

## 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.

**TransGrid - SERVICE STANDARDS PERFORMANCE**

| Performance Inputs |   |        |        |        |                 |                                  |                               |
|--------------------|---|--------|--------|--------|-----------------|----------------------------------|-------------------------------|
| S                  | Performance parameter                               | Collar | Target | Cap    | Revenue at Risk | Performance (Without exclusions) | Performance (With exclusions) |
| S1                 | Transmission line availability                      | 99.05% | 99.26% | 99.36% | 0.20%           | 98.44%                           | 98.59%                        |
| S2                 | Transformer availability                            | 97.33% | 98.61% | 98.89% | 0.15%           | 98.32%                           | 98.32%                        |
| S3                 | Reactive plant availability                         | 98.65% | 99.12% | 99.33% | 0.10%           | 95.28%                           | 95.28%                        |
| S4                 | Loss of supply event frequency >0.05 system minutes | 4      | 2      | 1      | 0.250%          | 0                                | 0                             |
| S5                 | Loss of supply event frequency >0.25 system minutes | 2      | 1      | 0      | 0.100%          | 0                                | 0                             |
| S6                 | Average outage duration                             | 999    | 824    | 649    | 0.200%          | 2868                             | 2758.31                       |

| Revenue Determination Inputs    |                   |
|---------------------------------|-------------------|
| TNSP:                           | TransGrid         |
| STPIS version:                  | March, 2008       |
| Regulatory Determination        | 2009/10 - 2013/14 |
| Transitional year               | 2014/15           |
| Base Year Allowed Revenue       | \$678,400,000     |
| Base Year                       | 2009-10           |
| X-factor                        | -5.61%            |
| Commencement of regulatory year | 1-Jul-09          |

| Other inputs                      |                 |
|-----------------------------------|-----------------|
| Assessment Period                 | 1H 2015         |
| Financial year to affect revenue: | 2016/17         |
| Date prepared:                    | 13 January 2016 |
| Revision date:                    |                 |
| Network information               |                 |
| No of circuits                    | 209.67          |
| No of transformers                | 185.00          |
| No of reactive plant              | 137.00          |

| Average outage duration information - performance without exclusions |        |
|--|--------|
| Number of events   | 91     |
| Total unplanned outage duration (system-minutes)                     | 260987 |

| Average outage duration information - performance with exclusions |        |
|---|--------|
| Number of excluded connection point events                        | 4      |
| Total unplanned outage duration (system-minutes)                  | 239973 |
| Total number of connection point events                           | 87     |

| Other Inputs                  |        |        |        |        |        |        |
|-------------------------------|--------|--------|--------|--------|--------|--------|
| Annual revenue adjusted for C | Mar-09 | Mar-10 | Mar-11 | Mar-12 | Mar-13 | Mar-14 |
| CPI (old base)                | 166.2  | 171.0  | 176.7  | 179.5  |        |        |
| CPI (new base)                | 92.5   | 95.2   | 98.3   | 99.9   | 102.4  | 105.4  |

**NOTE:**

Pink cells - Performance without exclusions input cells

Orange cells - Performance with exclusions input cells

Green cells - Other inputs

Blue cells - Inputs sourced from the revenue determination

Performance is based on a calendar year or the proportion of a calendar year that applies in each regulatory period.



