Multinet Gas Networks

Attachment 2.0 Basis of Preparation

Responses to the 2023/24 to 2027/28 Access Arrangement Regulatory Information Notice

July 2022

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Overview

The Australian Energy Regulator (AER) served the '2023 -2028 Access Arrangement Regulatory Information Notice' (RIN) on Multinet Gas Networks (MGN) on its gas distribution networks in Victoria on 8 March 2022, under the National Gas Law (NGL). The RIN requires MGN to provide the information and prepare and maintain the information in the manner and form specified in the written notice which includes the following Regulatory Templates:

- Workbook 1 Forecast data for regulatory years 2022, 1 Jan to 30 June 2023 and 2023/24 to 2027/28
- Workbook 2 Historical data for regulatory years 2017 to 2021
- Workbook 3 Efficiency Carryover Mechanism (ECM)
- Workbook 4 Indicative Bill Impact
- Workbook 6 Capital Expenditure Sharing Scheme (CESS)

The RIN requires MGN to submit the information to the AER on or before 5 pm Australian Eastern Standard Time on 1 July 2022.

Basis of Preparation

In accordance with the requirements of Section 1.2 of Schedule 4 of the RIN, MGN is required to prepare a Basis of Preparation **for all the information other than forecast information**, which must:

- demonstrate how the information provided is consistent with the requirements of the RIN;
- explain the source from which MGN used to provide the information;
- explain the methodology MGN has applied to provide the required information, including any assumptions MGN has made;
- explain in circumstances where MGN cannot provide input for a variable using actual information and therefore must provide input using estimated information:
 - why an estimate was required, including why it was not possible for MGN to use actual information;
 - the basis for estimate, including the approach used, assumptions made and reasons why the estimate has been arrived on a reasonable basis and is MGN's best estimate possible in the circumstance.
- explain, in circumstances where MGN provides a 'NULL' response as an input for a variable:
 - o why we believes the variable is not applicable for MGN.

To satisfy the requirements of the RIN, MGN has prepared a Basis of Preparation (this document) which is structured to reflect the same section headings used in the relevant Workbooks with a table to include the following details to support the information provided:

• data source of the information provided;

- methodology and assumptions adopted to prepare the information;
- classification as actual or estimated information, including appropriate justification if estimated; and
- any additional comments to assist users of the information to understand the Basis of Preparation.

The Basis of Preparation document has included the historical information contained in the followings:

- Workbook 2 Historical data for regulatory years 2017 to 2021
- Workbook 3 Efficiency Carryover Mechanism (ECM)
- Workbook 6 Capital Expenditure Sharing Scheme (CESS)

Workbook 2 - E2. Mains Repex

E 2.1 – Capex

E2.1.1 – Proactive – by Project

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments | | | |
|--|--|----------------------------------|------------------------------|--|--|--|--|
| 2017-2021 | Refer to the Regulatory Cost Allocation Methodology document for a description of the systems and processes that support MGN's cost capture and reporting of Capex and related Network Overheads presented below. | | | | | | |
| A. Direct Internal labour expenditure | Refer to the Regulatory Accounting Principles and Policies and Co included or excluded from capex for regulatory purposes, and in MGN has categorised Network Overheads as 'Direct Internal Labour Expenditure'. The Network Overheads relate to capitalised labour costs which are pooled and allocated to each relevant category of Capex on a pro-rata basis, based on the amount of overhead costs and the level of direct expenditure incurred in each Capex project. | relation to MGN's policies and p | | The annual aggregate of overhead allocation for each Maintenance Activity Type (MAT) code is extracted from the same data file as the direct costs. Note: In the years 2017 to 2020 where costs could not be identified in relation to a specific suburb, they have been reclassified as 'Other Projects' with expenditure less than | | | |
| B. Direct Contractor expenditure | Data was sourced from cost data uploads from the Service Providers under the existing OMSA and | Actual | | \$500,000. Note: Negative amounts reported in the RIN template | | | |

