TEMPLATE EXPLANATION



These templates form part of the information requirements of the AER as part of its annual compliance review against the service standards in ElectraNet's revenue cap decision.

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

Purple worksheets 'S1' to 'S4' are the s-factors results based on the performance inputs from yellow worksheet 'Inputs - Performance' sheet.

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.'

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

ELECTRANET - SERVICE STANDARDS PERFORMANCE 2006

| PERFORMANCE MEASURE | S | 2006 Performance (Without exclusions) | 2006 Performance (With exclusions) |
|---|----|--|---------------------------------------|
| Total circuit availability | S1 | 99.29% | 99.42% |
| Loss of supply event frequency (>0.2 system minute) | S2 | 4 | 4 |
| Loss of supply event frequency (>1.0 system minute) | S3 | 0 | 0 |
| Average outage duration (mins) | S4 | 91 | 88 |

| Date prepared: | 2 February 2007 |
|----------------|-----------------|
| Revision date: | |

NOTES:

Performance should be based on 2006 calendar year data

Pink cells- Input performance without exclusions from performance data

Orange cells- Input performance with exclusions from performance data

Green cell (C9) input date that template data was entered. Enter date of any revisions from original version (C10).

| | LECTRANET- Pro | roposed excluse | ons for 2006 | | | | | | | | | | | 1 |
|---|--|--|---|---|----------------------------|---------------|---------------------|----------|--------------------------------------|--------------------------------------|--------------------------------|---|---|---|
| CA. | NEASURES | Y Event proposed for exclusion | Description of the event and its impac on the network and performance | Cause of the event | Start date | Start sime | End date | End | Circuits affected | | Quantitative impact | | Reasons for exclusion request | Parther references |
| NAME NAME NO FE | ne of any circuit Isbility measures applyin SectraNet | Name of the event | A brief outline of the event. Such as: the action of any third parties, the actions of the TNSP, assets tamaged or interrupted. | A brief description of the cause of the event. | Start date and time of eve | - | End date and time o | event | Name of circuit affected | | Number of hours interrupted | Proposed hours interrupted | Reason for excluding this event. Should include a reference to th defined exclusions (see Exclusion definition tab). Eg. Exclusion 1 Third party event. | A TNSP may provide further details of an exclusion event TNSP to provide reference. |
| | | | Outage for operational reasons (Voltage or contingency control) - line available for | | | | | | | | | | 1.5 Outage for operational reasons (Voltage or contigenc | Voltage Control |
| | | | immediate return to service Outage for operational reasons (Voltage or | | 16/04/2006 3:49 | - | 18/04/2006 7:0 | - | EAST TERRACE - MAGILE 275 KV LINE | | 51.313 | | control) - line available for immediate return to service | Voltage Control |
| | | | control of the state of the second of the se | | 25/09/2006 15:34 | | 20/10/2006 10:1 | | ELINGAMA - PLAYTORD 132KY LINE 1 | | 594.603 | | 1.5 Outage for operational reasons (voltage or contigeno control) - line available for immediate return to service 1.3 Third Party Outage - Event initiated by third party even | Third Party Event |
| | | | party event requiring ElectraNet protection to operate in backup capacity. | | 26/11/2006 5:10 | | 26/11/2006-6-5/ | | HUMMOCKS - ADROSSAN WEST 132 KV LINE | | 1.761 | | requiring ElectraNet protection to operate in backup capacity. | |
| | | | Third Party Outage - Event initiated by third party event requiring ElectraNet protection to any event requiring electraNet protection to any event of the second secon | - | 24/11/2004 8-12 | | 34/31/0004 4-41 | | URBANNE DALEMAN F 13304 LINE | | | | 1.3 Third Party Outage - Event initiated by third party even requiring ElectraNet protection to operate in backup | Third Party Event |
| | | | Outage for operational reasons (Voltage or contingency control) - line available for | | 201020003.0 | | 2010/2000 0.3 | | HUBBLICKS - DECHIPTE 1221 LINE | | | | 1.5 Outage for operational reasons (Voltage or contigence | Voltage Control |
| | | | immediate return to service Outage for operational reasons (Voltage or | | 27/11/2006 8:25 | - | 28/11/2006 1:4 | - | MANNUM - MOBILONG 132 KV LINE | | 17.313 | | control) - line available for immediate return to service | Voltage Control |
| | | | contingency control) - line available for immediate return to service Outene for operational seasons Oldians or | | 27/11/2006 8:23 | | 28/11/2006 1:8 | | TAILEM BEND - KEITH 132 KV LINE 2 | | 17.233 | | 1.5 Outage for operational reasons (Voltage or contigenc control) - line available for immediate return to service | Voltana Control |
| | | | contingency control) - line available for immediate return to service | | 27/11/2006 8:43 | | 28/11/2006 1:45 | | TAILEM BEND - KEITH 132 KV LINE 1 | | 17 | | 1.5 Outage for operational reasons (Voltage or contigeno control) - line available for immediate return to service | 3 |
| | | | Outage for operational reasons (Voltage or contingency control) - line available for any of the strategy of the second | | 20/11/2004 0.20 | | 20/21/0001 2:0 | | MANUAL MONITORS 333 MULTUR | | | | 1.5 Outage for operational reasons (Voltage or contigeno | Voltage Control |
| | | | Outage for operational reasons (Voltage or contingency control) - line available for | | 2010200002 | | 2010/2002/0 | | approved a solution of the tract | | 17.10 | | 1.5 Outage for operational reasons (Voltage or configence | Voltage Control |
| | | | mmediate return to service Outage for operational reasons (Voltage or | | 28/11/2006 8:22 | - | 29/11/2006 2:0 | - | TAILEM BEND - KEITH 132 KV LINE 1 | | 17.711 | | control) - line available for immediate return to service | Voltage Control |
| | | | control ency control - line available for immediate return to service Outage for operational reasons (Voltage or | | 28/11/2006 8:25 | | 28/11/2006 2:0 | | TAILEM BEND - KEITH 132 KV LINE 2 | | | | 1.5 Outage for operational reasons (voltage or contigenc control) - line available for immediate return to service | Voltage Control |
| | Table Claude | | contingency control) - line available for mmediate return to service | | 29/11/2006 7:22 | | 30/11/2006 5:8 | | MANNUM - MOBILONG 132 KV LINE | | 22.311 | | 1.5 Outage for operational reasons (Voltage or contigenc control) - line available for immediate return to service | |
| 51 | Availability | | Outage for operational reasons (Voltage or contingency control) - line available for mmadiate set on to service. | | 29/11/2006 2:26 | | 30/11/2006 5:20 | | TAU EM BEND - KEUDU 132 KV LINE 1 | | 22 233 | | 1.5 Outage for operational reasons (Voltage or contigenc | Voltage Control |
