	06:07:00	3/10/11	17:42:00		B5 220/66KV	11.583	EXCLUDE 1.2 Connection asset	WO # X78558MW	
		Condition Monitoring Metro		SPIMAIN	3/10/11	07:41:00	5/10/11	15:18:00		L2 220/22KV	55.617	EXCLUDE 1.2 Connection asset	WO # 10335073	
		APD work	Outage requested by APDALCOA	APDALCOA	3/10/11	08:03:00	5/10/11	11:03:00	HYTS-APD 2			51.000	EXCLUDE 1.3 Third party outage	WO # 10351068
		VSCAP to Powercor	Outage requested by DISTCO	DBPROX	10/10/11	07:40:00	10/10/11	14:25:00				6.750	EXCLUDE 1.3 Third party outage	WO # 10357142
		Condition Monitoring Metro		SPIMAIN	11/10/11	07:10:00	12/10/11	16:21:00		B2 220/66KV	33.183	EXCLUDE 1.2 Connection asset	WO # 10350309	
		Trans & Div. Switch Overhaul		SPIMAIN	11/10/11	07:22:00	11/10/11	15:21:00		B1 220/66KV	7.983	EXCLUDE 1.2 Connection asset	WO # 10331761	

Trans & Div Switch Overhaul		SPIMAIN	12/10/11	07:01:00	12/10/11	15:11:00	B4 220/66KV	8.167	EXCLUDE 1.2 Connection asset	WO # 10334284
1A & 1B transformer OLTC		SPIMAIN	12/10/11	08:14:00	31/10/11	23:59:59	R1 220/66/22KV	471.767	EXCLUDE 1.2 Connection asset	WO # 10357080
Trans & Div Switch Overhaul		SPIMAIN	13/10/11	07:04:00	13/10/11	15:15:00	B3 220/66KV	8.183	EXCLUDE 1.2 Connection asset	WO # 10331767
2A & 2B transformer OLTC		SPIMAIN	13/10/11	07:41:00	13/10/11	09:33:00	R2 220/66/22KV	1.867	EXCLUDE 1.2 Connection asset	WO # 10357081
Trans & Div Switch Overhaul		SPIMAIN	14/10/11	07:01:00	14/10/11	14:21:00	B2 220/66KV	7.333	EXCLUDE 1.2 Connection asset	WO # 10331764
INSTALL LIGHTING ON B5	X706 - (KTS) REBUILD 220/66KV	SPICAPX	17/10/11	06:38:00	17/10/11	08:29:00	B5 220/66KV	1.850	EXCLUDE 1.1 Unregulated transmission asset	WO # X70658JK
Overhaul Trans & Diverter		SPIMAIN	18/10/11	07:06:00	18/10/11	15:46:00	B1 220/66KV	8.667	EXCLUDE 1.2 Connection asset	WO # 10331689
CALIBRATION AND No.1 220kV Bus Fault -		FAULT	25/10/11	10:48:00	25/10/11	10:54:00	NO.1 220KV	6.700	EXCLUDE 1.1 Unregulated transmission asset	WO # 10336965
DDTS No1 220kV Bus Tripped-		FAULT	25/10/11	16:02:00	25/10/11	16:08:00	NO.1 220KV	6.700	EXCLUDE 1.1 Unregulated transmission asset	WO # 10358159
CALIBRATION AND		SPIMAIN	26/10/11	08:37:00	26/10/11	13:47:00	NO.1 220KV	5.167	EXCLUDE 1.1 Unregulated transmission asset	WO # 10336965
Perf calc W/O B3 Trans during		SPIMAIN	27/10/11	08:24:00	27/10/11	16:48:00	B3 220/66KV	8.400	EXCLUDE 1.2 Connection asset	WO # 10346252
Rebate Tran for outage		SPIMAIN	28/10/11	07:08:00	28/10/11	15:20:00	B2 220/66KV	8.200	EXCLUDE 1.2 Connection asset	WO # 10325485
1A & 1B transformer OLTC		SPIMAIN	1/11/11	00:00:00	30/11/11	23:59:59	R1 220/66/22KV	720.000	EXCLUDE 1.2 Connection asset	WO # 10357080
VSCAP to Jemena	Outage requested by DISTCO	DBPROX	3/11/11	06:48:00	3/11/11	15:39:00		8.850	EXCLUDE 1.3 Third party outage	WO # 10357614
TOP UP BUSHINGS		SPIMAIN	3/11/11	09:54:00	3/11/11	13:54:00	B2 220/66KV	4.000	EXCLUDE 1.2 Connection asset	WO # 10347423
VSCAP TO POWERCOR	Outage requested by DISTCO	DBPROX	4/11/11	07:37:00	4/11/11	15:33:00		7.933	EXCLUDE 1.3 Third party outage	WO # 10357696
Overhaul Trans & Diverter		SPIMAIN	6/11/11	06:31:00	6/11/11	15:10:00	L1 220/22KV	8.650	EXCLUDE 1.2 Connection asset	WO # 10331691
Overhaul No1 Trans at MPS		SPIMAIN	6/11/11	06:52:00	16/11/11	17:46:00	NO.1 11/220KV	250.900	EXCLUDE 1.2 Connection asset	WO # 10292780
WHITE PHASE 11/220KV TX	X834 - TRANSFORMER 220KV	SPIMAIN	6/11/11	06:52:00	16/11/11	17:46:00	NO.1 11/220KV	250.900	EXCLUDE 1.2 Connection asset	WO # X83458A3
Rebate W/O No1 220kV Cap bk	XA03 - (DDTS) 220KV	SPICAPX	7/11/11	11:01:00	13/11/11	13:52:00	NO.1 220KV	146.850	EXCLUDE 1.1 Unregulated transmission asset	WO # XA0358B4
Overhaul Trans & Div. Switch		SPIMAIN	8/11/11	07:07:00	8/11/11	16:24:00	B1 220/66KV	9.283	EXCLUDE 1.2 Connection asset	WO # 10332456
Decommission No.1 22kV Cap	X7F0 - (RWTS) REBUILD 220 &	SPICAPX	8/11/11	11:30:00	8/11/11	17:22:00	NO.1 22KV	5.867	EXCLUDE 1.2 Connection asset	WO # X7F058A2
INSTALL LIGHTING ON B5	X706 - (KTS) REBUILD 220/66KV	SPICAPX	9/11/11	05:08:00	9/11/11	15:44:00	B5 220/66KV	10.600	EXCLUDE 1.1 Unregulated transmission asset	WO # X70658JK