| Contract Payments to Contractors delivering representation represe | sent reversal of als or transfer of d costs between |
|--|---|
| Capex reported for Proactive Mains Replacement projects has been identified with reference to specific Work Breakdown Structure (WBS) projectsNote: In Note: In to 2020 to 2020 that are mapped to MAT codes for Proactive Mains | In the years 2017 20 where costs not be identified ation to a specific b, they have been ssified as 'Other cts' with aditure less than |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|----------|---|-------------------|------------------------------|------------------------|
| | Pipeworks Kew Part 1: MG-COM-000198 Princes St, Port Melbourne: MG-CPL- 000055 Prospect Hill to Elgar Rd Grid: MG-COM- 000247 & MG-COM-000248 Purtell St Bentleigh East: MG-CPL-000029 Riversdale Rd Hawthorn: MG-CPL-000056 Rosebank Lane Proving: MG-COM-000304 Ruskin St, Elwood: MG-CPL-000083 Scott St Dandenong: MG-CPL-000017 Sinclair Ave, Edithvale: MG-CPL-000085 Spenser Street St Kilda: MG-CPL-000045 St Andrews St Brighton: MG-CPL-000045 St Andrews St Brighton: MG-CPL-000041 Stella Ave, Noble Park: MG-CPL-000002 & MG-COM-000401 Strabane Ave Box Hill Nth: MG-CPL- 000065 Swansea Rd Chelsea (LXRA): MG-CPL- 000061 Talbot Cres, Kooyong: MG-CPL-000090 Tarene St, Dandenong: MG-CPL-000042 & MG-COM-000427 Valkstone St Bentleigh East: MG-CPL- 000047 Wallingford St Cheltenham: MG-CPL- 000053 Warra St Toorak (LXRA): MG-CPL-000053 | | | |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|----------|---|-------------------|------------------------------|------------------------|
| | Watson Grove, GlenHuntly: MG-CPL- 000089 Wattle Rd Hawthorn: MG-COM-000370 & MG-CPL-000018 William St Hawthorn: MG-CPL-000036 Wimmera St, Box Hill North: MG-CPL- 000004 Winfield Rd Balwyn Nth: MG-CPL-000028 & MG-COM-000406 Wright St Bentleigh: MG-CPL-000062 Yarrbat Ave, Balwyn: MG-CPL-000080 Aughtie Dve St. Kilda: MG-CPL-000074 Eastern Freeway Lrg Diameter Works: MG- COM-000392 Graham St Port Melbourne: MG-CPL- 000031 M28 Eastern Network: MG-CPL-000068 MP Cast Iron Pkg1 GW-Blackburn M43: MG-CPL-000054 Annandale Cres, Glen Waverly (HDPE): MG-CPL-000087 Bulleen to Balwyn Nth Grid Main: MG- COM-000078 Carrum: MG-COM-000068 Centre Rd, Bentleigh East: MG-COM- 000213 Chessell St Southbank: MG-CPL-000046 Court St Box Hill: MG-COM-000414 Duggan St Balwyn North: MG-CPL-000020 | | | |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|-----------------------------------|---|-------------------|------------------------------|------------------------|
| | Evans St, Port Melbourne: MG-CPL- 000021 Ferndale Rd Glen Iris: MG-CPL-000037 Highett - Cheltenham PW: MG-COM- 000074 Kelvinside Rd Noble Park: MG-CPL- 000035 Kew East Grid: MG-COM-000157 Kew Part 2: MG-COM-000218 Lambert Rd Toorak: MG-CPL-000016 Linda Cr Hawthorn: MG-CPL-000060 Liston St Burwood: MG-CPL-000015 Lwr Templestowe – Doncaster: MG-COM- 000228 & -000229 Monash St Box Hill Sth: MG-CPL-000005 Nevis Street Camberwell: MG-COM- 000332 Nirvana Ave Malvern East: MG-CPL- 000070 | | | |
| C. Direct Material Expenditure | MGN does not incur Direct material expenditure in performed under the existing OMSA and panel cont Contractor expenditure above. | | | |
| D. Other Director Expenditure | MGN does not incur Other Direct expenditure in relaperformed under the existing OMSA and panel cont Contractor expenditure above. | | | |

Attachment 2

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|--|---|-------------------|------------------------------|---|
| | | | | |
| E. Related Party margin expenditure | There was no Related Party margin attributable to N | Mains Repex work. | | |
| F. Capital Contributions | The Capital contributions received by MGN in relation to Proactive Mains Replacement Capex, include the following projects which are sourced from SAP: Swansea Road, Chelsea project: MG-CPL-000061; and Warra Street, Toorak project in 2020: MG-CPL-000053. | Actual | | There is a reclassification of \$1.4 million of Customer Contributions from Mains Replacement to Other Capex in 2021. See Appendix A for details. |