| | | | Outage for operational reasons (Voltage or contingency control) - line available for | | 201020007.24 | | 2010/2000 3.3 | | SALES BLAD - BLIR 12 KT CAL I | | | | 1.5 Outage for operational reasons (Voltage or contigence | Voltage Control |
| | | | mmediate return to service Outage for operational reasons (Voltage or | | 29/11/2006 7:26 | - | 30/11/2006 5:3/ | - | TAILEM BEND - KEITH 132 KV LINE 2 | | 22.211 | | control) - line available for immediate return to service | Voltage Control |
| | | | control ency control - line available for immediate return to service Outene for operational seasons Olditate or | | 30/11/2006 7:11 | | 1/12/2006 21:4 | | MANNUM - MOBILONG 132 KV LINE | | 28.411 | | 1.5 Uutage for operational reasons (voltage or contigeno control) - line available for immediate return to service | Voltana Control |
| | | | contingency control) - line available for mmediate return to service | | 30/11/2006 7:10 | | 4/12/2006 21:8 | | TAILEM BEND - KEITH 132 KV LINE 1 | | 110.383 | | 1.5 Outage for operational reasons (Voltage or contigeno control) - line available for immediate return to service | * |
| | | | Outage for operational reasons (Voltage or contingency control) - line available for any other is new (or | | 20/11/2004 1-22 | | 1/12/2004 21-0 | | THE PARTY AND AND AND AND AND AND A | | | | 1.5 Outage for operational reasons (Voltage or contigeno | Voltage Control |
| | | | Outage for operational reasons (Voltage or contingency control) - line available for | | 2010/2000 7-21 | | 0122002113 | | SALES BLAD - BLAN 122 KT CAL 2 | | | | 1.5 Outage for operational reasons (Voltage or contigence | Voltage Control |
| | | | mmediate return to service Outage for operational reasons (Voltage or | | 1/12/2006 2:34 | - | 1/12/2006 6:10 | - | TAILEM BEND - KEITH 132 KV LINE 1 | | 3.723 | c | control) - line available for immediate return to service | Voltage Control |
| | | | contingency control) - line available for immediate return to service | | 1/12/2006 2:35 | | 1/12/2006 6:10 | | TAILEM BEND - KEITH 132 KV LINE 2 | | 3.717 | | 1.5 Outage for operational reasons (Voltage or contigenc control) - line available for immediate return to service | a Alaliana Casilal |
| | | | contingency control) - line available for mmediate return to service | | 6/12/2006 2:32 | | 6/12/2006 6:11 | | WANNUM - MOBILONG 132 KV LINE | | 3.763 | | 1.5 Outage for operational reasons (Voltage or contigeno control) - line available for immediate return to service | a construction |
| | | Angas Creek - Mannum rebuild | Significant rebuild of Angas Creek Mannum transmission line | Significant rebuild of Angas Creek - Mannum | 20/01/08 12/20 | | 90206124 | | ANGAS CREEK - MANNUM 132KV LINE | | 239.3 | | 1.6 Line decommissioned for significant reinsulating, restringing etc. | Cap aggregate outage duration to 336 hours. |
| | | Jonan Courk - | Similinant solution of Levins Couck Marrison | transmission line Scenificant rebuild of | 130205131 | | 23/02/05 14-5 | | ANGLE CIDERY - MANNUM 132KV I INF | | 241.2 | 229.11 | 1.6.1 ins decomplications of for similar and raise dation | Can annenda rutana |
| | | Mannum rebuild | transmission line | Angas Creek Mannum transmission Ine | | | | | | | | 95.03 | sestinging etc. | duration to 336 hours. |
| | | Angas Creek - Mannum rebuild | Significant rebuild of Angas Creek Mannum transmission line | Significant rebuild of Angas Creek Mannum | 27/02/05 13:4: | | 2/03/06 15:3 | | ANGAS CREEK - MANNUM 132KV LINE | | 75.8 | | 1.6 Line decommissioned for significant reinsulating, restringing etc. | Cap aggregate outage duration to 336 hours. |
| H | | | | transmission line | | | | | | | | 0.00 | | |
| | LOSS OF SUPPLY VENT FREQUENCY | Event proposed for exclusion | Description of the event and its impac on the network and performance | Cause of the event | Start date | Start sime | End date | | Circuits affected | ayzinn | Guantitative impact | Demand ahed and time | Reasons for exclusion request | Parther references |
| | na of any insu of surply | | A held outline of the event. Such as the action of | | | - | | - | | The max system temant that | Number of Issue | The (MW) | Dasann for auristics this award. Onuid invists a selectors to the | A TWO may provide forther |
| the state | sources applying to ctraNet | Name of the event | any third parties, the actions of the TNSP, assets damaged or interrupted. | A brief description of the cause of the event. | Start date and time of eve | et | End date and time o | event | Name of circuit or plant affected | occurred up until the time of the | nins etc nterrupted | demand shed and the duration it was shed for. | defined exclusions (see Exclusion definition tab). Eg. Exclusion 1 Third party event | details of an exclusion event INSP to provide reference. |
| | | Third Party Trip 1 | On Supring 12th Neurophyr 2005 of 1243 | | | 1 | | 1 | | 0.3 | | 0.3MW for 81 Movies | 1.3 Third Party Outage - Event initiated by third party even | No Impact on performant all 2 Sustem Minute |
| | | | 42 132/11kV transformer at Kammantoo substation tripped correctly as a result of an | | | | | | | | | | capacity. | |
| | | | ETSA Utilities 11kV fault. Approximately 0.3MW of load was lost for 81 minutes. | | 12/11/2006 12:4 | | 12/11/2005 14:0 | | Kanmantoo | | 81 | | | |
| | | murany mpz | On Sunday 26th November 2005 at 0510, a 33kV three phase fault on the ETSA Utilities | | | | | | | | | Moutes | requiring ElectraNet protection to operate in backup capacity. | +0.2 System Minute |
| | | | network was cleared by ElectraNet's backup overcurrent protection at Androssan West | | | | | | | | | | | |
| 53 | Frequency (events > 0.2 system mins) | | substation. As a result approximately SMW- load was lost to Antroesan West and Datumple for 115 minutes | 1 | 2011/2020 0-01 | | 2011/2020 7-0 | | Andrewson Minut | | | | | |
| | | Third Party Trip 2 | On Sunday 25th November 2005 at 0510, a | | 2011/2000 3.11 | | 2011/2000 7.0 | | | 2.3 | | 2.2MW for 108 Minutes | 1.3 Third Party Outage - Event initiated by third party eve requiring ElectraNet protection to operate in backup | No Impact on performant +0.2 System Minute |
| | | | 33kV three phase fault on the ETSA Usilities network was cleared by ElectraNet's backup | | | | | | | | | | capacity. | |
| | | | overcurrent protection at Androssan West substation. As a result approximately SMW - load was just to Antrossan Viewi and | | | | | | | | | | | |
| | | | Oalrympie for 115 minutes. | | 25/11/2005 5:10 | | 25/11/2005 6:5 | | Dairympie | | 100 | | | |
| L | | | | | | | | | | | | | | |
| | Loss of Supply | | | | | | | | | | | | | |
| 53 | > 1.0 system minutes) | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 1 | DURATION | Event proposed for exclusion | Description of the event and its impact on the network and performance | Cause of the event | Start date | Start | End date | End | Circuits affected | | Quantitative (mpact | | Reasons for exclusion request | Further references |