|    |                             |        |   |  |            |          |            |          |         |  |       |                                 |  |
|----|-----------------------------|--------|---|--|------------|----------|------------|----------|---------|--|-------|---------------------------------|--|
| S1 |                             | 185191 | 132kV Transmission Line 996 outage to conduct work requested by Essential Energy.   | Request from Essential Energy.                                       | 1/04/2015  | 10:39:00 | 1/04/2015  | 10:52:00 | 0.217   | 996 Wagga 330 - ANM tee Morven 132kV TL              | 0.000 | Exclusion 1.2 Third party event | Excluded Outage 185191 - 132kV TL 996 - 01_04_2015.msg                           |
| S1 |                             | 185192 | 132kV Transmission Line 996 outage to conduct work requested by Essential Energy.   | Request from Essential Energy.                                       | 1/04/2015  | 11:37:00 | 1/04/2015  | 12:01:00 | 0.400   | 996 Wagga 330 - ANM tee Morven 132kV TL              | 0.000 | Exclusion 1.2 Third party event | Excluded Outage 185192 - 132kV TL 996 - 01_04_2015.msg                           |
| S1 |                             | 186235 | 132kV Transmission Line 922 outage to conduct work requested by Ausgrid.  | Request from Ausgrid.  | 12/04/2015 | 15:56:00 | 16/04/2015 | 18:23:00 | 98.450  | 922 Sydney North - Sydney East tee Mt Colah 132kV TL | 0.000 | Exclusion 1.2 Third party event | Excluded Outage 186235 - 132kV TL 922 - 12_04_2015.msg                           |
| S1 |                             | 185541 | 330kV Transmission Line L3 outage to conduct work requested by Snowy Hydro.   | Request from Snowy Hydro.  | 20/04/2015 | 7:36:00  | 22/04/2015 | 15:19:00 | 55.717  | L3 Lower Tumut - Tumut 3 330kV TL                    | 0.000 | Exclusion 1.2 Third party event | Excluded Outage 185541 - 330kV TL L3 - 20_04_2015.msg                            |
| S1 |                             | 187273 | 132kV Transmission Line 94M outage to conduct work requested by Essential Energy.   | Request from Essential Energy.                                       | 30/04/2015 | 7:45:00  | 30/04/2015 | 17:29:00 | 9.733   | 94M Mt Piper 132 - Beryl tee Mudgee 132kV TL         | 0.000 | Exclusion 1.2 Third party event | Excluded Outage 187273 - 132kV TL 94M - 30_04_2015.msg                           |
| S1 |                             | 185365 | 330kV Transmission Line 23 outage to conduct SRAS test work.  | Request from Snowy Hydro (including on behalf of Delta Electricity). | 1/05/2015  | 7:11:00  | 1/05/2015  | 17:12:00 | 10.017  | 23 Munmorah - Vales Point 330kV TL                   | 0.000 | Exclusion 1.2 Third party event | Excluded Outage 185365 - 330kV TL 23 - 01_05_2015.msg                            |
| S1 |                             | 187812 | 132kV Transmission Line 97L outage to conduct work requested by Snowy Hydro.  | Request from Snowy Hydro.  | 4/05/2015  | 11:47:00 | 4/05/2015  | 15:28:00 | 3.683   | 97L Guthega - Jindabyne Pumps 132kV TL               | 0.000 | Exclusion 1.2 Third party event | Excluded Outage 187812 - 132kV TL 97L - 04_05_2015.msg                           |
| S1 |                             | 188633 | 132kV Transmission Line 92Z outage to conduct HV circuit breaker testing work requested by Ausgrid.   | Request from Ausgrid.  | 13/05/2015 | 19:13:00 | 14/05/2015 | 19:42:00 | 24.483  | 92Z Sydney North - Sydney East tee Mt Colah 132kV TL | 0.000 | Exclusion 1.2 Third party event | Excluded Outage 188633 - 132kV TL 92Z - 13_05_2015.msg                           |
| S1 |                             | 187693 | 330kV Transmission Line M9 outage to conduct work requested by Snowy Hydro.   | Request from Snowy Hydro.  | 14/05/2015 | 12:33:00 | 21/05/2015 | 13:23:00 | 168.833 | M9 Murray - Murray 1 330kV TL                        | 0.000 | Exclusion 1.2 Third party event | Excluded Outage 187693 - 330kV TL M9 - 14_05_2015.msg                            |
| S1 |                             | 188987 | 132kV Transmission Line 94P outage to conduct work requested by Essential Energy.   | Request from Essential Energy.                                       | 15/05/2015 | 8:20:00  | 15/05/2015 | 12:43:00 | 4.383   | 96P Taree - Stroud 132kV TL                          | 0.000 | Exclusion 1.2 Third party event | Excluded Outage 188987 - 132kV TL 96P - 15_05_2015.msg                           |
| S1 |                             | 188345 | 132kV Transmission Line 9C8 outage to conduct work requested by Ausgrid.  | Request from Ausgrid.  | 25/05/2015 | 6:51:00  | 25/05/2015 | 16:38:00 | 9.783   | 9C8 Brandy Hill - Stroud 132kV TL                    | 0.000 | Exclusion 1.2 Third party event | Excluded Outage 188345 - 132kV TL 9C8 - 25_05_2015.msg                           |
| S1 |                             | 188498 | 330kV Transmission Line 14 outage to conduct work requested by Endeavour Energy.  | Request from Endeavour Energy.                                       | 28/05/2015 | 6:02:00  | 28/05/2015 | 17:11:00 | 11.150  | 14 Sydney North - Kemps Creek 330kV TL               | 0.000 | Exclusion 1.2 Third party event | Excluded Outage 188498 - 330kV TL 14 - 28_05_2015.msg                            |
| S1 |                             | 190208 | 132kV Transmission Line 96F outage for maintenance and test work requested by Essential Energy.   | Request from Essential Energy.                                       | 10/06/2015 | 10:25:00 | 10/06/2015 | 15:50:00 | 5.417   | 96F Stroud - Tomago 330 132kV TL                     | 0.000 | Exclusion 1.2 Third party event | Excluded Outage 190208 - 132kV TL 96F - 10_06_2015.msg                           |
| S1 |                             | 190215 | 132kV Transmission Line 9C8 outage to conduct maintenance work requested by Essential Energy.   | Request from Essential Energy.                                       | 18/06/2015 | 8:12:00  | 18/06/2015 | 16:06:00 | 7.900   | 9C8 Brandy Hill - Stroud 132kV TL                    | 0.000 | Exclusion 1.2 Third party event | Excluded Outage 190215 - 132kV TL 9C8 - 18_06_2015.msg                           |
| S1 |                             | 190601 | 132kV Transmission Line 97L outage to conduct work requested by Snowy Hydro.  | Request from Snowy Hydro.  | 19/06/2015 | 10:18:00 | 19/06/2015 | 13:41:00 | 3.383   | 97L Guthega - Jindabyne Pumps 132kV TL               | 0.000 | Exclusion 1.2 Third party event | Excluded Outage 190601 - 132kV TL 97L - 19_06_2015.msg                           |
| S1 |                             | 193981 | 330kV Transmission Line 18 outage to conduct work requested by Endeavour Energy.  | Request from Endeavour Energy.                                       | 29/06/2015 | 7:31:00  | 29/06/2015 | 16:40:00 | 9.150   | 18 Dapto - Kangaroo Valley 330kV TL                  | 0.000 | Exclusion 1.2 Third party event | Excluded Outage 193981 - 330kV TL 18 - 29_06_2015.msg                            |
| S1 |                             | 190603 | 132kV Transmission Line 097B outage to conduct work requested by Snowy Hydro.   | Request from Snowy Hydro.  | 29/06/2015 | 7:53:00  | 9/07/2015  | 15:51:00 | 247.967 | 097B Tumut - Blowering 132kV TL                      | 0.000 | Exclusion 1.2 Third party event | Excluded Outage 190603 - 132kV TL 097B - 29_06_2015.msg                          |
| S1 |                             | 181253 | 330kV Transmission Line M1 unplanned outage due to LV cabling fault in Snowy Hydro system.  | Snowy Hydro equipment fault.   | 8/01/2015  | 13:29:00 | 9/01/2015  | 18:27:00 | 28.967  | M1 Murray - Murray 1 330kV TL                        | 0.000 | Exclusion 1.2 Third party event | Excluded Outage 181253 - 330kV TL M1 - 08_01_2015.pdf                            |
| S1 |                             | 187695 | 330kV Transmission Line 14 unplanned outage due to high volts occurring across open bonds due to induction, during work undertaken by Endeavour Energy on an 11kV cable below Transmission Line 14. | Short notice request from Endeavour Energy.                          | 27/04/2015 | 14:33:00 | 27/04/2015 | 14:58:00 | 0.417   | 14 Sydney North - Kemps Creek 330kV TL               | 0.000 | Exclusion 1.2 Third party event | Excluded Outage 187695 - 330kV TL 14 - 27_04_2015.pdf                            |
| S1 |                             | 188199 | 330kV Transmission Line 77 unplanned outage caused by faulty multi trip relay on Wallerawang Power Station generator protection.  | EnergyAustralia equipment fault.                                     | 4/05/2015  | 9:29:00  | 4/05/2015  | 15:34:00 | 6.083   | 77 Wallerawang - Ingleburn 330kV TL                  | 0.000 | Exclusion 1.2 Third party event | Excluded Outage 188199 - 330kV TL 77 - 04_05_2015.msg                            |
| S1 |                             | 190372 | 330kV Transmission Line L1 unplanned outage due to busbar failure in Snowy Hydro system.  | Snowy Hydro equipment fault.   | 29/05/2015 | 12:32:00 | 30/05/2015 | 16:24:00 | 27.867  | L1 Lower Tumut - Tumut 3 330kV TL                    | 0.000 | Exclusion 1.2 Third party event | Excluded Outage 190372 - 330kV TL L1 - 29_05_2015.msg                            |
| S1 |                             |        |   |  |            |          |            |          | 0.000   |  | 0.000 |                                 |  |
| S2 | Transformer availability    | 181874 | 132/33/11kV Transformer No.1 outage at Muryang Substation to conduct equipment replacement work requested by Essential Energy.  | Request from Essential Energy.                                       | 20/01/2015 | 8:05:00  | 20/01/2015 | 15:58:00 | 7.883   | Muryang No.1 Transformer 132/33/11kV                 | 0.000 | Exclusion 1.2 Third party event | Excluded Outage 181874 - 132kV Muryang TX No.1 - 20_01_2015.msg                  |
| S2 |                             | 181976 | 132/33/11kV Transformer No.2 outage at Muryang Substation to conduct maintenance work requested by Essential Energy.  | Request from Essential Energy.                                       | 21/01/2015 | 9:02:00  | 21/01/2015 | 15:15:00 | 6.217   | Muryang No.2 Transformer 132/33/11kV                 | 0.000 | Exclusion 1.2 Third party event | Excluded Outage 181976 - 132kV Muryang TX No.2 - 21_01_2015.msg                  |
| S2 |                             | 188016 | 330/132/11kV Transformer No.2 outage at Vales Point Substation for SRAS test.   | Request from Snowy Hydro (including on behalf of Delta Electricity). | 1/05/2015  | 8:54:00  | 1/05/2015  | 17:12:00 | 8.300   | Vales Point No.2 Transformer 330/132/11kV            | 0.000 | Exclusion 1.2 Third party event | Excluded Outages 188016 188020 - 330kV TX VP1 No.2 & CAP VP1 No.2-01_05_2015.msg |
| S2 |                             |        |   |  |            |          |            |          | 0.000   |  | 0.000 |                                 |  |
| S2 |                             |        |   |  |            |          |            |          | 0.000   |  | 0.000 |                                 |  |
| S2 |                             |        |   |  |            |          |            |          | 0.000   |  | 0.000 |                                 |  |
| S2 |                             |        |   |  |            |          |            |          | 0.000   |  | 0.000 |                                 |  |
| S2 |                             |        |   |  |            |          |            |          | 0.000   |  | 0.000 |                                 |  |
| S2 |                             |        |   |  |            |          |            |          | 0.000   |  | 0.000 |                                 |  |
| S2 |                             |        |   |  |            |          |            |          | 0.000   |  | 0.000 |                                 |  |
| S2 |                             |        |   |  |            |          |            |          | 0.000   |  | 0.000 |                                 |  |
| S2 |                             |        |   |  |            |          |            |          | 0.000   |  | 0.000 |                                 |  |
| S2 |                             |        |   |  |            |          |            |          | 0.000   |  | 0.000 |                                 |  |
| S2 |                             |        |   |  |            |          |            |          | 0.000   |  | 0.000 |                                 |  |
| S3 | Reactive plant availability | 188020 | No.2 200 MVAr Capacitor outage at Vales Point Substation for SRAS test.   | Request from Snowy Hydro (including on behalf of Delta Electricity). | 1/05/2015  | 8:54:00  | 1/05/2015  | 17:12:00 | 8.300   | Vales Point No.2 Capacitor                           | 0.000 | Exclusion 1.2 Third party event | Excluded Outages 188016 188020 - 330kV TX VP1 No.2 & CAP VP1 No.2-01_05_2015.msg |
| S3 |                             |        |   |  |            |          |            |          | 0.000   |  | 0.000 |                                 |  |
| S3 |                             |        |   |  |            |          |            |          | 0.000   |  | 0.000 |                                 |  |
| S3 |                             |        |   |  |            |          |            |          | 0.000   |  | 0.000 |                                 |  |
| S3 |                             |        |   |  |            |          |            |          | 0.000   |  | 0.000 |                                 |  |
| S3 |                             |        |   |  |            |          |            |          | 0.000   |  | 0.000 |                                 |  |
| S3 |                             |        |   |  |            |          |            |          | 0.000   |  | 0.000 |                                 |  |
| S3 |                             |        |   |  |            |          |            |          | 0.000   |  | 0.000 |                                 |  |