E2.1.2 – Reactive – by Connection Type

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments | |
|---------------------------------------|--|-------------------|------------------------------|--|--|
| 2017-2021 | Refer to the Regulatory Cost Allocation Methodology document for a description of the systems and processes that support MGN's cost capture and reporting of Capex and related Network Overheads presented below. | | | | |
| | Refer to the Regulatory Accounting Principles and Policies and Cost Allocation Methodology documents for guidance on certain expenditure categories that may be included or excluded from capex for regulatory purposes, and in relation to MGN's policies and processes for cost allocation. | | | | |
| A. Direct Internal labour expenditure | MGN has categorised Network Overheads as 'Direct Internal Labour Expenditure'. The Network | | | The annual aggregate of overhead allocation for each MAT code is | |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|----------------------------------|--|-------------------|------------------------------|---|
| | Overheads relate to capitalised labour costs which are pooled and allocated to each relevant category of Capex on a pro-rata basis, based on the amount of overhead costs and the level of direct expenditure incurred in each Capex project. | | | extracted from the same data file as the direct costs. |
| - Mains | | Actual | | |
| - Services | | Actual | | |
| B. Direct Contractor expenditure | Data was sourced from cost data uploads from the Service Providers under the existing OMSA and Contract Payments to Contractors delivering projects awarded under competitive tender. The MAT codes for Reactive Mains Replacement are RAC, RAE, RAH, RAL, RAR, RAT, RAU & RGA. | | | |
| - Mains | For Mains, data has been sourced from the RGA Reactive MAT code. Costs for all Reactive Mains Replacement projects are assigned to Transmission and Distribution Asset Class. | Actual | | |
| - Services | For Services, data has been sourced from the Reactive MAT codes of RAC, RAE, RAH, RAL, RAR, RAT & RAU. | Actual | | The total amount reported for Mains Repex differs to what |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|--------------------------------|--|-------------------|---------------------------------|---|
| | Costs for Service Renewals program are assigned to Services Asset Class. | | | was reported in the Historic Annual RINs for each year from 2017 to 2021. This is a result of the reclassification of 'Reactive Service Renewal' projects from Other Capex to Repex (refer also to E13 Other Capex). Please refer to the Appendix A for the detailed reclassified amount for each year. |
| C. Direct Material expenditure | MGN does not incur Direct material expenditure in r performed under the existing OMSA and panel cont Contractor expenditure above. | | | |
| - Mains | | | | |
| - Services | | | | |
| D. Other Direct expenditure | MGN does not incur Other Direct expenditure in rela performed under the existing OMSA and panel cont Contractor expenditure above. | | | |
| - Mains | | | | |

Attachment 2

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|-------------------------------------|---|----------------------------|------------------------------|------------------------|
| - Services | | | | |
| E. Related Party margin expenditure | There was no Related Party margin attributable to N | Mains Repex work. | | |
| - Mains | | | | |
| - Services | | | | |
| F. Capital Contributions | There were no Capital contributions received by MG | SN in relation to Reactive | Mains Replacement Capex. | |
| - Mains | | | | |
| - Services | | | | |

E 2.2 – Volumes

E2.2.1 – Proactive – by Connection Type – by Project

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|-------------------------------|---|------------------------|---|------------------------|
| 2017-2021 | | | | |
| Low pressure to high | Volume data by project has been sourced, as | Actual for 2017-2018 | 2019-2021 | |
| pressure (metres replaced) | follows: | Estimate for 2019-2021 | Project lengths are taken from GIS / SAP system data | |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|--|--|--|---|------------------------|
| | 2017-2018: based on weekly construction reports, manually collated in a spreadsheet for reporting purposes; and 2019-2021: project data sheets entered into SAP and GIS and month-end status summary snapshots from GIS. MAT codes of DUH & RYP (LP to HP) have been used to group minor projects. | | reports of mains decommissioned and include (1) constructed lengths, (2) mains laying efficiencies and (3) data validation when updating sources systems. Items 2 and 3 are prorated across projects (by length) for each reporting period. | |
| Low pressure to medium pressure (metres replaced) | There are no volumes to report in this category of co | onnection type. | | |
| Low pressure to low pressure (metres replaced) | There are no volumes to report in this category of co | onnection type. | | |
| Medium pressure to medium pressure (metres replaced) | There are no volumes to report in this category of co | onnection type. | | |
| Medium pressure to high pressure (metres replaced) | Volume data by project has been sourced, as follows: 2017-2018: based on weekly construction reports, manually collated in a spreadsheet for reporting purposes; and 2019-2021: project data sheets entered into SAP and GIS and month-end status summary snapshots from GIS. The MAT code of DUM (MP to HP) has been used to group minor projects. | Actual for 2017-2018 Estimate for 2019-2021 | 2019-2021 Project lengths are taken from GIS / SAP system data reports of mains decommissioned and include (1) constructed lengths, (2) mains laying efficiencies and (3) data validation when updating sources systems. Items 2 and 3 are prorated | |