| Na Sur | ne of any average outage ation measures applying | Name of the event | A bief outline of the event. Such as: the action of any third parties, the actions of the TNSP, assets | A brief description of the cause of the event | Start date and time of eve | et | End date and time o | event | Name of circuit or plant affected | | Number of hours, mins etc. | | Reason for excluding this event. Should include a reference to th defined exclusions (see Exclusion definition tab) Eg. Exclusion 1 | A TNSP may provide further details of an exclusion event |
| 0.0 | Sectrativet | Third Party Trip 1 | temaged or interrupted. | | | <u> </u> | | <u> </u> | | | interrupted | | Third party event 1.3 Third Party Outage - Event initiated by third party event set close ElectroNal and action in accessible in backet | Refer ElectraNet outage |
| | | | 42 132/11kV transformer at Karmantoo substation tripped correctly as a result of an | | | | | | | | | | capacity. | in a significant system. |
| | | | ETSA Utilities 11kV fault. Approximately 0.3MW of load was lost for 81 minutes | | | | | | | | | | | |
| | | Third Party Trip 2 | resulting in a 0.01 system minute. | | 12/11/2006 12:4 | | 12/11/2006 14:0 | | Kanmantoo | | 51 | | 1.3 Third Party Outage - Event initiated by third party even | Refer ElectraNet outage |
| | | | 33kV three phase fault on the ETSA Utilities retwork was cleared by ElectraNet's backup | | | | | | | | | | capacity. | and approach system. |
| 54 | Average Outage | | overcurrent protection at Ardrossan West substation. As a result approximately SMW | | | | | | | | | | | |
| | Constant | Third Dark Trin 2 | Dairympie for 115 minutes. | | 25/11/2005 5:10 | | 25/11/2005 7:0 | | Ardrossan West | | 115 | | 13 Third Darty Octave - Event initiated by third name ave | Paler Electralist outson |
| | | | On Sunday 25th November 2005 at 0510, a 33kV three phase fault on the ETSA Utilities | | | | | | | | | | requiring ElectraNet protection to operate in backup capacity. | management system |
| | | | network was cleared by ElectraNet's backup | | | | | | | | | | | |
| | | | overcurrent protection at Archotetan weat | | | | | | Dairympie | | | | | |
| _ | | | overcurrent protection at Androssan weat substation. As a result approximately SMW- load was loat to Androssan West and Delympis for 115 minutes. |] | 20/11/2005 5-14 | | 25/11/2005 /5-5 | | | | 474 | | | 1 |
| | | | Overcurrent protection at Antonexian vival substation. As a result approximately SMW- load was lost to Antonexian West and Dailympis for 115 minutes. | | 25/11/2006 5:10 | | 25/11/2005 6:5 | | | | 100 | · | | |
| | TES: | | overcurrer protection at Ardinata wwat nabitation. As a result topproximately SMM- load was lost to Ardinasan West and Datympie for 115 minutes. | | 25/11/2006 5-11 | | 26/11/2005 6:5 | | | | 108 | | | |
| NC This | TES: is spreadsheet should recording information | Include a list all events | Defaultering projection in Articistate water solution: An event approximative SMW and was both brandsame West and Datympie for 115 minutes battering proposed for exclusion. This is com- tent and proposed for exclusion. This is com- | ninkert with | 25/11/2005 5-11 | | 25/11/2005 6:5 | | | | 108 | 1 | | |
| NC Thi Gu | ITES: Is spreadsheet should reporting information idelines. | include a list all events requirements containe | SWEatware processor as Androstate Head and Annual Social Social Social Social Social Callyngie for 115 minutes. | ninkert with | 25/11/2006 5-11 | | 26/11/2005 6:5 | | | | 100 | | | |
| | TTES: is apreadableet should insporting information ideltress. ch proposed exclusion of quantification of the in- | I include a list all events requirements contains in event should include impact on the retrook | Debatation: As a most providently 2007 Index was to be Advesses West and Delyropie for 15 minutes. It has are proposed for exclusion. This is core is section 4.2 of the AER's Service Standard a description of the event, a description of the and partomanon. The description of the | nintert with rds | 26/11/2006 5-11 | | 26/1(2006.6.5 | | | | 100 | 1 | | |
| N 223 232 2 | TTES: In apreadulteet should reporting information ideines. ch proposed exclusion d quantification of the is user reasons for the ex- ch exclusion should be | l include a list all events requirements contains n event should include impact on the network exclusion request making e entered onto one row | predicative gas autors approximately reality and search gas autors approximately reality and and search and the Annual Search and Search and Dailyungia for 15 minutes. In that are proposed for exclusion. This is core a description of the event, a description of the and spectrymous of the event, a description of the and spectrymous of the event, a description of the and spectrymous on the descriptive elements in elements on the "Exclusion Delations" fail drive the each means. There one exclusions on | elatert with rds s Impact should a | 26/11/2006 5-11 | | 26/1/2005 6:5 | | | | 100 | | | |
| NC Thithe Gu Ea Inc Ea | TES: is spreadtheet should incorting information idenness. ch proposed exclusion dg materials for the ex- ch exclusion should be more than one measure baser basedrigs. | I include a list all events requirements containe mexent should include impact on the network adaptor request adaptor request externed onto one row re, the relevant data is | Indicating speakation, the results of the speakation of the land reads to be the Addressen West and Delyropie for 15 merulas. The speakation of the speakation. This is corre- ted in section 4.2 of the AdDrs Service Shoetand a description of the event, a description of the g reference to the "Cardinan Deletioner" biol or g reference to the "Cardinan Deletioner" biol or shoet no to the "Cardinan Deletioner" biol of the event should be entered under such or of the event should be entered under such or the second se | wintert with rds with should a hould a hot applies if the | 26/11/2006 5-11 | | 26/11/2006 6:5 | | | | 100 | | | 1 |
| NC This the Gu and Inc. East to the This the Inc. | TES: Is spreaduhest should importing information idefines. Appropriate for the site of exact of the site indef reasons for the site of exact of the site of the indef reasons for the site indef reasons for the site indef reasons for the site indef reasons for the site indef reasons for t | I include a list all events requirements costains impact on the network adaption requirements extension requirements extension requirements adaption the network details details for all events mo details for all events mo | Indicating the sector and the sector | aintert with rds simpact should s . ret apples fibe sweet but | 26/11/2006 5-11 | | 26/11/2006 6:5 | | | | 100 | 1 | | <u>+</u> |