**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.

**TransGrid - Proposed exclusions**

| LOSS OF SUPPLY EVENT FREQUENCY        | Event proposed for exclusion                        | Description of the event and its impact on the network and performance   | Cause of the event                      | Start date                   | Start time | End date                   | End time | Circuits affected                  | Maximum system demand  | Demand shed and time                                   | Quantitative impact                        | Reasons for exclusion request  | Further references   |
|---------------------------------------|---|--|---|------------------------------|------------|----------------------------|----------|------------------------------------|--|--|--|--|--|
| Name of any loss of supply parameters | Name of the event                                   | Detail of the event. Such as: the action of any third parties, the actions of the TNSP, assets damaged or interrupted. | A description of the cause of the event | Start date and time of event |            | End date and time of event |          | Name of circuits or plant affected | The max system demand that occurred up until the time of the event | The (MW) demand shed and the duration it was shed for. | Impact of exclusion event on LOS Parameter | Full details of the reason/s for excluding this event. Should include a reference to the defined exclusions and explain how it meets this exclusion definition (see Exclusion definition tab). Eg. Exclusion 1.2 Third party event | A TNSP may provide further details of an exclusion event. TNSP to provide reference. |
| S4                                    | Loss of supply event frequency >0.05 system minutes |  |   |                              |            |                            |          |                                    |  |  |  |  |  |
| S4                                    |   |  |   |                              |            |                            |          |                                    |  |  |  |  |  |
| S4                                    |   |  |   |                              |            |                            |          |                                    |  |  |  |  |  |
| S4                                    |   |  |   |                              |            |                            |          |                                    |  |  |  |  |  |
| S4                                    |   |  |   |                              |            |                            |          |                                    |  |  |  |  |  |
| S5                                    | Loss of supply event frequency >0.25 system minutes |  |   |                              |            |                            |          |                                    |  |  |  |  |  |
| S5                                    |   |  |   |                              |            |                            |          |                                    |  |  |  |  |  |
| S5                                    |   |  |   |                              |            |                            |          |                                    |  |  |  |  |  |
| S5                                    |   |  |   |                              |            |                            |          |                                    |  |  |  |  |  |
| S5                                    |   |  |   |                              |            |                            |          |                                    |  |  |  |  |  |