Overhaul Trans & Div. Switch		SPIMAIN	9/11/11	06:45:00	9/11/11	16:06:00	B3 220/66KV	9.350	EXCLUDE 1.2 Connection asset	WO # 10336406
NEW HARP STRINGS &	X785 - (TTS) STATION REBUILD	SPICAPX	9/11/11	19:10:00	23/11/11	13:34:39	B5 220/66KV	330.411	EXCLUDE 1.2 Connection asset	WO # X78558NX
INSTALL LIGHTING ON B3	X706 - (KTS) REBUILD 220/66KV	SPICAPX	10/11/11	06:32:00	10/11/11	14:44:00	B3 220/66KV	8.200	EXCLUDE 1.2 Connection asset	WO # X70658LK
Overhaul Trans & Div. Switch		SPIMAIN	10/11/11	07:00:00	10/11/11	16:55:00	U1 66/22KV TRANS	9.917	EXCLUDE 1.2 Connection asset	WO # 10336400
OVERHAUL OF A		SPIMAIN	10/11/11	07:09:00	12/11/11	00:42:00	B2 220/66KV	41.550	EXCLUDE 1.2 Connection asset	WO # 10332401
INSTALL LIGHTING ON B4	X706 - (KTS) REBUILD 220/66KV	SPICAPX	11/11/11	05:07:00	11/11/11	14:30:00	B4 220/66KV	9.383	EXCLUDE 1.2 Connection asset	WO # X70658KM
Overhaul Trans & Div. Switch		SPIMAIN	11/11/11	06:53:00	11/11/11	14:50:00	U2 66/22KV TRANS	7.950	EXCLUDE 1.2 Connection asset	WO # 10336403
LYPS B TTHL Testing	Outage requested by GENCO	GENCO	12/11/11	11:31:00	12/11/11	16:19:00		4.800	EXCLUDE 1.3 Third party outage	WO # 10357578
Replace guttering & oil leaks	VB14 - CENTRAL (EAST) POOR	SPIMAIN	14/11/11	07:02:00	14/11/11	15:02:00	B2 220/66KV	8.000	EXCLUDE 1.2 Connection asset	WO # VB1458A0
O/HAUL Transfrm with Trafo		SPIMAIN	15/11/11	07:30:00	15/11/11	16:01:00	R4 220/66/22KV	8.517	EXCLUDE 1.2 Connection asset	WO # 10330763
perf calc W/O No4 Trans MV		SPIMAIN	17/11/11	07:54:00	17/11/11	14:46:00	R4 220/66/22KV	6.867	EXCLUDE 1.2 Connection asset	WO # 10357927
No 2 11/220kv Trans		FAULT	18/11/11	05:15:00	18/11/11	11:29:00	NO.2 11/220KV	6.233	EXCLUDE 1.2 Connection asset	WO # 10358435
INSTR STAY WIRES TO B5	XA15 - (KTS) 220/66KV	SPICAPX	18/11/11	05:57:00	18/11/11	14:25:00	B5 220/66KV	8.467	EXCLUDE 1.1 Unregulated transmission asset	WO # XA1558A1
TOP UP LOW 220KV		SPIMAIN	19/11/11	06:34:00	19/11/11	17:47:00	B1 220/66KV	11.217	EXCLUDE 1.2 Connection asset	WO # 10357330
REPLACE R PHASE CAP		SPIMAIN	20/11/11	06:37:00	20/11/11	15:48:00	DDTS NO.1 330KV	9.183	EXCLUDE 1.1 Unregulated transmission asset	WO # 10358304
CONSTRUCT BUS SUPPORT	XA15 - (KTS) 220/66KV	SPICAPX	21/11/11	06:02:00	21/11/11	17:39:00	B5 220/66KV	11.617	EXCLUDE 1.1 Unregulated transmission asset	WO # XA1558A2
VSCAP to APD	Outage requested by APDALCOA	APDALCOA	21/11/11	07:30:00	24/11/11	15:40:00	HYTS-APD 2	80.167	EXCLUDE 1.3 Third party outage	WO # 10357620
CONSTRUCT BUS SUPPORT	XA15 - (KTS) 220/66KV	SPICAPX	22/11/11	06:00:00	22/11/11	17:06:00	B5 220/66KV	11.100	EXCLUDE 1.1 Unregulated transmission asset	WO # XA1558A2
TOP UP 220KV BUSHING		SPIMAIN	22/11/11	08:16:00	22/11/11	11:59:00	B1 220/66KV	3.717	EXCLUDE 1.2 Connection asset	WO # 10357685
CONSTRUCT BUS SUPPORT	XA15 - (KTS) 220/66KV	SPICAPX	23/11/11	06:00:00	23/11/11	16:33:00	B5 220/66KV	10.550	EXCLUDE 1.1 Unregulated transmission asset	WO # XA1558A2
Overhaul Trans, Div Sw & Mech		SPIMAIN	23/11/11	07:05:00	23/11/11	15:04:00	B2 220/66KV	7.983	EXCLUDE 1.2 Connection asset	WO # 10331694
CONSTRUCT BUS SUPPORT	XA15 - (KTS) 220/66KV	SPICAPX	24/11/11	06:00:00	24/11/11	16:55:00	B5 220/66KV	10.917	EXCLUDE 1.1 Unregulated transmission asset	WO # XA1558A2
CONSTRUCT BUS SUPPORT	XA15 - (KTS) 220/66KV	SPICAPX	25/11/11	06:05:00	25/11/11	16:42:00	B5 220/66KV	10.617	EXCLUDE 1.1 Unregulated transmission asset	WO # XA1558A2
Rebate W/O No1 Cap Bk During	XA03 - (DDTS) 220KV	SPICAPX	26/11/11	07:02:00	26/11/11	12:32:00	NO.1 220KV	5.500	EXCLUDE 1.1 Unregulated transmission asset	WO # XA0358C8
CONSTRUCT BUS SUPPORT	XA15 - (KTS) 220/66KV	SPICAPX	28/11/11	05:59:00	28/11/11	16:10:00	B5 220/66KV	10.183	EXCLUDE 1.1 Unregulated transmission asset	WO # XA1558A2
CONSTRUCT BUS SUPPORT	XA15 - (KTS) 220/66KV	SPICAPX	29/11/11	06:55:00	29/11/11	16:33:00	B5 220/66KV	10.633	EXCLUDE 1.1 Unregulated transmission asset	WO # XA1558A2