Attachment 2

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|--|---|-------------------|--|------------------------|
| | | | across projects (by length) for each reporting period. | |
| High pressure to high pressure (metres replaced) | There are no volumes to report in this category of connection type. | | | |

E2.2.2 – Reactive – by Connection Type

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|--|--|-------------------|------------------------------|------------------------|
| 2017-2021 | | | | |
| Low pressure to high pressure | Volume data has been sourced, as follows: 2017-2018: based on weekly construction reports, manually collated in a spreadsheet for reporting purposes; and 2019-2021: project data sheets entered into SAP and GIS and month-end status summary snapshots from GIS. | | | |
| Metres of mains replaced | Volume data has been sourced from MAT code RGA, which includes the following LP to HP projects: Barkly Avenue, Armadale: MG-COM-000504 Grandview Road, Brighton: MG-CPL- 000077 Victoria Avenue, Canterbury: MG-CPL- 000092 | Actual | | |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|--|---|-------------------|------------------------------|------------------------|
| - Number of services replaced | Data has been sourced from MAT code RAL and RGA, which includes the following LP to HP projects: Barkly Avenue, Armadale: MG-COM-000504 Grandview Road, Brighton: MG-CPL- 000077 Victoria Avenue, Canterbury: MG-CPL- 000092 | Actual | | |
| Low pressure to medium pressure | There are no volumes to report in this category of co | onnection type. | | |
| Metres of mains replaced | | | | |
| - Number of services replaced | | | | |
| Low pressure to low pressure | Volume data has been sourced from project data sheets entered into SAP and GIS | | | |
| Metres of mains replaced | Data has been sourced from MAT code RGA, which includes the following LP to LP project: 62-164 Williams Road, Prahran: MG-COM-000413 | Actual | | |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|--|---|-------------------|------------------------------|------------------------|
| - Number of services replaced | There are no volumes to report in this category of c | onnection type. | | |
| Medium pressure to medium pressure | Volume data has been sourced from weekly construction reports, manually collated in a spreadsheet for reporting purposes. | | | |
| Metres of mains replaced | Data has been sourced from MAT code RGA, which includes the following MP to MP project: Pickles Street, Port Melbourne : MG-COM-000318 | Actual | | |
| - Number of services replaced | There are no volumes to report in this category of c | onnection type. | | |
| Medium pressure to high pressure | There are no volumes to report in this category of c | onnection type. | | |
| - Metres of mains replaced | | | | |
| - Number of services replaced | | | | |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|-------------------------------------|---|-------------------|------------------------------|------------------------|
| High pressure to high pressure | Volume data has been sourced, as follows: 2017-2018: weekly construction reports, manually collated in a spreadsheet for reporting purposes; and 2019-2021: project data sheets entered into SAP and GIS and month-end status summary snapshots from GIS. | | | |
| - Metres of mains replaced | Volume data has been sourced from MAT code RGA, which includes the following HP to HP projects: Melbourne Park Sporting Precinct: MG- COM-000313 Morokai Grove, Lilydale: MG-COM-000569 Spring Road, Highett: MG-COM-000574 | Actual | | |
| - Number of services replaced | Data has been sourced from MAT codes RAC, RAE, RAH, RAR, RAT, RAU & RGA, which includes the following HP to HP project: Morokai Grove, Lilydale: MG-COM-000569 | Actual | | |