**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.

**TransGrid - Proposed exclusions**

| AVERAGE OUTAGE DURATION                        | Event proposed for exclusion | Description of the event and its impact on the network and performance  | Cause of the event                          | Start date                   | Start time | End date                   | End time | Circuits affected                      | Quantitative impact                        | Capped impact (if applicable)                     | Reasons for exclusion request  | Further references   |
|--|------------------------------|---|---|------------------------------|------------|----------------------------|----------|--|--|---|--|--|
| Name of any average outage duration parameters | Name of the event            | Detail of the event. Such as: the action of any third parties, the actions of the TNSP, assets damaged or interrupted.  | A description of the cause of the event     | Start date and time of event |            | End date and time of event |          | Name of circuits or plant affected     | Impact of exclusion event on AOD Parameter | Impact of capped exclusion event on AOD parameter | Full details of the reason for excluding this event. Should include a reference to the defined exclusions and explain how it meets this exclusion definition (see Exclusion definition tab). Eg. Exclusion 1.2 Third party event | A TNSP may provide further details of an exclusion event. TNSP to provide reference. |
| S6   | 181253                       | 330kV Transmission Line M1 unplanned outage due to LV cabling fault in Snowy Hydro system.  | Snowy Hydro equipment fault.                | 2015-01-08                   | 13:29:00   | 9/01/2015                  | 18:27:00 | M1 Murray - Murray 1 330kV TL          | 1738.000                                   |   | Exclusion 1.2 Third party event  | Excluded Outage 181253 - 330kV TL M1 - 08_01_2015.pdf                                |
| S6   | 187695                       | 330kV Transmission Line 14 unplanned outage due to high volts occurring across open bonds due to induction, during work undertaken by Endeavour Energy on an 11kV cable below Transmission Line 14. | Short notice request from Endeavour Energy. | 2015-04-27                   | 14:33:00   | 27/04/2015                 | 14:58:00 | 14 Sydney North - Kemps Creek 330kV TL | 25.000                                     |   | Exclusion 1.2 Third party event  | Excluded Outage 187695 - 330kV TL 14 - 27_04_2015.pdf                                |
| S6   | 188199                       | 330kV Transmission Line 77 unplanned outage caused by multi trip relay on Wallerawang Power Station generator protection.   | EnergyAustralia equipment fault.            | 2015-05-04                   | 9:29:00    | 4/05/2015                  | 15:34:00 | 77 Wallerawang - Ingleburn 330kV TL    | 365.000                                    |   | Exclusion 1.2 Third party event  | Excluded Outage 188199 - 330kV TL 77 - 04_05_2015.msg                                |
| S6   | 190372                       | 330kV Transmission Line L1 unplanned outage due to busbar failure in Snowy Hydro system.  | Snowy Hydro equipment fault.                | 2015-05-29                   | 12:32:00   | 30/05/2015                 | 16:24:00 | L1 Lower Tumut - Tumut 3 330kV TL      | 1672.000                                   |   | Exclusion 1.2 Third party event  | Excluded Outage 190372 - 330kV TL L1 - 29_05_2015.msg                                |
| S6   |                              |   |   |                              |            |                            |          |  | 0.000                                      |   |  |  |
| S6   |                              |   |   |                              |            |                            |          |  | 0.000                                      |   |  |  |
| S6   |                              |   |   |                              |            |                            |          |  | 0.000                                      |   |  |  |
| S6   |                              |   |   |                              |            |                            |          |  | 0.000                                      |   |  |  |
| S6   |                              |   |   |                              |            |                            |          |  | 0.000                                      |   |  |  |

**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.

## TransGrid - S1 - Transmission line availability

| Performance Targets            | Graph start | Collar | Target | Cap    | Graph end |
|--------------------------------|-------------|--------|--------|--------|-----------|
| Transmission line availability | 98.90%      | 99.05% | 99.26% | 99.36% | 99.60%    |
| Weighting                      | -0.20%      | -0.20% | 0.00%  | 0.20%  | 0.20%     |

| Performance Formulae | Formulae |           |   |              | Conditions |           |        |   | S- Calc 1    | S- Calc 2 |        |           |           |
|----------------------|----------|-----------|---|--------------|------------|-----------|--------|---|--------------|-----------|--------|-----------|-----------|
| Performance          | =        | -0.002000 |   |              |            |           |        |   |              |           |        |           |           |
|                      | =        | 0.952381  | x | Availability | +          | -0.945333 | 99.05% | ≤ | Availability | ≤         | 99.26% | -0.007765 | -0.006372 |
|                      | =        | 2.000000  | x | Availability | +          | -1.985200 | 99.26% | ≤ | Availability | ≤         | 99.36% | -0.016307 | -0.013382 |
|                      | =        | 0.002000  |   |              |            |           | 99.36% | < | Availability |           |        | 0.002000  | 0.002000  |

| Performance Outcomes           |   | Performance (Without Exclusions) | Performance (Exclusions) |
|--------------------------------|---|----------------------------------|--------------------------|
| Transmission line availability | = | 98.444639%                       | 98.590891%               |
| S-Factor                       | = | -0.200000%                       | -0.200000%               |