de-en for insul wash at APD	Outage requested by APDALCOA	APDALCOA	29/11/11	08:00:00	29/11/11	10:11:00	HYTS-APD 1	2.183	EXCLUDE 1.3 Third party outage	WO # 10357622
Trans rebate	Z903 - (CBTS) NEW CBE NO.1 &	DB_AUG	30/11/11	07:02:00	30/11/11	16:42:00	B2 220/66KV	9.667	EXCLUDE 1.2 Connection asset	WO # 10358576
de-en for insul wash at APD	Outage requested by APDALCOA	APDALCOA	30/11/11	06:07:00	30/11/11	06:50:00	HYTS-APD 2	0.717	EXCLUDE 1.3 Third party outage	WO # 10358713
Remove old stands at back of		SPICAPX	30/11/11	13:34:00	30/11/11	15:54:00	B2 220/66KV	2.333	EXCLUDE 1.2 Connection asset	WO # XA6458A9
1A & 1B transformer OLTC	XA64 - ASEA 150MVA	SPIMAIN	1/12/11	00:00:00	31/12/11	23:59:59	R1 220/66/22KV	744.000	EXCLUDE 1.2 Connection asset	WO # 10357080
B3 trans trip via prot		FAULT	1/12/11	01:30:00	4/12/11	20:07:00	B3 220/66KV	90.617	EXCLUDE 1.2 Connection asset	WO # 10358837
INVESTIGTE & REPAIRS	X785 - (TTS) STATION REBUILD	SPICAPX	2/12/11	06:50:00	2/12/11	13:30:00	B1 220/66KV	6.667	EXCLUDE 1.2 Connection asset	WO # X78558QZ
DISCON & RMVE DROPPERS	ZA08 - (KTS) B5 TRANSFORMER	DB_AUG	3/12/11	04:03:00	7/12/11	15:56:00	B5 220/66KV	107.883	EXCLUDE 1.1 Unregulated transmission asset	WO # ZA0858A4
Trans rebate	Z903 - (CBTS) NEW CBE NO.1 &	DB_AUG	3/12/11	06:36:00	3/12/11	19:11:00	B2 220/66KV	12.583	EXCLUDE 1.2 Connection asset	WO # 10358574
De-energised for Transgrid	Outage requested by TRANSGRD	TRANSGRD	3/12/11	07:04:00	3/12/11	09:46:00	MSS-DDTS 2	2.700	EXCLUDE 1.3 Third party outage	WO # 10358356
RELOCATE B4 TRANS	XA64 - ASEA 150MVA	SPIMAIN	6/12/11	06:33:00	16/12/11	15:56:00	B4 220/66KV	249.383	EXCLUDE 1.2 Connection asset	WO # XA6458A2
perf calc W/O B2 Trans during		SPIMAIN	6/12/11	11:11:00	6/12/11	16:07:00	B2 220/66KV	4.933	EXCLUDE 1.2 Connection asset	WO # 10346250
Trans rebate	Z903 - (CBTS) NEW CBE NO.1 &	DB_AUG	6/12/11	13:15:00	31/12/11	23:59:59	B2 220/66KV	610.750	EXCLUDE 1.2 Connection asset	WO # 10358913
perf calc W/O B2 Trans during		SPIMAIN	7/12/11	07:25:00	7/12/11	16:50:00	B2 220/66KV	9.417	EXCLUDE 1.2 Connection asset	WO # 10346250
Trans rebate	Z903 - (CBTS) NEW CBE NO.1 &	DB_AUG	9/12/11	06:06:00	9/12/11	13:56:00	B2 220/66KV	7.833	EXCLUDE 1.2 Connection asset	WO # 10358576
Trans rebate	Z903 - (CBTS) NEW CBE NO.1 &	DB_AUG	9/12/11	13:53:00	31/12/11	23:59:59	B2 220/66KV	538.117	EXCLUDE 1.2 Connection asset	WO # 10358924
Carry out defect rectification	VB04 - WARRANTY REPAIRS ON	SPICAPX	13/12/11	07:03:00	13/12/11	13:36:00	B4 220/66KV	6.550	EXCLUDE 1.2 Connection asset	WO # VB0458A0
Carry out CORROSION	VB04 - WARRANTY REPAIRS ON	SPICAPX	14/12/11	07:10:00	14/12/11	15:12:00	B1 220/66KV	8.033	EXCLUDE 1.1 Unregulated transmission asset	WO # VB0458A1
Testing for AGL Hydro	Outage requested by STHHYDRO	STHHYDRO	14/12/11	12:49:00	14/12/11	13:05:00	EPS-TTS 1 220KV	0.267	EXCLUDE 1.3 Third party outage	WO # 10359180
Terminate Cables and make B3	Z904 - (ERTS) 4TH	SPICAPX	15/12/11	06:46:00	16/12/11	15:29:00	B3 220/66KV	32.717	EXCLUDE 1.2 Connection asset	WO # Z90458L3
InvesT DC Earths & oil leak		SPIMAIN	18/12/11	06:30:00	18/12/11	12:43:00	L3 220/22KV	6.217	EXCLUDE 1.2 Connection asset	WO # 10359005
Check Oil Leaks ON TRANS &	VB81 - REPAIR OF OIL LEAKS IN	SPIMAIN	18/12/11	12:43:00	18/12/11	12:43:00	L3 220/22KV	0.000	EXCLUDE 1.2 Connection asset	WO # VB8158C8
Rebate W/O No1 220kV Cap bk	XA03 - (DDTS) 220KV	SPICAPX	19/12/11	05:03:00	19/12/11	11:00:00	NO.1 220KV	5.950	EXCLUDE 1.1 Unregulated transmission asset	WO # 10358298
Investigate and repair faulty oil		SPIMAIN	20/12/11	07:02:00	20/12/11	14:22:00	B3 220/66KV	7.333	EXCLUDE 1.2 Connection asset	WO # 10359134
TOP UP BUSHINGS		SPIMAIN	20/12/11	09:56:00	20/12/11	12:19:00	B1 220/66KV	2.383	EXCLUDE 1.2 Connection asset	WO # 10359261
top up 220kv bushing		SPIMAIN	21/12/11	07:08:00	21/12/11	11:16:47	B1 220/66KV	4.146	EXCLUDE 1.2 Connection asset	WO # 10359341
B1 Trans Voltage Regulator		SPIMAIN	21/12/11	08:20:00	21/12/11	15:09:00	B1 220/66KV	6.817	EXCLUDE 1.2 Connection asset	WO # 10359184