Workbook 2 - E3. Mains Augex

E3.1 – Capex by Project

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|--|---|-------------------|------------------------------|---|
| 2017-2021 | Refer to the Regulatory Cost Allocation Methodology document for a Capex and related Network Overheads presented below. | | | |
| | Refer to the Regulatory Accounting Principles and Policies and Cost be included or excluded from capex for regulatory purposes, and in | | | xpenditure categories that may |
| A. Direct Internal labour expenditure | MGN has categorised Network Overheads as 'Direct Internal Labour Expenditure'. The Network Overheads relate to capitalised labour costs which are pooled and allocated to each relevant category of Capex on a pro- rata basis, based on the amount of overhead costs and the level of direct expenditure incurred in each Capex project. | Actual | | The annual aggregate of overhead allocation for each MAT code is extracted from the same data file as the direct costs. |
| B. Direct Contractor expenditure | Data was sourced from cost data uploads from the Service Providers under the existing OMSA and Contract Payments to Contractors delivering projects awarded under competitive tender. Capex reported for Mains Augmentation projects has been identified with reference to specific WBS projects | Actual | | Note: Negative amounts reported in the RIN template represent reversal of accruals or |
| | that are mapped to MAT codes for Mains Augmentation of DR, DRM & DRH. The reported Mains Augmentation projects are identified by the following projects in SAP: Oakleigh: MG-CPL-019, 033, 076 & 086 Selkirk Ave, Knox: MG-CPL-000039 | | | transfer of shared costs between projects |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|----------|---|-------------------|------------------------------|------------------------|
| | Sherbrooke Road, Sassafras: MG-CPL-079 & COM-172 Old Coach Road, Kalorama: MG-CPL-081 and COM-562 Toorak Rd 180P10: MG-CPL-000091 Grandview Rd Brighton LP Reinforcement: MG-COM-000517 Lang Lang Supply Main Augmentation: MG-CPL-063 & COM-510 Hutton Street Regulator Upgrade: MG-COM-000172 & COM-000312 Ringwood HP Augmentation: MG-CPL-000022 153 Glenferrie Rd, Malvern: MG-CPL-000022 153 Glenferrie Rd, Malvern: MG-CPL-00007 Harcrest Estate Augmentation: MG-COM-000417 Vermont Outstation Stage 1 Knox HP: MG-COM-000115 Yarra Glen City Gate Upgrade: MG-COM-000117 Harris Gully Road, Warrandyte: MG-COM-000119 Industrial Mains Extension: MG-COM-000302 Costs for most projects are assigned to Transmission and Distribution Asset Class 028/eigh 75% Transmission and Distribution Asset Class | | | |

Attachment 2

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|-------------------------------------|---|-----------------------|------------------------------|------------------------|
| | Vermont Outstation Stg1 Knox HP 100% Supply Reg/Valve Stations Asset Class Yarra Glen City Gate Upgrade 100% Supply Reg/Valve Stations Asset Class | | | |
| C. Direct Material expenditure | MGN does not incur Direct material expenditure in relat performed under the existing OMSA and panel contract Contractor expenditure above. | 5 | | |
| D. Direct Other Expenditure | MGN does not incur Other Direct expenditure in relation performed under the existing OMSA and panel contract Contractor expenditure above. | | | |
| E. Related Party margin expenditure | There was no Related Party margin attributable to Main | s Augmentation work. | | |
| F. Capital Contributions | There were no Capital contributions received by MGN for | or Mains Augmentation | n Capex. | |