### NOTE:

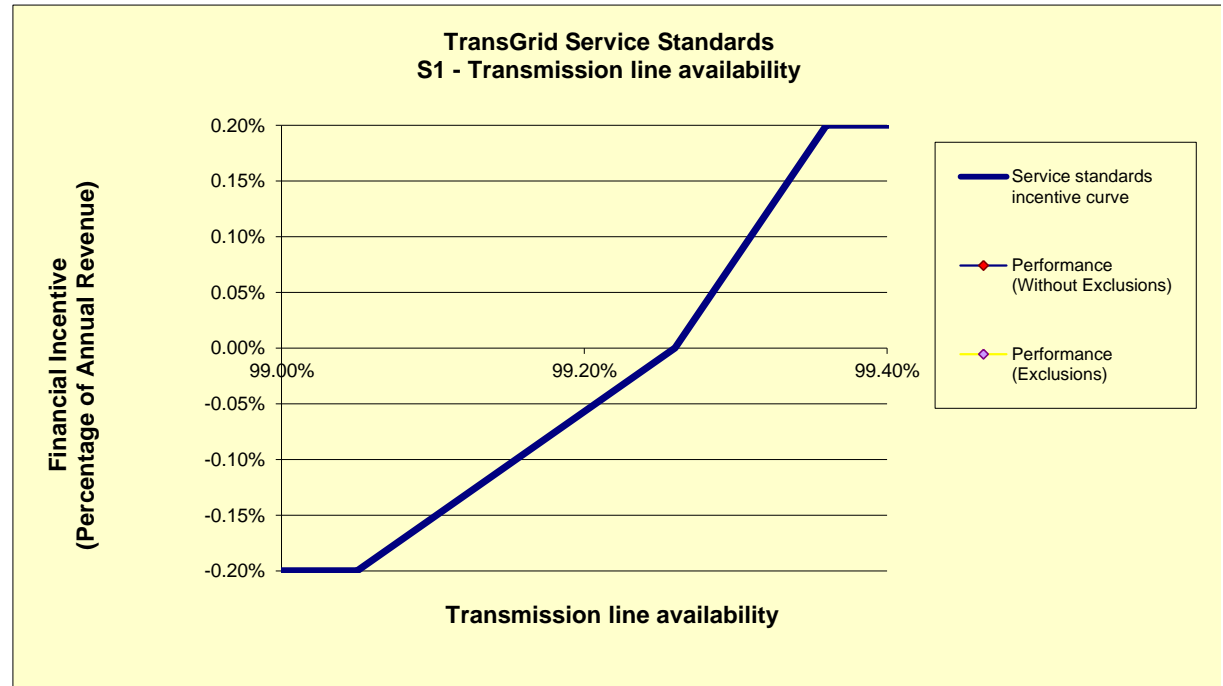
This sheet will automatically update based on data in input sheets

Blue cells show the TNSP's performance targets and weightings

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

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

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



## TransGrid - S2 - Transformer availability

| Performance Targets      | Graph start | Collar | Target | Cap    | Graph end |
|--------------------------|-------------|--------|--------|--------|-----------|
| Transformer availability | 97.10%      | 97.33% | 98.61% | 98.89% | 99.10%    |
| Weighting                | -0.15%      | -0.15% | 0.00%  | 0.15%  | 0.15%     |

| Performance Formulae | Formulae |           |   |              |   | Conditions |              |   | S- Calc 1    | S- Calc 2 |           |           |           |
|----------------------|----------|-----------|---|--------------|---|------------|--------------|---|--------------|-----------|-----------|-----------|-----------|
| Performance          | =        | -0.001500 |   |              |   | When:      | Availability | < | 97.33%       | -0.001500 | -0.001500 |           |           |
|                      | =        | 0.117188  | x | Availability | + | -0.115559  | 97.33%       | ≤ | Availability | ≤         | 98.61%    | -0.000338 | -0.000335 |
|                      | =        | 0.535714  | x | Availability | + | -0.528268  | 98.61%       | ≤ | Availability | ≤         | 98.89%    | -0.001547 | -0.001532 |
|                      | =        | 0.001500  |   |              |   |            | 98.89%       | < | Availability |           |           | 0.001500  | 0.001500  |

| Performance Outcomes     |   | Performance (Without Exclusions) | Performance (Exclusions) |
|--------------------------|---|----------------------------------|--------------------------|
| Transformer availability | = | 98.321204%                       | 98.323953%               |
| S-Factor                 | = | -0.033843%                       | -0.033521%               |

### NOTE:

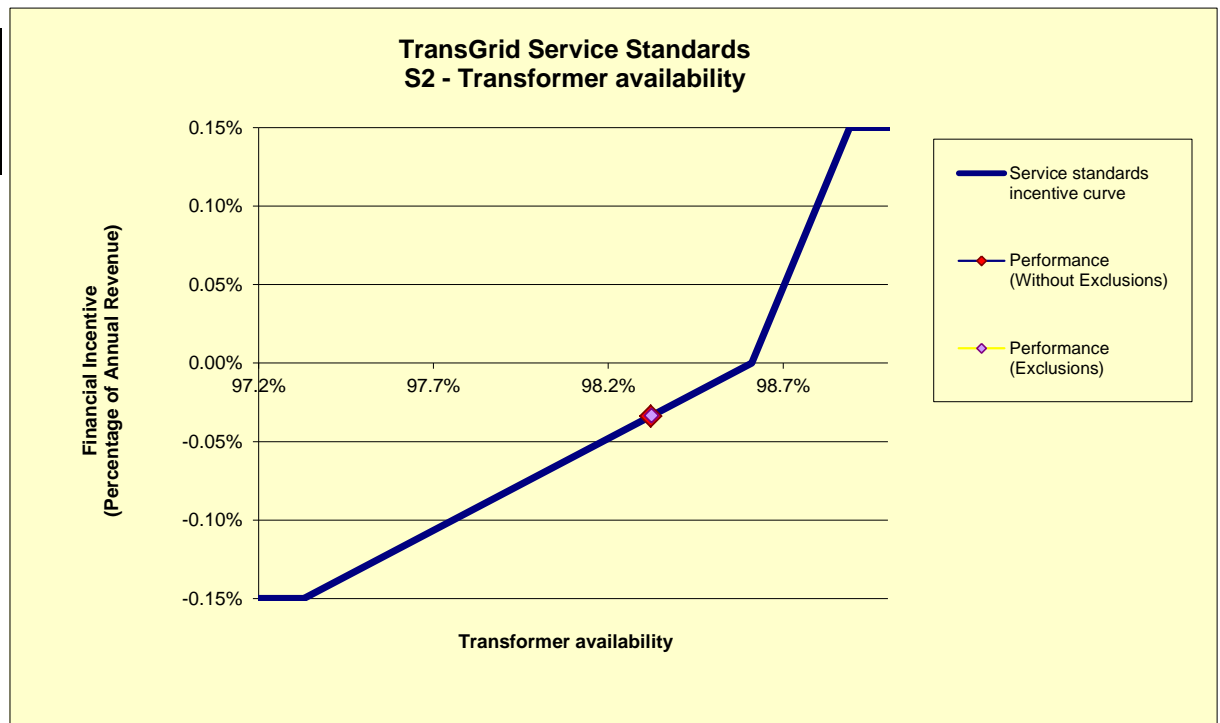
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Yellow/Green cells show the TNSP's performance formulae and related formula conditions based on performance targets and weightings