Green cells - input description impact Orange cells - input reasons for the exclusion request

ELECTRANET- S1 - Total circuit availability

| Performance Targets | Graph start | Collar | Target | Cap | Graph end |
|----------------------------|-------------|--------|--------|--------|--------------|
| Total circuit availability | | 98.50% | 99.25% | 99.60% | |
| Measure weighting | | -0.35% | 0.00% | 0.35% | |

| Performance Formulae | | | Formula | ae | | | | | Conditions | | | S- Calc 1 | S- Calc 2 |
|----------------------|---|-----------|---------|--------------|---|-----------|--------|---|--------------|---|--------|-----------|-----------|
| Performance | = | -0.003500 | | | | | When: | | Availability | < | 98.50% | -0.003500 | -0.003500 |
| | = | 0.466667 | х | Availability | + | -0.463167 | 98.50% | ≤ | Availability | ≤ | 99.25% | 0.000196 | 0.000798 |
| | = | 1.000000 | х | Availability | + | -0.992500 | 99.25% | ≤ | Availability | ≤ | 99.60% | 0.000421 | 0.001711 |
| | = | 0.003500 | | | | | 99.60% | < | Availability | | | 0.003500 | 0.003500 |

| Performance Outcomes | Performance (Without Exclusions) | Performance (Exclusions) |
|------------------------------|--|-----------------------------|
| Total circuit availability = | 99.292099% | 99.421091% |
| S-Factor Result = | 0.000421 | 0.001711 |

NOTES:

Blue cells show ElectraNet's performance targets (C4:E4) and measure weightings (C5:E5) [See appendix 6 of revenue cap decision- corrected 22 January 2003]

Yellow/Green cells (Rows 8:11) show ElectraNet's performance formulae and related formular conditions based on performance targets and measure weightings

Pink cells (C14, C15) show ElectraNet's performance outcomes without any events excluded from performance data

Orange cells (D14, D15) show ElectraNet's performance outcomes with events excluded from performance data



ELECTRANET- S2 - Loss of supply event frequency (>0.2 system minute)

| Performance Targets | Graph start | Collar | Knee Bend | Target | K | nee Bend | Cap | Graph end |
|---|--------------|--------------|------------|--------|----------|------------|------------|------------|
| Loss of supply event frequency (>0.2 system minute) Measure weighting | 15 -0.10% | 10 -0.10% | 6 0.00% | 0. | 5 00% | 5 0.00% | 1 0.10% | 0 0.10% |

| Performance Formulae | | | | Formulae | | | | | Conditions | | | S- Calc 1 | S- Calc 2 |
|----------------------|---|-----------|---|--------------------------------|---|----------|----|---|--------------------------------|---|----|-----------|-----------|
| Performance | = | -0.001000 | | | | When: | 10 | < | Loss of supply event frequency | | | -0.001000 | -0.001000 |
| | = | -0.000250 | х | Loss of supply event frequency | + | 0.001500 | 6 | ≤ | Loss of supply event frequency | ≤ | 10 | 0.000500 | 0.000500 |
| | = | 0.000000 | | | | | 5 | ≤ | Loss of supply event frequency | ≤ | 6 | 0.000000 | 0.000000 |
| | = | -0.000250 | х | Loss of supply event frequency | + | 0.001250 | 1 | ≤ | Loss of supply event frequency | ≤ | 5 | 0.000250 | 0.000250 |
| | = | 0.001000 | | | | | | | Loss of supply event frequency | < | 0 | 0.001000 | 0.001000 |



ELECTRANET- S3 - Loss of supply event frequency (>1.0 system minute)



ELECTRANET- S4 - Average outage duration

| Performance Targets | Graph start | Collar | Knee Bend | Target | Knee Bend | Сар | Graph end |
|-------------------------|-------------|--------|-----------|--------|-----------|-------|-----------|
| Average outage duration | | 190 | 110 | 100 | 100 | 70 | 50 |
| Measure weighting | | -0.25% | 0.00% | 0.00% | 0.00% | 0.25% | 0.25% |

| Performance Formulae | | | | Formulae | | | | | Conditions | | | S- Calc 1 | S- Calc 2 |
|----------------------|---|-----------|---|-------------------------|---|----------|-----|---|-------------------------|---|-----|-----------|-----------|
| Performance | = | -0.002500 | | | | | 190 | < | Average outage duration | | | -0.002500 | -0.002500 |
| | = | -0.000031 | х | Average outage duration | + | 0.003438 | 110 | ≤ | Average outage duration | ≤ | 190 | 0.000598 | 0.000673 |
| | = | 0.000000 | | | | | 100 | ≤ | Average outage duration | ≤ | 110 | 0.000000 | 0.000000 |
| | = | -0.000083 | х | Average outage duration | + | 0.008333 | 70 | ≤ | Average outage duration | ≤ | 100 | 0.000760 | 0.000962 |
| | = | 0.002500 | | | | | | | Average outage duration | < | 70 | 0.002500 | 0.002500 |



ELECTRANET - Revenue Calculation

| Revenue cap information | |
|-----------------------------------|-------------------|
| Base revenue (AR) | \$ 148,010,000 |
| Base year | 2002-03 |
| X-factor | -1.96% |
| Commencement of regulatory period | 1-Jan-03 |

| Annual revenue adjusted for CPI | Mar-02 | Mar-03 | Mar-04 | Mar-05 | Mar-06 |
|---------------------------------|--------------|---------------|---------------|---------------|---------------|
| СРІ | 136.6 | 141.3 | 144.1 | 147.5 | 151.9 |
| | 2002-03 | 2003-04 | 2004-05 | 2005-06 | 2006-07 |
| AR | \$74,005,000 | \$156,103,395 | \$162,316,995 | \$169,403,298 | \$177,876,035 |

| Calendar year revenue | 2003 | 2004 | 2005 | 2006 |
|-----------------------|---------------|---------------|---------------|---------------|
| Revenue | \$152,056,697 | \$159,210,195 | \$165,860,146 | \$173,639,666 |