		Repair oil leaks B1 220/66KV		SPIMAIN	21/12/11	09:36:00	21/12/11	15:27:00		B1 220/66KV	5.850	EXCLUDE 1.2 Connection asset	WO # 10359174
		Repair oil leaks B1 220/66KV		SPIMAIN	22/12/11	08:00:00	22/12/11	15:30:00		B1 220/66KV	7.500	EXCLUDE 1.2 Connection asset	WO # 10359174
S2	Peak critical availability	MLTS Reactor Switching	Outage requested by VENCORP	SW_NEM	1/02/11	20:00:00	1/02/11	20:10:00	MLTS-HYTS 1 500KV W		0.167	EXCLUDE 2.5 Switching to control voltages	WO # 10342419
		Line Reactor swithing directed by AEMO	Outage requested by NEMMCO	SW_NEM	8/03/11	11:01:00	8/03/11	11:15:00	MLTS-HYTS 1 500KV W		0.233	EXCLUDE 2.5 Switching to control voltages	WO # 10344001
		Line Reactor switching for AEMO	Outage requested by NEMMCO	SW_NEM	8/03/11	16:03:00	8/03/11	16:14:00	EX - MLTS-HYTS 2 500KV W		0.183	EXCLUDE 2.5 Switching to control voltages	WO # 10344002
		VSCAP to APD	Outage requested by APDALCOA	APDALCOA	21/11/11	07:30:00	24/11/11	15:40:00	HYTS-APD 2 500KV W		37.667	EXCLUDE 2.3 Third party outage	WO # 10357620
		Testing for AGL Hydro	Outage requested by STHHYDRO	STHHYDRO	14/12/11	12:49:00	14/12/11	13:05:00	EPS -TTS 1 220KV N		0.267	EXCLUDE 2.3 Third party outage	WO # 10359180
S3	Peak non-critical availability	Rebate W/O MOPS 2 Line react	X7E4 - (MLTS.HYTS.APD.TGTS)	SPICAPX	1/02/11	06:03:00	1/02/11	17:27:00	MOPS NO 2 500KV	6.450		EXCLUDE 3.7 Shunt reactor	WO # X7E458AG
		Rebate W/O MOPS 2 Line react	X7E4 - (MLTS.HYTS.APD.TGTS)	SPICAPX	2/02/11	06:00:00	2/02/11	18:53:00	MOPS NO 2 500KV	7.883		EXCLUDE 3.7 Shunt reactor	WO # X7E458AG
		Rebate W/O MOPS 2 Line react	X7E4 - (MLTS.HYTS.APD.TGTS)	SPICAPX	3/02/11	06:00:00	3/02/11	18:04:00	MOPS NO 2 500KV	7.067		EXCLUDE 3.7 Shunt reactor	WO # X7E458AG
		Rebate WO for No2 reactor	X7G3 - REPLACE SURGE	SPICAPX	21/02/11	06:53:00	22/02/11	16:01:00	NO 2 66KV	16.017		EXCLUDE 3.7 Shunt reactor	WO # X7G358L5
		OVERHAUL OF A SHUNT REACTOR		SPIMAIN	1/03/11	07:30:00	2/03/11	11:49:00	HYTS NO.1 500KV LINE SHUNT REACTOR AT MLTS	11.817		EXCLUDE 3.7 Shunt reactor	WO # 10306318
		Rebate W/O No1 66kV Sh React during bus outage	Z837 - (RCTS) NEW RCTS-MDA NO.1 FEEDER EXIT	SPICAPX	8/03/11	07:00:00	8/03/11	14:53:00	NO.1 66KV REACTOR AT RCTS	3.883		EXCLUDE 3.7 Shunt reactor	WO # Z83758A1
		Rebate Work for CB outage		SPIMAIN	18/03/11	14:50:00	18/03/11	15:40:00	220KV SHUNT REACTOR AT MLTS	0.833		EXCLUDE 3.7 Shunt reactor	WO # 10344503
		Rebate W/O No1 Reactor during 66kV bus outage		SPIMAIN	6/12/11	11:11:00	6/12/11	16:07:00	NO.1 66KV REACTOR AT HOTS	4.933		EXCLUDE 3.7 Shunt reactor	WO # 10346249
Rebate W/O No1 Reactor during 66kV bus outage		SPIMAIN	7/12/11	07:25:00	7/12/11	16:50:00	NO.1 66KV REACTOR AT HOTS	5.833		EXCLUDE 3.7 Shunt reactor	WO # 10346249		
S4	Intermediate critical availability	Insulator washing at APD	Outage requested by APDALCOA	APDALCOA	3/08/11	08:00:00	3/08/11	08:56:00	HYTS-APD 1 500KV W	0.933		EXCLUDE 4.3 Third party outage	WO # 10347881
		Insulator washing at APD	Outage requested by APDALCOA	APDALCOA	4/08/11	08:03:00	4/08/11	08:32:00	HYTS-APD 2 500KV W	0.483		EXCLUDE 4.3 Third party outage	WO # 10347883
S5	Intermediate non-critical availability	O/Haul - 66kV reactor		SPIMAIN	27/06/11	08:38:00	27/06/11	15:50:00	66KV SHUNT REACTOR AT KGTS	7.200		EXCLUDE 5.7 Shunt reactor	WO # 10334727
		Rebate W/O No3 reactor during No2 66kv Bus outage	Z837 - (RCTS) NEW RCTS-MDA NO.1 FEEDER EXIT	SPICAPX	28/06/11	07:02:00	28/06/11	08:15:00	NO.3 66KV REACTOR AT RCTS	1.217		EXCLUDE 5.7 Shunt reactor	WO # Z83758B5
		Rebate W/O No2 reactor during No2 66kv Bus outage	Z837 - (RCTS) NEW RCTS-MDA NO.1 FEEDER EXIT	SPICAPX	28/06/11	07:02:00	28/06/11	08:15:00	NO.2 66KV REACTOR AT RCTS	1.217		EXCLUDE 5.7 Shunt reactor	WO # Z83758B6
		Rebate WO 220kV Shunt React during CB outage		SPIMAIN	7/07/11	13:10:00	7/07/11	14:02:00	220KV SHUNT REACTOR AT MLTS	0.867		EXCLUDE 5.7 Shunt reactor	WO # 10347627