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

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





## TransGrid - S3 - Reactive plant availability

| Performance Targets         | Graph start | Collar | Target | Cap    | Graph end |
|-----------------------------|-------------|--------|--------|--------|-----------|
| Reactive plant availability | 98.50%      | 98.65% | 99.12% | 99.33% | 99.50%    |
| Weighting                   | -0.10%      | -0.10% | 0.00%  | 0.10%  | 0.10%     |

| Performance Formulae | Formulae |           |   |              |   | Conditions |              |   | S- Calc 1    | S- Calc 2 |           |           |           |
|----------------------|----------|-----------|---|--------------|---|------------|--------------|---|--------------|-----------|-----------|-----------|-----------|
| Performance          | =        | -0.001000 |   |              |   | When:      | Availability | < | 98.65%       | -0.001000 | -0.001000 |           |           |
|                      | =        | 0.212766  | x | Availability | + | -0.210894  | 98.65%       | ≤ | Availability | ≤         | 99.12%    | -0.008175 | -0.008172 |
|                      | =        | 0.476190  | x | Availability | + | -0.472000  | 99.12%       | ≤ | Availability | ≤         | 99.33%    | -0.018296 | -0.018290 |
|                      | =        | 0.001000  |   |              |   |            | 99.33%       | < | Availability |           |           | 0.001000  | 0.001000  |

| Performance Outcomes        |   | Performance (Without Exclusions) | Performance (Exclusions) |
|-----------------------------|---|----------------------------------|--------------------------|
| Reactive plant availability | = | 95.277781%                       | 95.279174%               |
| S-Factor                    | = | -0.100000%                       | -0.100000%               |

### NOTE:

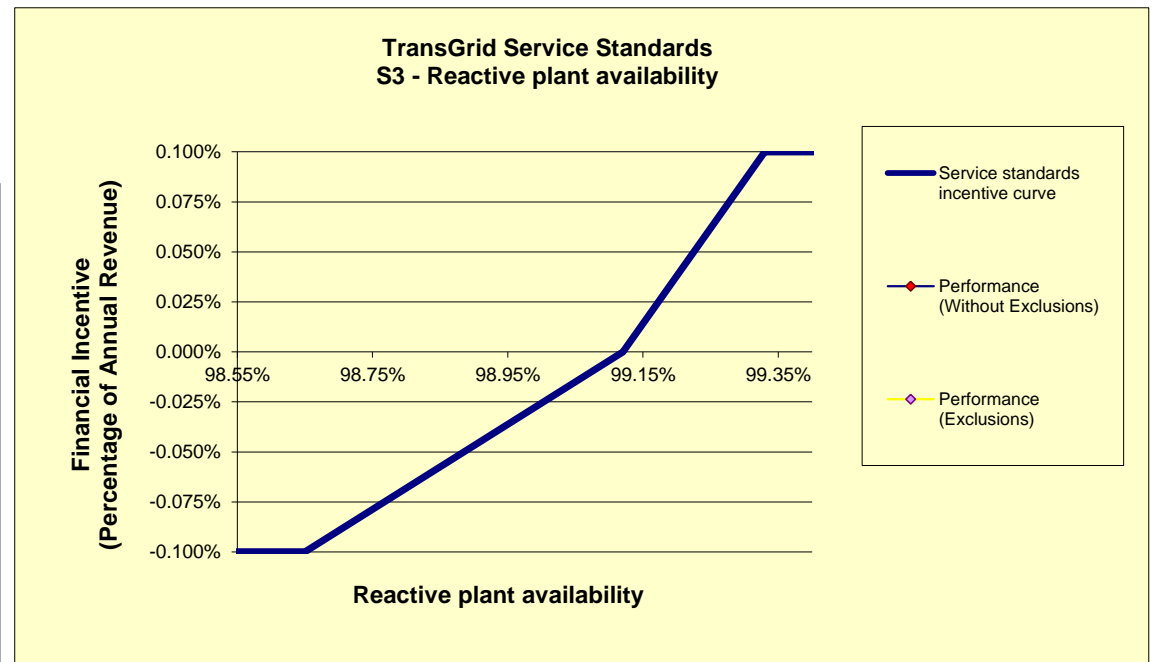
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## TransGrid - S4 - Loss of supply event frequency >0.05 system minutes

| Performance Targets                                 | Graph start | Collar  | Target | Cap    | Graph end |
|---|-------------|---------|--------|--------|-----------|
| Loss of supply event frequency >0.05 system minutes | 6           | 4       | 2      | 1      | -         |
| Weighting   | -0.25%      | -0.250% | 0.00%  | 0.250% | 0.25%     |

| Performance Formulae | Formulae |           |   |               | Conditions        | S- Calc 1             | S- Calc 2 |          |
|----------------------|----------|-----------|---|---------------|-------------------|-----------------------|-----------|----------|
| Performance          | =        | -0.002500 |   |               | 4 < No. of events | -0.002500             | -0.002500 |          |
|                      | =        | -0.001250 | x | No. of events | + 0.002500        | 2 ≤ No. of events ≤ 4 | 0.002500  | 0.002500 |
|                      | =        | -0.002500 | x | No. of events | + 0.005000        | 1 ≤ No. of events ≤ 2 | 0.005000  | 0.005000 |
|                      | =        | 0.002500  |   |               | No. of events < 1 | 0.002500              | 0.002500  |          |

| Loss of supply event frequency >0.05 system minutes | = | Performance (Without Exclusions) | Performance (Exclusions) |
|---|---|----------------------------------|--------------------------|
| Loss of supply event frequency >0.05 system minutes | = | 0                                | 0                        |
| S-Factor  |   | 0.250000%                        | 0.250000%                |