NOTES:

Grey cells show calendar year revenue

Green cells are for formula

Blue cells are a drop down menu

ELECTRANET- Performance outcomes 2006

Revenue calendar year 2006 (\$) \$173,639,666

| Performance measure | | Target | Performance without exclusions | | | Performance with exclusions | | |
|--|----|--------|--------------------------------|----------|-----------------|-----------------------------|----------|-----------------|
| r enomance measure | 3 | raryer | Performance | S-Factor | Final Incentive | Performance | S-Factor | Final Incentive |
| otal circuit availability | S1 | 99.25% | 0.992921 | 0.000421 | \$73,101 | 0.994211 | 0.001711 | \$297,083 |
| oss of supply event frequency (>0.2 system minute) | S2 | 5 | 4.000000 | 0.000250 | \$43,410 | 4.000000 | 0.000250 | \$43,410 |
| oss of supply event frequency (>1.0 system minute) | S3 | 2 | 0.000000 | 0.003000 | \$520,919 | 0.000000 | 0.003000 | \$520,919 |
| verage outage duration (mins) | S4 | 100 | 90.875000 | 0.000760 | \$132,038 | 88.461538 | 0.000962 | \$166,961 |
| | | | | | | | | |

0.004431

\$769,469

TOTALS

Т

| NOTE: |
|---|
| THIS PAGE WILL AUTOMATICALLY UPDATE BASED ON DATA IN INPUT WORKSHEETS |
| Grey cell (C3) show relevant calendar year revenue |
| Green cells (C7:C12) show performance measure targets |
| Pink cells (Rows D:F) show performance, s-factor results and financial incentive without exclusions |
| Orange cells (Rows G:I) show performance, s-factor results and financial incentive with exclusions |
| Blue cells show the impact of exclusions on revenue |

| Aggregate outcome 2006 | _ |
|----------------------------------|-------------|
| S-factor | 0.005922 |
| Bonus (penalty) | \$1,028,373 |
| Financial year to affect revenue | 2007-08 |