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 reasons for excluding this event. Should include a reference to the defined exclusions and explain how it meets this exclusion definition (see	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
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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	A TNSP may provide further details of an exclusion event. TNSP to provide reference.	
S8	Average outage duration- lines (minutes)													
S9	Average outage duration- transformers (minutes)	Trans Trip		FAULT	22/02/11	11:46:00	22/02/11	15:57:00	B3 220/66KV TRANS AT CBTS	4.183		EXCLUDE 9.1 Unregulated transmission asset	WO # 10343502, SIR # 10343503	

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%	0.002277	0.002392
	=	0.625000	x	Availability	+	-0.617062	98.73%	≤	Availability	≤	99.05%	0.002277	0.002392
	=	0.002000					99.05%	<	Availability			0.002000	0.002000

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Total circuit availability	=	99.094320%	99.112716%
S-Factor	=	0.200000%	0.200000%

NOTE:

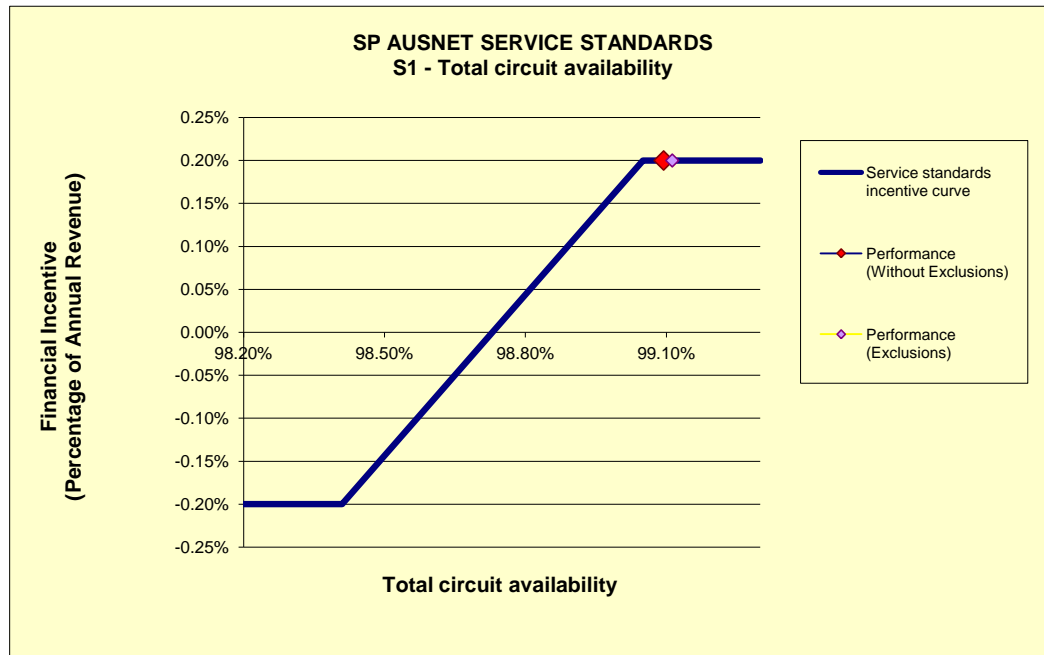
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SP AusNet - S2 - Peak critical availability

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%	0.000990	0.001067
	=	0.512821	x	Availability	+	-0.509692	99.39%	≤	Availability	≤	99.78%	0.001955	0.002107
	=	0.002000					99.78%	<	Availability			0.002000	0.002000

Performance Outcomes		Performance (Without Exclusions)	Performance (Exclusions)
Peak critical availability	=	99.771134%	99.800947%
S-Factor	=	0.195453%	0.200000%

NOTE:

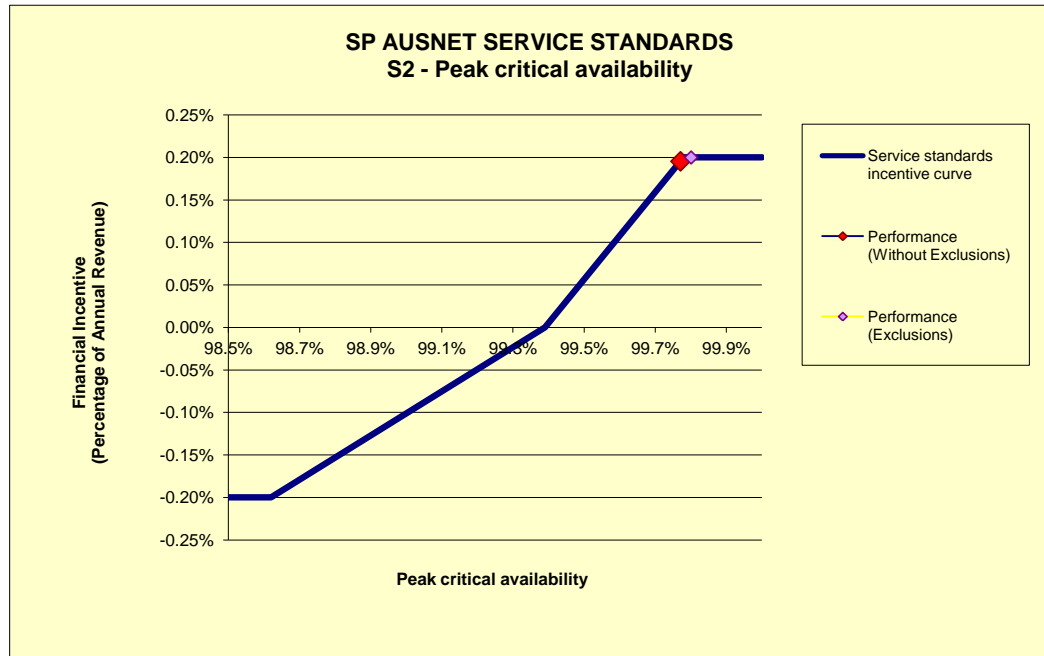
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SP AusNet - S3 - Peak non-critical availability

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%	0.000323	0.000425
	=	0.172414	x	Availability	+	-0.171379	99.40%	≤	Availability	≤	99.69%	0.000636	0.000836
	=	0.000500					99.69%	<	Availability			0.000500	0.000500

Performance Outcomes	Performance (Without Exclusions)	Performance (Exclusions)
Peak non-critical availability	= 99.768665%	99.884990%
S-Factor	= 0.050000%	0.050000%

NOTE:

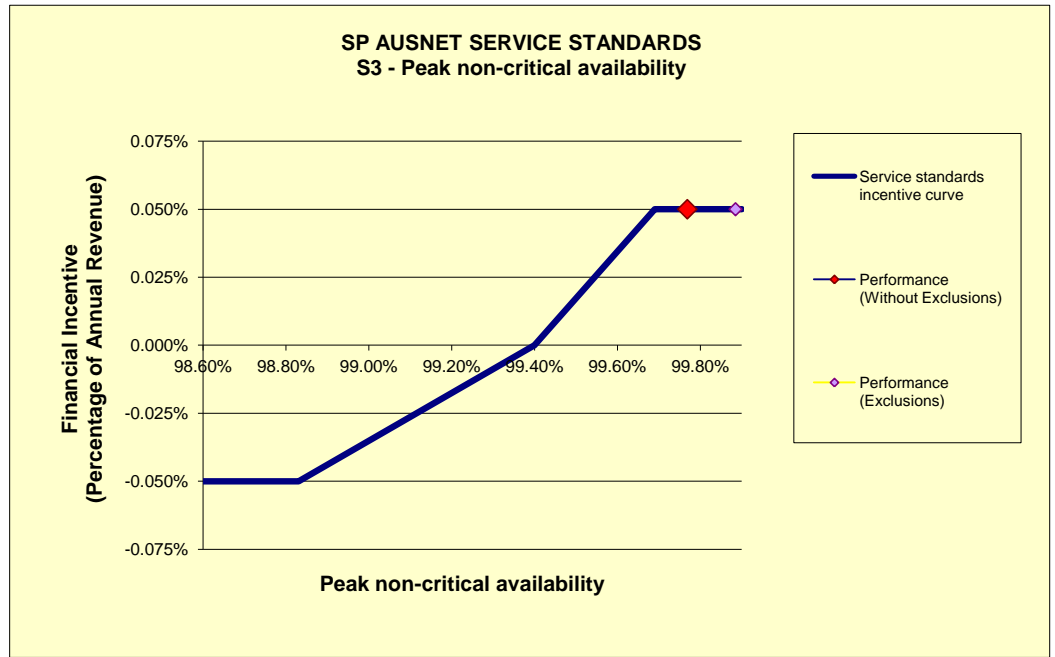
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SP AusNet - S4 - Intermediate critical availability

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	97.29% ≤ Availability ≤ 98.67%	0.000112	0.000112
	=	0.036232	x	Availability	98.67% ≤ Availability ≤ 99.36%	0.000223	0.000224
	=	0.000250			99.36% < Availability	0.000250	0.000250

Performance Outcomes	Performance (Without Exclusions)	Performance (Exclusions)
Intermediate critical availability	= 99.286024%	99.287026%
S-Factor	= 0.022320%	0.022356%

NOTE:

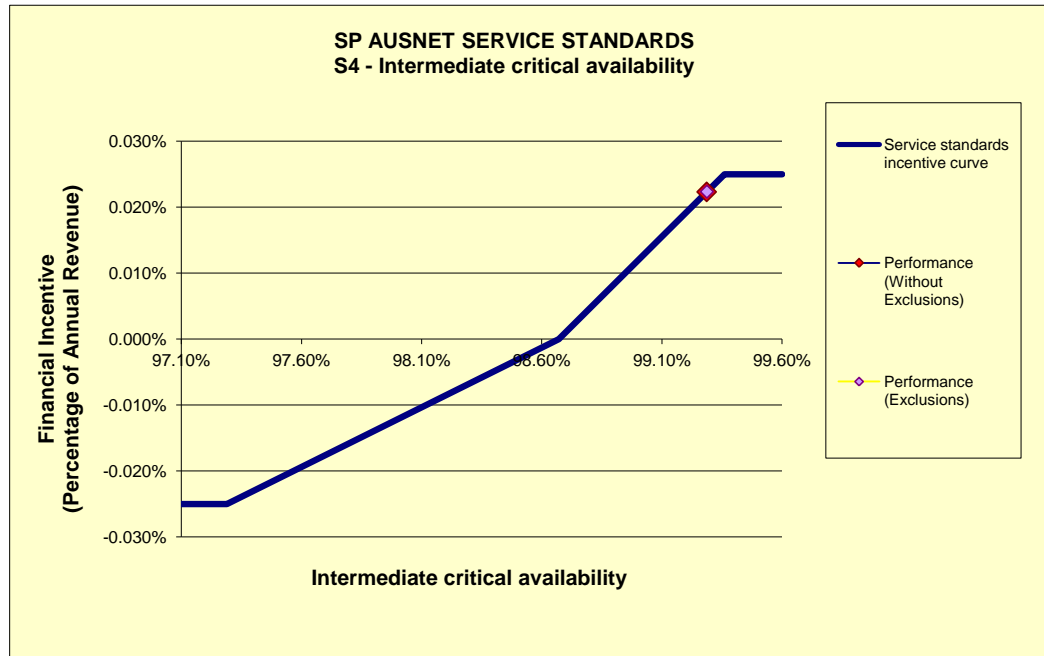
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SP AusNet - S5 - Intermediate non-critical availability

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	-0.000250			
	=	0.021552	x	Availability	+	-0.021278	97.57%	≤	Availability	≤	98.73%	0.000075	0.000078
	=	0.043103	x	Availability	+	-0.042556	98.73%	≤	Availability	≤	99.31%	0.000149	0.000157
	=	0.000250					99.31%	<	Availability			0.000250	0.000250

Performance Outcomes	Performance (Without Exclusions)	Performance (Exclusions)
Intermediate non-critical availability	= 99.076749%	99.093576%
S-Factor	= 0.014946%	0.015671%

NOTE:

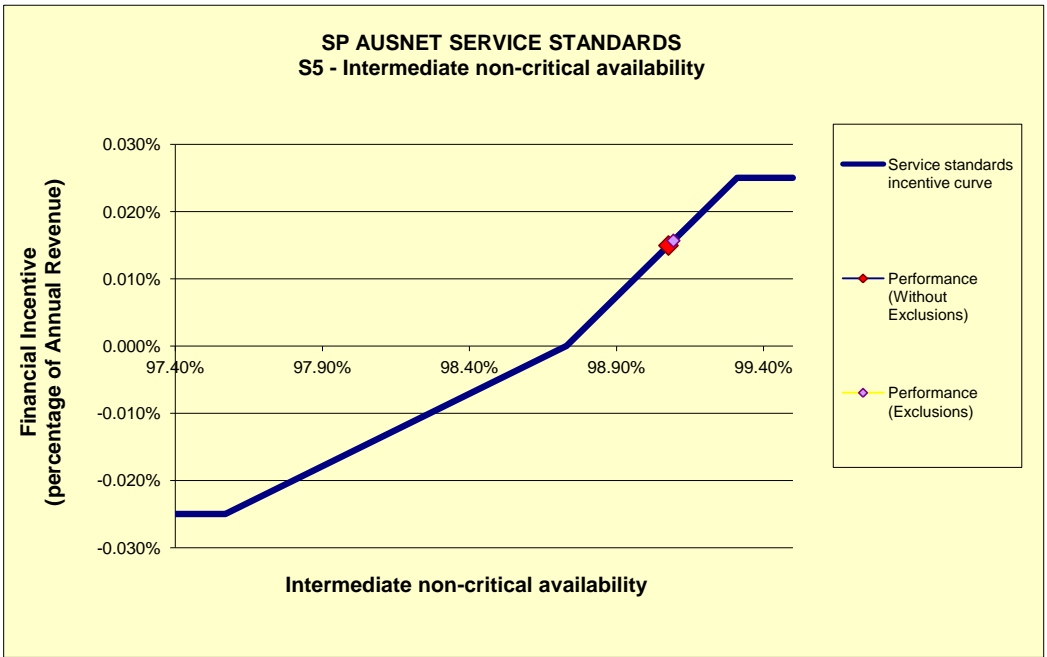
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SP AusNet - S6 - Loss of supply event frequency (no. of events > 0.05 system minutes per annum)