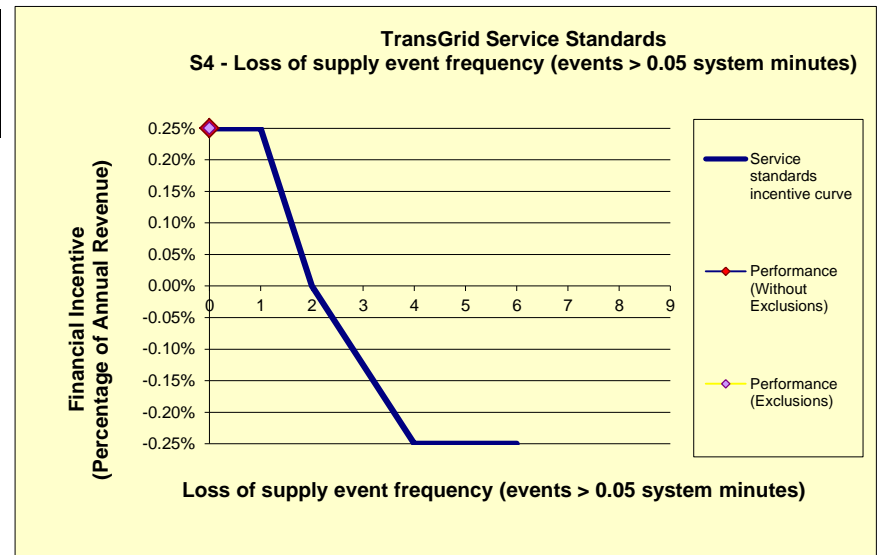
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## TransGrid - S5 - Loss of supply event frequency >0.25 system minutes

| Performance Targets                                 | Graph start | Collar  | Target | Cap    | Graph end |
|---|-------------|---------|--------|--------|-----------|
| Loss of supply event frequency >0.25 system minutes | 4           | 2       | 1      | #####  | #####     |
| Weighting   | -0.10%      | -0.100% | 0.00%  | 0.100% | 0.10%     |

| Performance Formulae | Formulae |           |   |               | Conditions        | S- Calc 1             | S- Calc 2 |          |
|----------------------|----------|-----------|---|---------------|-------------------|-----------------------|-----------|----------|
| Performance          | =        | -0.001000 |   |               | 2 < No. of events | -0.001000             | -0.001000 |          |
|                      | =        | -0.001000 | x | No. of events | + 0.001000        | 1 ≤ No. of events ≤ 2 | 0.001000  | 0.001000 |
|                      | =        | -0.001000 | x | No. of events | + 0.001000        | 0 ≤ No. of events ≤ 1 | 0.001000  | 0.001000 |
|                      | =        | 0.001000  |   |               | No. of events = 0 | 0.001000              | 0.001000  |          |

| Loss of supply event frequency >0.25 system minutes | = | Performance (Without Exclusions) | Performance (Exclusions) |
|---|---|----------------------------------|--------------------------|
| Loss of supply event frequency >0.25 system minutes | = | 0                                | 0                        |
| S-Factor  |   | 0.100000%                        | 0.100000%                |

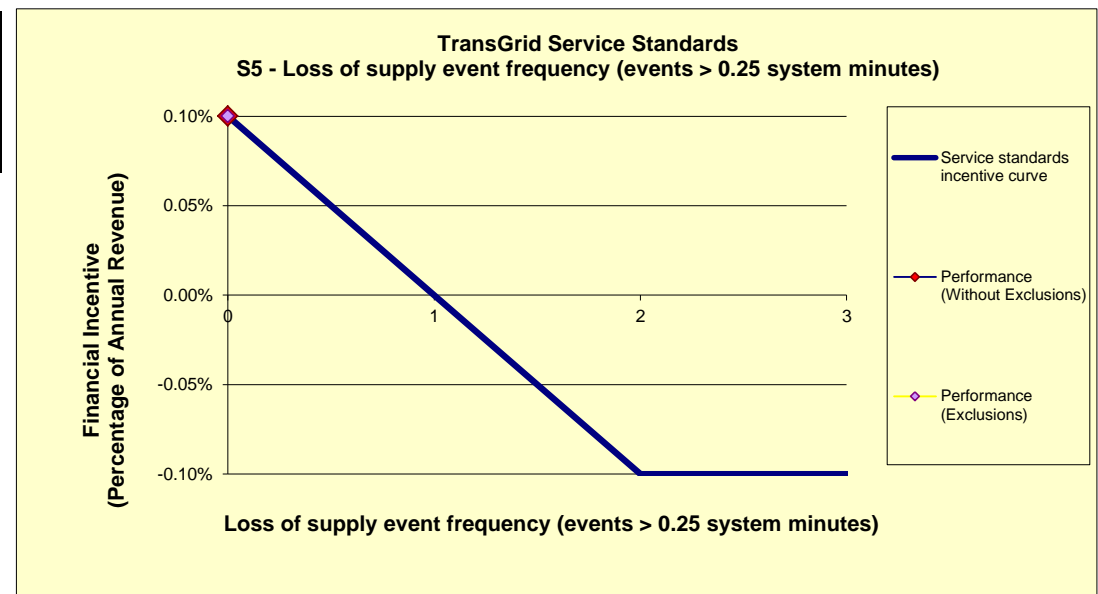
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## TransGrid - S6 - Average outage duration

| Performance Targets     | Graph start | Collar  | Target | Cap    | Graph end |
|-------------------------|-------------|---------|--------|--------|-----------|
| Average outage duration | 1,199       | 999     | 824    | 649    | -         |
| Weighting               | -0.20%      | -0.200% | 0.00%  | 0.200% | 0.20%     |

| Performance Formulae | Formulae |           |   |          |   |          | Conditions |   |          | S- Calc 1 | S- Calc 2 |           |           |
|----------------------|----------|-----------|---|----------|---|----------|------------|---|----------|-----------|-----------|-----------|-----------|
| Performance          | =        | -0.002000 |   |          |   |          | 999        | < | Duration |           | -0.002000 | -0.002000 |           |
|                      | =        | -0.000011 | x | Duration | + | 0.009417 | 824        | ≤ | Duration | ≤         | 999       | -0.023360 | -0.022106 |
|                      | =        | -0.000011 | x | Duration | + | 0.009417 | 649        | ≤ | Duration | ≤         | 824       | -0.023360 | -0.022106 |
|                      | =        | 0.002000  |   |          |   |          |            |   | Duration | <         | 649       | 0.002000  | 0.002000  |

| Average outage duration | = | Performance (Without Exclusions) | Performance (Exclusions) |
|-------------------------|---|----------------------------------|--------------------------|
| Average outage duration | = | 2867.989848                      | 2758.313725              |
| S-Factor                | = | -0.200000%                       | -0.200000%               |