E3.2 – Volumes – by Pressure Type – by Project

| Variable | Data source, Methodology and Assumptions | | Additional Comments |
|-----------|--|--|------------------------|
| 2017-2021 | | | |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|---|--|---|---|------------------------|
| Low pressure to low pressure (metres augmented) | Volume data has been sourced from project data sheets entered into SAP and GIS. Data has been sourced from MAT code DRL, which includes the following LP to LP project: Grandview Road, Brighton LP Reinforcement: MG-COM-000517 | Estimated | Project lengths are taken from GIS / SAP system data reports of mains decommissioned and include constructed lengths, mains laying efficiencies and data updates. | |
| Low pressure to medium pressure (metres augmented) | There are no volumes to report in this category of p | ressure type. | | |
| Low pressure to high pressure (metres augmented) | There are no volumes to report in this category of p | ressure type. | | |
| Medium pressure to Medium pressure (metres augmented) | There are no volumes to report in this category of p | There are no volumes to report in this category of pressure type. | | |
| Medium pressure to High pressure (metres augmented) | There are no volumes to report in this category of p | ressure type. | | |
| High pressure to high pressure (metres augmented) | Volume data has been sourced, as follows: 2017-2018: weekly construction reports, manually collated in a spreadsheet for reporting purposes; and 2019-2021: project data sheets entered into SAP and GIS. | Estimated | Project lengths are taken from GIS / SAP system data reports of mains decommissioned and include constructed lengths, mains laying efficiencies and data updates. | |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|----------|--|-------------------|------------------------------|------------------------|
| | Data has been sourced from MAT code DRH, which includes the following HP to HP projects: Oakleigh: MG-CPL-019, 033, 076 & 086 Selkirk Ave, Knox: MG-CPL-000039 Lang Lang Supply Main Augmentation: MG-CPL-063 & MG-COM-510 Ringwood HP Augmentation: MG-CPL-000022 153 Glenferrie Road, Malvern: MG-CPL-057 & MG-COM-472 Glenview Road, Yarra Glen: MG-CPL-000007 Harcrest Estate Augmentation: MG-COM-000417 | | | |

Workbook 2 - E4. Meter Replacement

E4.1 - Capex

E4.1.1 – New Meters Acquired

| Variable | Data source, Methodology and Assumptions | | Justification (if estimated) | Additional Comments |
|--|--|----------------|----------------------------------|---|
| 2017-2021 | Refer to the Regulatory Cost Allocation Methodology document for a description of Capex and related Network Overheads presented below. Refer to the Regulatory Accounting Principles and Policies and Cost Allocation Meth- be included or excluded from capex for regulatory purposes, and in relation to MGI | nodology docul | nents for guidance on certain e. | |
| A. Direct Internal labour expenditure | MGN has categorised Network Overheads as 'Direct Internal Expenditure'. The Network Overheads relate to capitalised labour costs which are pooled and allocated to each relevant category of Capex on a pro-rata basis, based on the amount of overhead costs and the level of direct expenditure incurred in each Capex project. | | | The annual aggregate of overhead allocation for each MAT code is extracted from the same data file as the direct costs. |
| - Residential | | Actual | | |
| - Industrial and Commercial | | Actual | | |
| - Other | | Actual | | |
| B. Direct Contractor expenditure | Data was sourced from cost data uploads from the Service Providers under the existing OMSA and Contract Payments to | | | |

| Variable | Data source, Methodology and Assumptions | | Justification (if estimated) | Additional Comments |
|--------------------------------|--|--------|------------------------------|------------------------|
| | Contractors delivering projects awarded under competitive tender. | | | |
| | As Meter Replacements can be refurbished or new meters, replacement meter costs of Residential and Industrial and Commercial have been calculated using an average unit cost of refurbished costs and new meter purchase costs. | | | |
| | The cost has been identified with reference to specific MAT codes of GDD, GGA, GGB, GGE, GGF, GGG, GGK, GGL, GGZ, GMB, GMC, CVS, CVL, CVM and CVN. | | | |
| | All costs are assigned to Meters Asset Class. | | | |
| - Residential | The cost is derived from the sum of SAP MAT codes GGA & GGZ less CVS multiplied by the cost of a new meter. | Actual | | |
| - Industrial and Commercial | The cost is derived from the sum of MAT codes GGB to GGL less the sum of CVL, CVM and CVN multiplied the average unit cost. | Actual | | |
| - Other | Volume data relates to new Tariff D meters, with the cost reflecting the agreed price with the customer. | Actual | | |
| C. Direct Material expenditure | MGN does not incur Direct material expenditure in relation to deliv performed under the existing OMSA and panel contractor arranger Contractor expenditure above. | | | |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|--|--|----------------------|------------------------------|------------------------|
| - Residential | | | | |
| - Industrial and Commercial | | | | |
| - Other | | | | |
| D. Other Direct expenditure | MGN does not incur Other Direct expenditure in relation to delive performed under the existing OMSA and panel contractor arrange Contractor expenditure above. | | | |
| - Residential | | | | |
| - Industrial and Commercial | | | | |
| - Other | | | | |
| E. Related Party margin expenditure | There was no Related Party margin attributable to Meter Replac | ement work. | | |
| - Residential | | | | |
| - Industrial and Commercial | | | | |
| - Other | | | | |