0.005922

Impact of exclusions

0.001290

0.000000

0.000000

0.000201

0.001491

\$297,083

\$43,410

\$520,919

\$166,961

\$1,028,373

ElectraNet - Defined exclusions

| No | Measure 1- Transmission circuit availability | | |
|--|---|--|---|
| | Defined exclusions | Further description of exclusion | Reference |
| | | | |
| 1.2 | 2 Unregulated transmission assets. | | Appendix 5 Revenue cap decision |
| 1.3 | 3 3rd party outage | Any outages caused by a '3rd party system' eg, intertrip signals, generator outage, customer installation, customer request or | Appendix 5 Revenue cap decision |
| | | NEMMCO direction. | hh |
| 14 | Switching to control fault levels | Outages to control voltages within required limits, both as directed by NEMMCO and where NEMMCO does not have direct oversight | Exclusion applied by ElectraNet in line |
| | | of the network (in both cases only where the element is available for immediate energisation if required) | with historical practice |
| 1.5 | Circuit opening for operational purposes | The period of only one and of a transmission circuit (or where the transmission circuit remains of and available to carry | Evolution applied by ElectraNet in line |
| 1.5 | Circuit opening for operational purposes | The opening of only one end of a transmission circuit (e.g. where the transmission circuit remains energised and available to carry | with historical practice |
| 4.0 | Decommissioned line | power with immediate manual or automatic return to service). | With historical practice |
| 1.6 | b Decommissioned line | transmission lines decommissioned for an extended period of time for major line rebuilding activities, such as restringing, reinsulation | Exclusion applied by Electrainet in line |
| | | or multiple structure replacements. | with historical practice |
| | | The number of interrupted hours related to a single transmission line redevelopment project or substation redevelopment project is | |
| | | capped at 336 hours (14 days). | |
| 1.7 | 7 Force majeure | | Appendix 5 Revenue cap decision |
| | | | |
| | Measure 2- Loss of supply event frequency (>0.2 s | system minutes) | |
| | Defined exclusions | Further description of exclusion | Reference |
| 2.1 | Successful reclose events (< 1 minute duration) | | Exclusion applied by ElectraNet in line |
| | · · · · · · · · · · · · · · · · · · · | | with historical practice |
| 22 | 2 Unregulated transmission assets | | Appendix 5 Revenue can decision |
| 2 3 | 3 3rd party outage | Any outgoes caused by a '3rd party system' ag intertrip signals, generator outgoe, customer installation, customer request or | Appendix 5 Revenue can decision |
| 2.5 | Joid party outage | Network of the state of a state of a state of the state o | Appendix o Revenue cap decision |
| 2.4 | 1 Diannad autorea | | Annandiy E Dayanya aan daajajan |
| 2.4 | | | Appendix 5 Revenue cap decision |
| 2.5 | interconnector outages supply interruptions | For supply outages resulting from an interconnector outage, the Period of the interruption is capped at hair an nour. This is done to | Exclusion applied by Electrainet in line |
| | | include the impact of automatic under-frequency load shedding, but to exclude the impact of any market failure to respond and restore | with historical practice |
| | | load within required timetrames (ie. excluding factors outside of ElectraNet's control). | |
| 2.6 | 6 Pumping station supply interruptions | Pumping station supply interruptions were excluded from historical data due to the highly irregular nature of these loads, which makes | Exclusion applied by ElectraNet in line |
| | | accurate estimation of load profiles unreliable. | with historical practice |
| 2.7 | 7 Force maieure | Where ElectraNet protection operates incorrectly ahead of 3rd party protection, the portion of customer load that would have | Appendix 5 Revenue can decision |
| | | | Appendix of Revenue cap decision |
| | | been lost had ElectraNet protection no operated is removed from the total lost load. | |
| | | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. | |
| | | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. | |
| | Measure 3- Loss of supply event frequency (>1.0 | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. | |
| | Measure 3- Loss of supply event frequency (>1.0 s | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. system minutes) | Reference |
| 3 1 | Measure 3- Loss of supply event frequency (>1.0 s Defined exclusions | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. system minutes) Further description of exclusion | Reference |
| 3.1 | Measure 3- Loss of supply event frequency (>1.0 s Defined exclusions 1 Successful reclose events (<1 minute duration) | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. system minutes) Further description of exclusion | Reference Exclusion applied by ElectraNet in line |
| 3.1 | Measure 3- Loss of supply event frequency (>1.0 s Defined exclusions 1 Successful reclose events (<1 minute duration) | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. system minutes) Further description of exclusion | Reference Exclusion applied by ElectraNet in line with historical practice |
| 3.1 3.2 | Measure 3- Loss of supply event frequency (>1.0 s Defined exclusions 1 Successful reclose events (<1 minute duration) 2 Unregulated transmission assets | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. system minutes) Further description of exclusion | Reference Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision |
| 3.1 3.2 3.3 | Measure 3- Loss of supply event frequency (>1.0 s Defined exclusions 1 Successful reclose events (<1 minute duration) 2 Unregulated transmission assets 3 3rd party outage | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. system minutes) Further description of exclusion Any outages caused by a '3rd party system' eg. intertrip signals, generator outage, customer installation, customer request or | Reference Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision Appendix 5 Revenue cap decision |
| 3.1 3.2 3.3 | Measure 3- Loss of supply event frequency (>1.0 s Defined exclusions 1 Successful reclose events (<1 minute duration) 2 Unregulated transmission assets 3 3rd party outage | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. system minutes) Further description of exclusion Any outages caused by a '3rd party system' eg. intertrip signals, generator outage, customer installation, customer request or NEMMCO direction. | Reference Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision Appendix 5 Revenue cap decision |
| 3.1 3.2 3.3 3.4 | Measure 3- Loss of supply event frequency (>1.0 s Defined exclusions 1 Successful reclose events (<1 minute duration) 2 Unregulated transmission assets 3 3rd party outage 4 Planned outages | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. system minutes) Further description of exclusion Any outages caused by a '3rd party system' eg. intertrip signals, generator outage, customer installation, customer request or NEMMCO direction. | Reference Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision Appendix 5 Revenue cap decision Appendix 5 Revenue cap decision |
| 3.1 3.2 3.3 3.4 3.5 | Measure 3- Loss of supply event frequency (>1.0 s Defined exclusions 1 Successful reclose events (<1 minute duration) | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. system minutes) Further description of exclusion Any outages caused by a '3rd party system' eg. intertrip signals, generator outage, customer installation, customer request or <i>NEMMCO</i> direction. For supply outages resulting from an interconnector outage, the Period of the Interruption is capped at half an hour. This is done to | Reference Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision Appendix 5 Revenue cap decision Appendix 5 Revenue cap decision Exclusion applied by ElectraNet in line |
| 3.1 3.2 3.3 3.4 3.5 | Measure 3- Loss of supply event frequency (>1.0 s Defined exclusions 1 Successful reclose events (<1 minute duration) | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. system minutes) Further description of exclusion Any outages caused by a '3rd party system' eg. intertrip signals, generator outage, customer installation, customer request or <i>NEMMCO</i> direction. For supply outages resulting from an interconnector outage, the Period of the Interruption is capped at half an hour. This is done to include the impact of automatic under-frequency load shedding, but to exclude the impact of any market failure to respond and restore | Reference Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision Appendix 5 Revenue cap decision Exclusion applied by ElectraNet in line with historical practice |
| 3.1 3.2 3.3 3.4 3.5 | Measure 3- Loss of supply event frequency (>1.0 s Defined exclusions 1 Successful reclose events (<1 minute duration) | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. system minutes) Further description of exclusion Any outages caused by a '3rd party system' eg. intertrip signals, generator outage, customer installation, customer request or NEMMCO direction. For supply outages resulting from an interconnector outage, the Period of the Interruption is capped at half an hour. This is done to include the impact of automatic under-frequency load shedding, but to exclude the impact of any market failure to respond and restore load within required timeframes (ie. excluding factors outside of ElectraNet's control). | Reference Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision Appendix 5 Revenue cap decision Exclusion applied by ElectraNet in line with historical practice |
| 3.1 3.2 3.3 3.4 3.5 | Measure 3- Loss of supply event frequency (>1.0 s Defined exclusions 1 Successful reclose events (<1 minute duration) | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. system minutes) Further description of exclusion Any outages caused by a '3rd party system' eg. intertrip signals, generator outage, customer installation, customer request or NEMMCO direction. For supply outages resulting from an interconnector outage, the Period of the Interruption is capped at half an hour. This is done to include the impact of automatic under-frequency load shedding, but to exclude the impact of any market failure to respond and restore load within required timeframes (ie. excluding factors outside of ElectraNet's control). Pumping station supply interruptions were excluded from historical data due to the highly irregular nature of these loads, which makes | Reference Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision Appendix 5 Revenue cap decision Exclusion applied by ElectraNet in line with historical practice Exclusion applied by ElectraNet in line |