### NOTE:

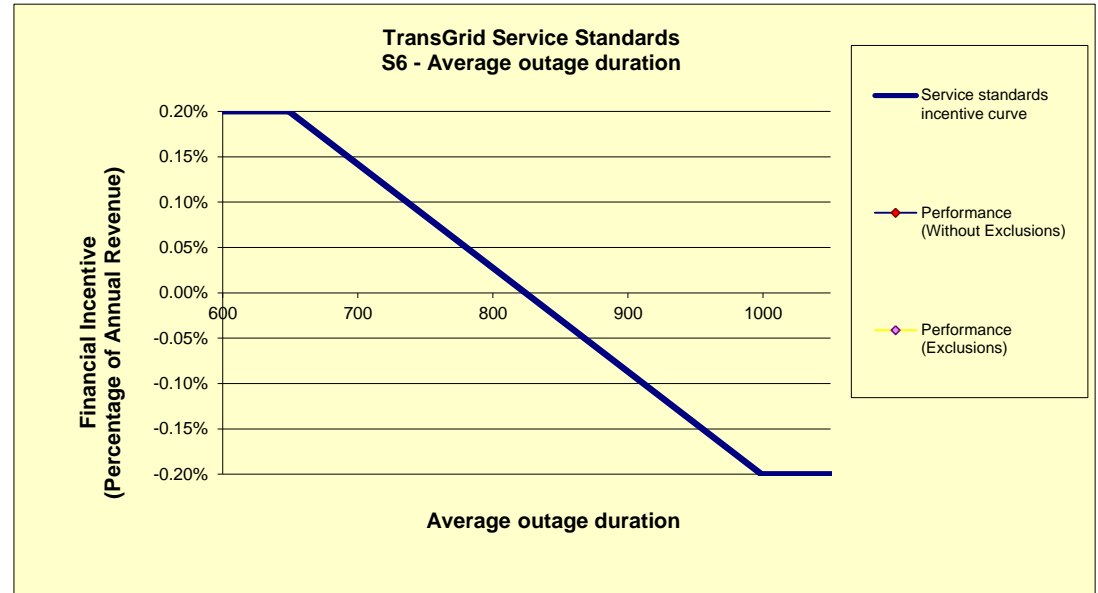
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## TransGrid - Revenue Calculation

| <b>Revenue cap information</b>    |               |
|-----------------------------------|---------------|
| Base year allowed revenue         | \$678,400,000 |
| Base year                         | 2009-10       |
| X-factor                          | -5.61%        |
| Commencement of regulatory period | 1-Jul-09      |

| <b>Annual revenue adjusted for CPI</b> | <b>Mar-09</b> | <b>Mar-10</b> | <b>Mar-11</b> | <b>Mar-12</b> | <b>Mar-13</b> | <b>Mar-14</b> |
|--|---------------|---------------|---------------|---------------|---------------|---------------|
| CPI                                    | 166.2         | 171.0         | 176.7         | 179.5         | -             | -             |
| CPI                                    | 92.5          | 95.2          | 98.3          | 99.9          | 102.4         | 105.4         |

Transitional year

| <b>Nominal annual revenue</b> | <b>2009-10</b> | <b>2010-11</b> | <b>2011-12</b> | <b>2012-13</b> | <b>2013-14</b> | <b>2014-15</b> |
|-------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Allowed Revenue               | \$678,400,000  | \$737,150,175  | \$804,454,443  | \$863,046,907  | \$934,273,244  | \$845,390,768  |

| <b>Calendar year revenue</b> | <b>2H 2009</b> | <b>2010</b>   | <b>2011</b>   | <b>2012</b>   | <b>2013</b>   | <b>2014</b>   |
|------------------------------|----------------|---------------|---------------|---------------|---------------|---------------|
| Revenue                      | \$339,200,000  | \$707,775,087 | \$770,802,309 | \$833,750,675 | \$898,660,076 | \$889,832,006 |

### NOTE:

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

Grey cells show calendar year revenue

Green cells are for formula

## TransGrid - Performance outcomes

Revenue calendar year

\$422,695,384

| S             | Performance parameter                               | Target | Performance without exclusions |            |                 | Performance with exclusions |            |                 | Impact of exclusions |
|---------------|---|--------|--------------------------------|------------|-----------------|-----------------------------|------------|-----------------|----------------------|
|               |   |        | Performance                    | S-Factor   | Final Incentive | Performance                 | S-Factor   | Final Incentive |                      |
| S1            | Transmission line availability                      | 99.26% | 98.444639%                     | -0.200000% | -\$845,391      | 98.590891%                  | -0.200000% | -\$845,391      | 0.000000%            |
| S2            | Transformer availability                            | 98.61% | 98.321204%                     | -0.033843% | -\$143,054      | 98.323953%                  | -0.033521% | -\$141,692      | 0.000322%            |
| S3            | Reactive plant availability                         | 99.12% | 95.277781%                     | -0.100000% | -\$422,695      | 95.279174%                  | -0.100000% | -\$422,695      | 0.000000%            |
| S4            | Loss of supply event frequency >0.05 system minutes | 2      | 0                              | 0.250000%  | \$1,056,738     | 0                           | 0.250000%  | \$1,056,738     | 0.000000%            |
| S5            | Loss of supply event frequency >0.25 system minutes | 1      | 0                              | 0.100000%  | \$422,695       | 0                           | 0.100000%  | \$422,695       | 0.000000%            |
| S6            | Average outage duration                             | 824    | 2868                           | -0.200000% | -\$845,391      | 2758                        | -0.200000% | -\$845,391      | 0.000000%            |
| <b>TOTALS</b> |   |        |                                | -0.183843% | -\$777,097      |                             | -0.183521% | -\$775,735      | 0.000322%            |

### 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

| Aggregate outcome                              |            |
|--|------------|
| S-factor                                       | -0.183521% |
| Financial Incentive                            | -\$775,735 |
| Financial year affected by financial incentive | 2016/17    |