Attachment 2

| Variable | Data source, Methodology and Assumptions | | Justification (if estimated) | Additional Comments |
|--------------------------------|--|-------------|---------------------------------|------------------------|
| F. Capital Contributions | There were no Capital contributions received by MGN for Meter Re | placement (| Capex. | |
| - Residential | | | | |
| - Industrial and Commercial | | | | |
| - Other | | | | |

E4.1.2 – Meter Refurbishment

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|--|---|--------------------------|------------------------------|------------------------|
| 2017-2021 | | | | |
| A. Direct Internal labour expenditure | There are no Meter Refurbishment Capex costs repo | orted, as MGN expense th | ese costs. | |
| - Residential | | | | |
| - Industrial and Commercial | | | | |
| - Other | | | | |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments | |
|----------------------------------|--|--------------------------|------------------------------|------------------------|--|
| B. Direct Contractor expenditure | There are no Meter Refurbishment Capex costs reported, as MGN expense these costs. | | | | |
| - Residential | | | | | |
| - Industrial and Commercial | | | | | |
| - Other | | | | | |
| C. Direct Material expenditure | There are no Meter Refurbishment Capex costs repo | orted, as MGN expense th | ese costs. | | |
| - Residential | | | | | |
| - Industrial and Commercial | | | | | |
| - Other | | | | | |
| D. Other Direct Expenditure | There are no Meter Refurbishment Capex costs repo | orted, as MGN expense th | ese costs. | | |
| - Residential | | | | | |
| - Industrial and Commercial | | | | | |

Attachment 2

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|-------------------------------------|---|-------------------------|------------------------------|------------------------|
| - Other | | | | |
| E. Related Party margin expenditure | There was no Related Party margin attributable to N | leter Refurbishment wor | k. | |
| - Residential | | | | |
| - Industrial and Commercial | | | | |
| - Other | | | | |
| F. Capital Contributions | There were no Capital contributions received by MG | N for Meter Refurbishme | nt Capex. | |
| - Residential | | | | |
| - Industrial and Commercial | | | | |
| - Other | | | | |

E4.1.3 – Meter Installation

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|---|---|-------------------------|------------------------------|------------------------|
| 2017-2021 | | | | |
| A. Direct Internal labour expenditure | There are no Meter Installation Capex costs reported, as MGN expense these costs. | | | |
| - Residential | | | | |
| - Industrial and Commercial | | | | |
| - Other | | | | |
| B. Direct Contractor expenditure | There are no Meter Installation Capex costs reported | d, as MGN expense these | e costs. | |
| - Residential | | | | |
| Industrial and Commercial | | | | |
| - Other | | | | |
| C. Direct Material expenditure | There are no Meter Installation Capex costs reported | d, as MGN expense these | e costs. | |
| - Residential | | | | |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|-------------------------------------|--|----------------------------|------------------------------|------------------------|
| - Industrial and Commercial | | | | |
| - Other | | | | |
| D. Other Direct Expenditure | There are no Meter Installation Capex costs reported | d, as MGN expense these | costs. | |
| - Residential | | | | |
| - Industrial and Commercial | | | | |
| - Other | | | | |
| E. Related Party margin expenditure | There was no Related Party margin attributable to N | Neter installation work. | | |
| - Residential | | | | |
| - Industrial and Commercial | | | | |
| - Other | | | | |
| F. Capital Contributions | There were no Capital contributions received by MG | N for Meter installation C | apex. | |

Attachment 2

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|--------------------------------|--|-------------------|------------------------------|------------------------|
| - Residential | | | | |
| - Industrial and Commercial | | | | |
| - Other | | | | |

E4.1.4 – Other Meter Replacement Capex

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|---------------------------------------|---|-------------------|------------------------------|------------------------|
| 2017-2021 | | | | |
| A. Direct Internal labour expenditure | There are no Other Meter replacements Capex costs | | | |
| - Residential | | | | |
| - Industrial and Commercial | | | | |
| - Other | | | | |
| B. Direct Contractor expenditure | There are no Other Meter replacements Capex costs | | | |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|--------------------------------|---|-------------------|------------------------------|------------------------|
| - Residential | | | | |
| - Industrial and Commercial | | | | |
| - Other | | | | |
| C. Direct Material expenditure | There are no Other Meter replacements Capex costs | | | |
| - Residential | | | | |
| - Industrial and Commercial | | | | |
| - Other | | | | |
| D. Other Direct expenditure | There are no Other Meter replacements Capex costs | S. | | |
| - Residential | | | | |
| - Industrial and Commercial | | | | |
| - Other | | | | |