| 3.1 3.2 3.3 3.4 3.5 | Measure 3- Loss of supply event frequency (>1.0 s Defined exclusions 1 Successful reclose events (<1 minute duration) | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. system minutes) Further description of exclusion Any outages caused by a '3rd party system' eg. intertrip signals, generator outage, customer installation, customer request or <i>NEMMCO</i> direction. For supply outages resulting from an interconnector outage, the Period of the Interruption is capped at half an hour. This is done to include the impact of automatic under-frequency load shedding, but to exclude the impact of any market failure to respond and restore load within required timeframes (ie. excluding factors outside of ElectraNet's control). Pumping station supply interruptions were excluded from historical data due to the highly irregular nature of these loads, which makes accurate estimation of load profiles unreliable. | Reference Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision Appendix 5 Revenue cap decision Exclusion applied by ElectraNet in line with historical practice Exclusion applied by ElectraNet in line with historical practice |
| 3.1 3.2 3.3 3.4 3.5 3.6 3.7 | Measure 3- Loss of supply event frequency (>1.0 s Defined exclusions 1 Successful reclose events (<1 minute duration) | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. system minutes) Further description of exclusion Any outages caused by a '3rd party system' eg. intertrip signals, generator outage, customer installation, customer request or <i>NEMMCO</i> direction. For supply outages resulting from an interconnector outage, the Period of the Interruption is capped at half an hour. This is done to include the impact of automatic under-frequency load shedding, but to exclude the impact of any market failure to respond and restore load within required timeframes (ie. excluding factors outside of ElectraNet's control). Pumping station supply interruptions were excluded from historical data due to the highly irregular nature of these loads, which makes accurate estimation of load profiles unreliable. Where ElectraNet protection operates incorrectly ahead of 3rd party protection, the portion of customer load that would have. | Reference Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision Appendix 5 Revenue cap decision Exclusion applied by ElectraNet in line with historical practice Exclusion applied by ElectraNet in line with historical practice |
| 3.1 3.2 3.3 3.4 3.5 3.6 3.7 | Measure 3- Loss of supply event frequency (>1.0 s Defined exclusions 1 Successful reclose events (<1 minute duration) | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. system minutes) Further description of exclusion Any outages caused by a '3rd party system' eg. intertrip signals, generator outage, customer installation, customer request or <i>NEMMCO</i> direction. For supply outages resulting from an interconnector outage, the Period of the Interruption is capped at half an hour. This is done to include the impact of automatic under-frequency load shedding, but to exclude the impact of any market failure to respond and restore load within required timeframes (ie. excluding factors outside of ElectraNet's control). Pumping station supply interruptions were excluded from historical data due to the highly irregular nature of these loads, which makes accurate estimation of load profiles unreliable. Where ElectraNet protection operates incorrectly ahead of 3rd party protection, the portion of customer load that would have been lost had ElectraNet protection no operated is removed from the total lost load | Reference Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision Appendix 5 Revenue cap decision Exclusion applied by ElectraNet in line with historical practice Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision |
| 3.1 3.2 3.3 3.4 3.5 3.6 3.7 | Measure 3- Loss of supply event frequency (>1.0 s Defined exclusions 1 Successful reclose events (<1 minute duration) | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. system minutes) Further description of exclusion Any outages caused by a '3rd party system' eg. intertrip signals, generator outage, customer installation, customer request or <i>NEMMCO</i> direction. For supply outages resulting from an interconnector outage, the Period of the Interruption is capped at half an hour. This is done to include the impact of automatic under-frequency load shedding, but to exclude the impact of any market failure to respond and restore load within required timeframes (ie. excluding factors outside of ElectraNet's control). Pumping station supply interruptions were excluded from historical data due to the highly irregular nature of these loads, which makes accurate estimation of load profiles unreliable. Where ElectraNet protection no operates incorrectly ahead of 3rd party protection, the portion of customer load that would have been lost had ElectraNet protection no operates correctly due to a 3rd party system polyte load is recorred. | Reference Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision Appendix 5 Revenue cap decision Exclusion applied by ElectraNet in line with historical practice Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision |
| 3.1 3.2 3.3 3.4 3.5 3.6 3.7 | Measure 3- Loss of supply event frequency (>1.0 s Defined exclusions 1 Successful reclose events (<1 minute duration) 2 Unregulated transmission assets 3 3rd party outage 4 Planned outages 5 Interconnector outages supply interruptions 5 Pumping station supply interruptions 7 Force majeure | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. system minutes) Further description of exclusion Any outages caused by a '3rd party system' eg. intertrip signals, generator outage, customer installation, customer request or NEMMCO direction. For supply outages resulting from an interconnector outage, the Period of the Interruption is capped at half an hour. This is done to include the impact of automatic under-frequency load shedding, but to exclude the impact of any market failure to respond and restore load within required timeframes (ie. excluding factors outside of ElectraNet's control). Pumping station supply interruptions were excluded from historical data due to the highly irregular nature of these loads, which makes accurate estimation of load profiles unreliable. Where ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates incorrectly ahead of 3rd party protection, the portion of customer load that would have been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. | Reference Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision Appendix 5 Revenue cap decision Exclusion applied by ElectraNet in line with historical practice Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision |
| 3.1 3.2 3.3 3.4 3.5 3.6 3.7 | Measure 3- Loss of supply event frequency (>1.0 s Defined exclusions 1 Successful reclose events (<1 minute duration) | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. system minutes) Further description of exclusion Any outages caused by a '3rd party system' eg. intertrip signals, generator outage, customer installation, customer request or <i>NEMMCO</i> direction. For supply outages resulting from an interconnector outage, the Period of the Interruption is capped at half an hour. This is done to include the impact of automatic under-frequency load shedding, but to exclude the impact of any market failure to respond and restore load within required timeframes (ie. excluding factors outside of ElectraNet's control). Pumping station supply interruptions were excluded from historical data due to the highly irregular nature of these loads, which makes accurate estimation of load profiles unreliable. Where ElectraNet protection no operated is removed form the total lost load. Where ElectraNet protection operates incorrectly due to a fault on a 3rd party system no lost load is recorded. | Reference Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision Appendix 5 Revenue cap decision Exclusion applied by ElectraNet in line with historical practice Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision |
| 3.1 3.2 3.3 3.4 3.5 3.6 3.7 | Measure 3- Loss of supply event frequency (>1.0 s Defined exclusions 1 Successful reclose events (<1 minute duration) | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. system minutes) Further description of exclusion Any outages caused by a '3rd party system' eg. intertrip signals, generator outage, customer installation, customer request or <i>NEMMCO</i> direction. For supply outages resulting from an interconnector outage, the Period of the Interruption is capped at half an hour. This is done to include the impact of automatic under-frequency load shedding, but to exclude the impact of any market failure to respond and restore load within required timeframes (ie. excluding factors outside of ElectraNet's control). Pumping station supply interruptions were excluded from historical data due to the highly irregular nature of these loads, which makes accurate estimation of load profiles unreliable. Where ElectraNet protection operates incorrectly ahead of 3rd party protection, the portion of customer load that would have been lost had ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. | Reference Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision Appendix 5 Revenue cap decision Exclusion applied by ElectraNet in line with historical practice Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision |
| 3.1 3.2 3.3 3.4 3.5 3.6 3.7 | Measure 3- Loss of supply event frequency (>1.0 s Defined exclusions 1 Successful reclose events (<1 minute duration) | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. system minutes) Further description of exclusion Any outages caused by a '3rd party system' eg. intertrip signals, generator outage, customer installation, customer request or NEMMCO direction. For supply outages resulting from an interconnector outage, the Period of the Interruption is capped at half an hour. This is done to include the impact of automatic under-frequency load shedding, but to exclude the impact of any market failure to respond and restore load within required timeframes (ie. excluding factors outside of ElectraNet's control). Pumping station supply interruptions were excluded from historical data due to the highly irregular nature of these loads, which makes accurate estimation of load profiles unreliable. Where ElectraNet protection operates incorrectly ahead of 3rd party protection, the portion of customer load that would have been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. | Reference Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision Appendix 5 Revenue cap decision Exclusion applied by ElectraNet in line with historical practice Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision |
| 3.1 3.2 3.3 3.4 3.5 3.6 3.7 | Measure 3- Loss of supply event frequency (>1.0 s Defined exclusions 1 Successful reclose events (<1 minute duration) | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. system minutes) Further description of exclusion Any outages caused by a '3rd party system' eg. intertrip signals, generator outage, customer installation, customer request or NEMMCO direction. For supply outages resulting from an interconnector outage, the Period of the Interruption is capped at half an hour. This is done to include the impact of automatic under-frequency load shedding, but to exclude the impact of any market failure to respond and restore load within required timeframes (ie. excluding factors outside of ElectraNet's control). Pumping station supply interruptions were excluded from historical data due to the highly irregular nature of these loads, which makes accurate estimation of load profiles unreliable. Where ElectraNet protection operates incorrectly ahead of 3rd party protection, the portion of customer load that would have been lost had ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. Further description of exclusion | Reference Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision Appendix 5 Revenue cap decision Exclusion applied by ElectraNet in line with historical practice Exclusion applied by ElectraNet in line with historical practice Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision |
| 3.1 3.2 3.3 3.4 3.5 3.6 3.7 | Measure 3- Loss of supply event frequency (>1.0 s Defined exclusions 1 Successful reclose events (<1 minute duration) | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. system minutes) Further description of exclusion Any outages caused by a '3rd party system' eg. intertrip signals, generator outage, customer installation, customer request or NEMMCO direction. For supply outages resulting from an interconnector outage, the Period of the Interruption is capped at half an hour. This is done to include the impact of automatic under-frequency load shedding, but to exclude the impact of any market failure to respond and restore load within required timeframes (ie. excluding factors outside of ElectraNet's control). Pumping station supply interruptions were excluded from historical data due to the highly irregular nature of these loads, which makes accurate estimation of load profiles unreliable. Where ElectraNet protection operates incorrectly ahead of 3rd party protection, the portion of customer load that would have been lost had ElectraNet protection operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. Further description of exclusion | Reference Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision Appendix 5 Revenue cap decision Exclusion applied by ElectraNet in line with historical practice Exclusion applied by ElectraNet in line with historical practice Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision Reference Appendix 5 Revenue cap decision Exclusion applied by ElectraNet in line |
| 3.1 3.2 3.3 3.4 3.5 3.6 3.7 | Measure 3- Loss of supply event frequency (>1.0 s Defined exclusions 1 Successful reclose events (<1 minute duration) | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. system minutes) Further description of exclusion Any outages caused by a '3rd party system' eg. intertrip signals, generator outage, customer installation, customer request or NEMMCO direction. For supply outages resulting from an interconnector outage, the Period of the Interruption is capped at half an hour. This is done to include the impact of automatic under-frequency load shedding, but to exclude the impact of any market failure to respond and restore load within required timeframes (ie. excluding factors outside of ElectraNet's control). Pumping station supply interruptions were excluded from historical data due to the highly irregular nature of these loads, which makes accurate estimation of load profiles unreliable. Where ElectraNet protection operates incorrectly ahead of 3rd party protection, the portion of customer load that would have been lost had ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. Further description of exclusion | Reference Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision Appendix 5 Revenue cap decision Exclusion applied by ElectraNet in line with historical practice Exclusion applied by ElectraNet in line with historical practice Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision Reference Appendix 5 Revenue cap decision Exclusion applied by ElectraNet in line with historical practice |
| 3.1 3.2 3.3 3.4 3.5 3.6 3.7 4.1 4.2 4.3 | Measure 3- Loss of supply event frequency (>1.0 s Defined exclusions 1 Successful reclose events (<1 minute duration) | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. system minutes) Further description of exclusion Any outages caused by a '3rd party system' eg. intertrip signals, generator outage, customer installation, customer request or <i>NEMMCO</i> direction. For supply outages resulting from an interconnector outage, the Period of the Interruption is capped at half an hour. This is done to include the impact of automatic under-frequency load shedding, but to exclude the impact of any market failure to respond and restore load within required timeframes (ie. excluding factors outside of ElectraNet's control). Pumping station supply interruptions were excluded from historical data due to the highly irregular nature of these loads, which makes accurate estimation of load profiles unreliable. Where ElectraNet protection operates incorrectly ahead of 3rd party protection, the portion of customer load that would have been lost had ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. Further description of exclusion Any outages shown to be caused by a '3rd party system' eg. intertrip signals, generator outage, customer installation, customer requess | Reference Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision Appendix 5 Revenue cap decision Exclusion applied by ElectraNet in line with historical practice Exclusion applied by ElectraNet in line with historical practice Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision Reference Appendix 5 Revenue cap decision Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision Exclusion applied by ElectraNet in line with historical practice Exclusion applied by ElectraNet in line with historical practice Exclusion applied by ElectraNet in line with historical practice Exclusion applied by ElectraNet in line |
| 3.1 3.2 3.3 3.4 3.5 3.6 3.7 4.1 4.2 4.3 | Measure 3- Loss of supply event frequency (>1.0 s Defined exclusions 1 Successful reclose events (<1 minute duration) | been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. system minutes) Further description of exclusion Any outages caused by a '3rd party system' eg. intertrip signals, generator outage, customer installation, customer request or NEMMCO direction. For supply outages resulting from an interconnector outage, the Period of the Interruption is capped at half an hour. This is done to include the impact of automatic under-frequency load shedding, but to exclude the impact of any market failure to respond and restore load within required timeframes (ie. excluding factors outside of ElectraNet's control). Pumping station supply interruptions were excluded from historical data due to the highly irregular nature of these loads, which makes accurate estimation of load profiles unreliable. Where ElectraNet protection operates incorrectly ahead of 3rd party protection, the portion of customer load that would have been lost had ElectraNet protection no operated is removed from the total lost load. Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded. Further description of exclusion Any outages shown to be caused by a '3rd party system' eg. intertrip signals, generator outage, customer installation, customer reques or NEMMCO direction. | Reference Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision Appendix 5 Revenue cap decision Exclusion applied by ElectraNet in line with historical practice Exclusion applied by ElectraNet in line with historical practice Exclusion applied by ElectraNet in line with historical practice Appendix 5 Revenue cap decision Reference Appendix 5 Revenue cap decision Exclusion applied by ElectraNet in line with historical practice Exclusion applied by ElectraNet in line with historical practice Exclusion applied by ElectraNet in line with historical practice tExclusion applied by ElectraNet in line with historical practice |

4.4 Planned outages.

4.6 Force majeure

4.5 Interconnector outages supply interruptions

 Appendix 5 Revenue cap decision

 For supply outages resulting from an interconnector outage, the Period of the Interruption is capped at half an hour. This is done to include the impact of automatic under-frequency load shedding, but to exclude the impact of any market failure to respond and restore
 Exclusion applied by ElectraNet in line

 load within required timeframes (ie. excluding factors outside of ElectraNet's control).
 ElectraNet's control).
 ElectraNet's control)

Where ElectraNet protection operates correctly due to a fault on a 3rd party system no lost load is recorded.

Appendix 5 Revenue cap decision