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	0.002500	0.002500
	=	-0.000417	x	No. of events	+	0.002500	3.00	≤	No. of events	≤	6.00	0.002500	0.002500
	=	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)	0	0
S-Factor	0.125000%	0.125000%

NOTE:

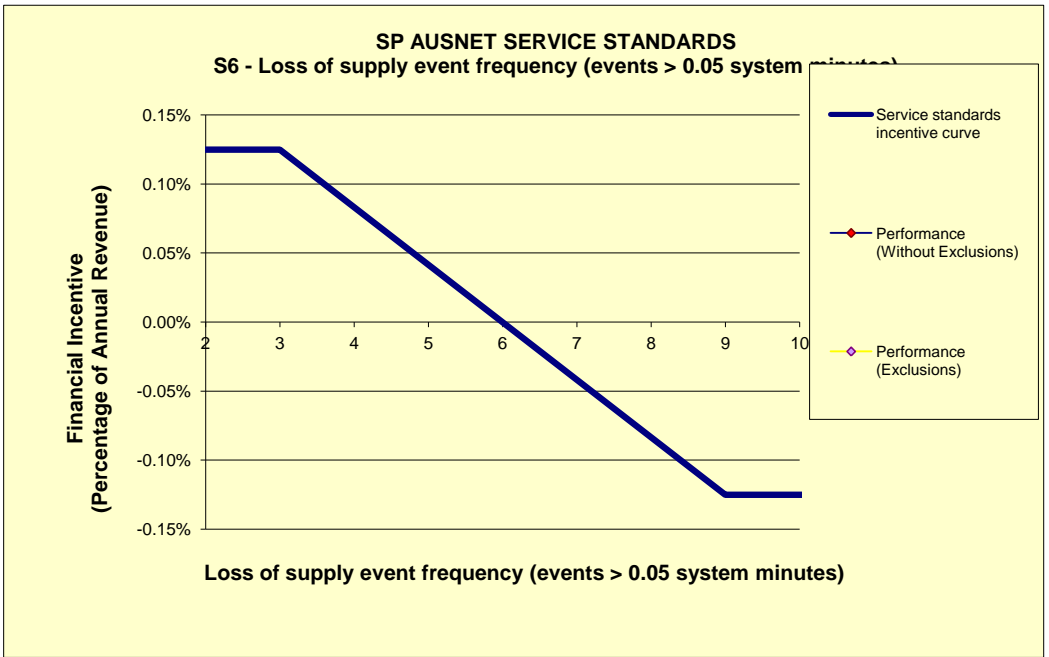
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SP AusNet - S7 - Loss of supply event frequency (no. of events > 0.3 system minutes per annum)

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	+	1.00	≤	No. of events ≤ 4.00	0.000417	0.000417
	=	-0.001250	x	No. of events	+	0.00	≤	No. of events ≤ 1.00	0.001250	0.001250
	=	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)	0	0
S-Factor	0.125000%	0.125000%

NOTE:

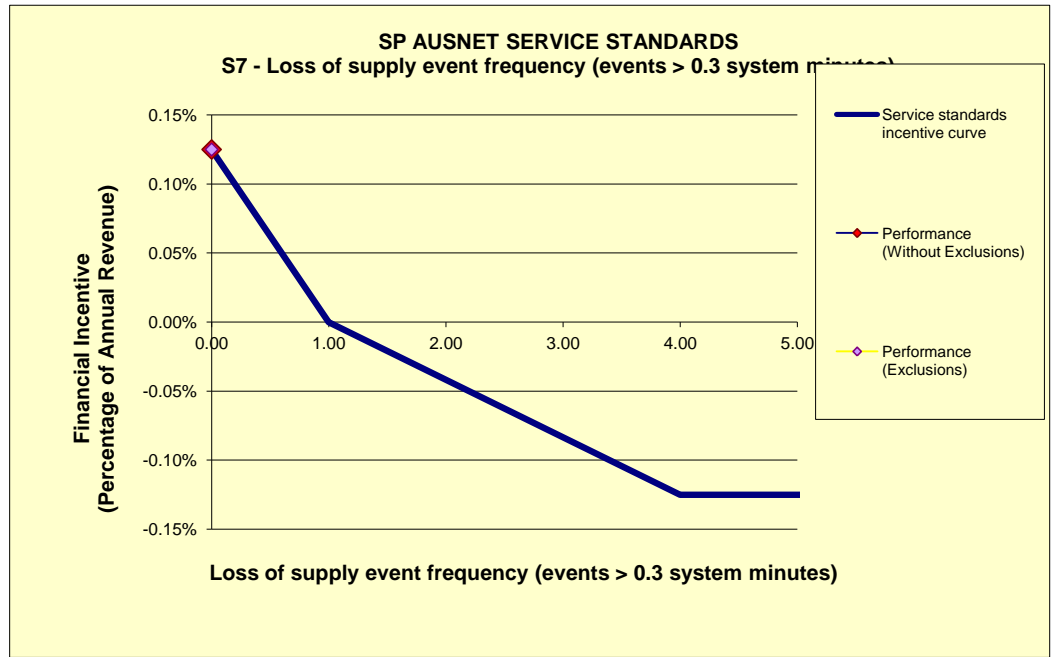
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SP AusNet - S8 - Average outage duration- lines (minutes)

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	+	382	≤	Duration	≤	0.001110	0.001110
	=	-0.000004	x	Duration	+	98	≤	Duration	≤	0.001114	0.001114
	=	0.001250						Duration	<	0.001250	0.001250

Average outage duration- lines (minutes)	Performance (Without Exclusions)	Performance (Exclusions)
Average outage duration- lines (minutes)	= 128.959184	128.959184
S-Factor	0.111374%	0.111374%

NOTE:

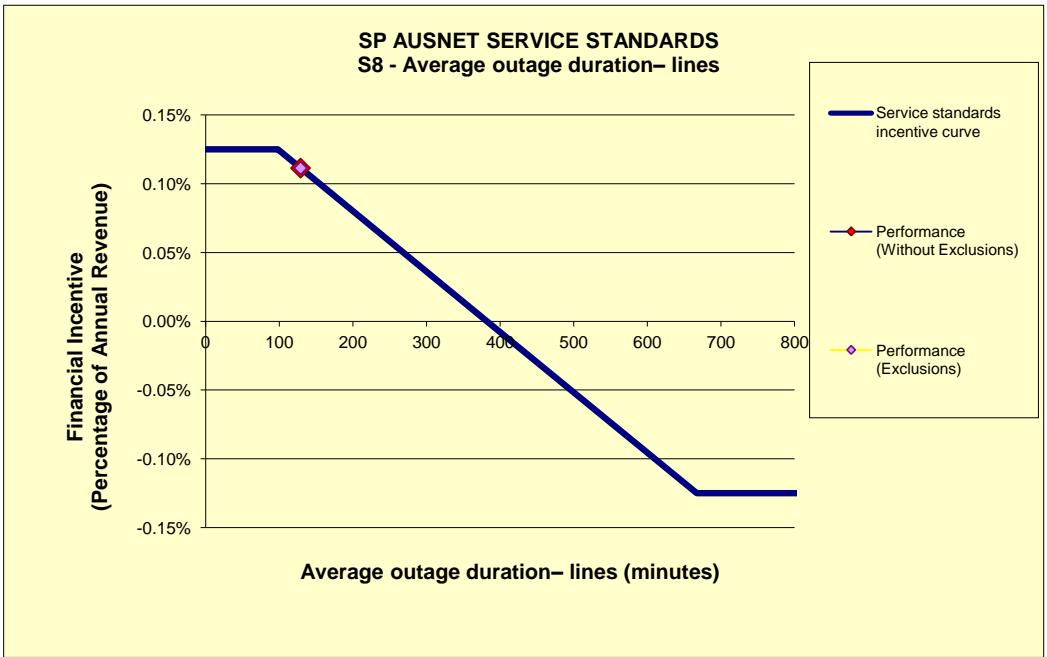
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SP AusNet - S9 - Average outage duration- transformers (minutes)

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	+	412.00	≤	Duration	-0.005523	-0.005523
	=	-0.000009	x	Duration	+	268.00	≤	Duration	-0.005523	-0.005523
	=	0.001250						Duration	0.001250	0.001250

Average outage duration- transformers (minutes)	Performance (Without Exclusions)	Performance (Exclusions)
Average outage duration- transformers (minutes)	= 1048.260000	1048.260000
S-Factor	= -0.125000%	-0.125000%

NOTE:

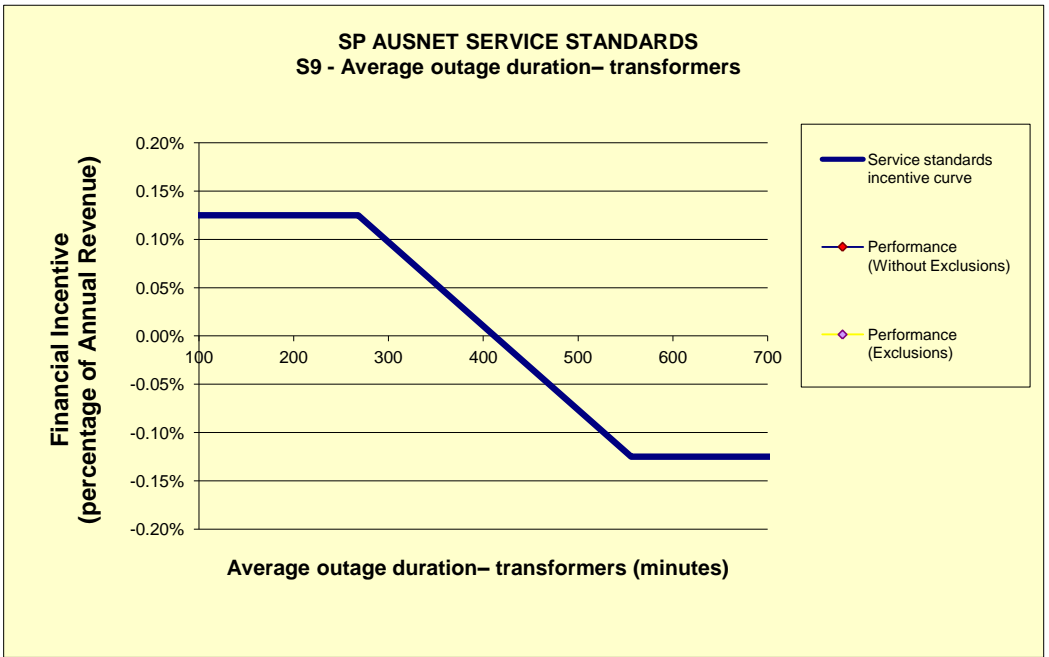
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Orange cells show the TNSP's performance outcomes with events excluded from performance data



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	160.1	166.0	169.5	174.0	-	-	-

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		

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

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

\$505,074,327

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%	99.094320%	0.200000%	\$1,010,149	99.112716%	0.200000%	\$1,010,149	0.000000%
S2	Peak critical availability	99.39%	99.771134%	0.195453%	\$987,185	99.800947%	0.200000%	\$1,010,149	0.004547%
S3	Peak non-critical availability	99.40%	99.768665%	0.050000%	\$252,537	99.884990%	0.050000%	\$252,537	0.000000%
S4	Intermediate critical availability	98.67%	99.286024%	0.022320%	\$112,731	99.287026%	0.022356%	\$112,915	0.000036%
S5	Intermediate non-critical availability	98.73%	99.076749%	0.014946%	\$75,489	99.093576%	0.015671%	\$79,152	0.000725%
S6	Loss of supply event frequency (no. of events > 0.05 system minutes per annum)	6	0	0.125000%	\$631,343	0	0.125000%	\$631,343	0.000000%
S7	Loss of supply event frequency (no. of events > 0.3 system minutes per annum)	1	0	0.125000%	\$631,343	0	0.125000%	\$631,343	0.000000%
S8	Average outage duration– lines (minutes)	382	129	0.111374%	\$562,519	129	0.111374%	\$562,519	0.000000%
S9	Average outage duration– transformers (minutes)	412	1048	-0.125000%	-\$631,343	1048	-0.125000%	-\$631,343	0.000000%
TOTALS				0.719093%	\$3,631,953		0.724401%	\$3,658,763	0.005308%

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	0.724401%
Financial Incentive	\$3,658,763
Financial year affected by financial incentive	2012/13

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	Appendix B Revenue Cap decision and as submitted by SP AusNet
	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.	
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)
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
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
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
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
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

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?	Service Target Performance Incentive Scheme (January 2007) p. 31