Attachment 2

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|---|---|---------------------------|------------------------------|------------------------|
| E. Related Party margin expenditure | There was no Related Party margin attributable to Other Meter Replacement work. | | | |
| - Residential | | | | |
| - Industrial and Commercial | | | | |
| - Other | | | | |
| F. Capital Contributions | There were no Capital contributions received by MG | N for Other Meter Replace | ement Capex. | |
| - Residential | | | | |
| Industrial and Commercial | | | | |
| - Other | | | | |

E4.2 - Volumes

E4.2.1 – Number of New Meters Acquired

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Additional Comments |
|-----------|--|-------------------|------------------------|
| 2017-2021 | | | |

Attachment 2

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|---|--|-------------------|------------------------------|------------------------|
| Residential (#of new meters acquired) | Volume data has been sourced from SAP, with the meter count obtained from MAT codes GGA & GGZ less CVS. | Actual | | |
| Industrial and commercial (#of new meters acquired) | Volume data has been sourced from SAP, with the meter count obtained from MAT codes GGB, GGE, GGF, GGG, GGH, GGK & GGL less CVL, CVM & CVN. | Actual | | |
| Other (#of new meters acquired) | Volume data relates to new Tariff D meters, with the information sourced from copies of the Non- Standard Gas Connection (GCA) / Gas Shipper Forms. | Actual | | |

E4.2.2 – Number of Meters Refurbished

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|--|--|-------------------|------------------------------|------------------------|
| 2017-2021 | | | | |
| Residential (# of refurbishable meters removed) | Volume data has been sourced from SAP, with the meter count obtained from MAT code NBR & GGZ. | Actual | | |
| Industrial and commercial (# of refurbishable meters removed) | Volume data has been sourced from SAP, with the meter count obtained from MAT code NBU less refurbished Tariff D meters reported in Other. | Actual | | |

Attachment 2

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|---|--|-------------------|------------------------------|--|
| Other (# of refurbishable meters removed) | Volume data relates to refurbished Tariff D meters, with the information sourced from copies of the GCA/Gas Shipper Forms. | Actual | | |
| Residential (# of meters decommissioned) | Volume data has been sourced from SAP, with the meter count obtained from the sum of MAT meters replaced codes of NUS, NFS & NWS less NBR (refurbished). | Actual | | |
| Industrial and commercial (# of meters decommissioned) | Volume data has been sourced from SAP, with the meter count obtained from the sum of MAT meters replaced codes of NUL, NFL, NWL & QCC less NBU (refurbished). | Actual | | In 2017 MGN refurbished 743 I&C meters, but removed only 598 This generated additional stock of meters ready for future installation. The difference of 145 meters is presented as a negative value of decommissioned meters. |
| Other (# of meters decommissioned) | There are no volumes to report in this category. | | | |

E4.2.3 - Number of Meters Installed

Attachment 2

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|---|--|-------------------|------------------------------|--|
| 2017-2021 | | | | |
| Residential (# of meters installed) | Volume data has been sourced from SAP, with the meter count obtained from the sum of MAT meters replaced codes of NUS, NFS & NWS. | Actual | | |
| Industrial and commercial (# of meters installed) | Volume data has been sourced from SAP, with the meter count obtained from the sum of MAT meters replaced codes of NUL, NFL, NWL & QCC. | Actual | | |
| Other (# of meters installed) | Volume data relates to Tariff D meters, with the information sourced from copies of the GCA/Gas Shipper Forms. | Actual | | The 2021 data also includes Flow and Temp Correctors |

E4.2.4 – Number of Meters Removed/Decommissioned

| Variable | Data source, Methodology and Assumptions | | Justification (if estimated) | Additional Comments |
|------------------------------|--|--------|------------------------------|------------------------|
| 2017-2021 | | | | |
| Residential (# of meters) | Volume data has been sourced from SAP, with the meter count obtained from the sum of MAT meters replaced codes of NUS, NFS & NWS less NBR (refurbished). | Actual | | |

Attachment 2

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|---|--|-------------------|------------------------------|---|
| Industrial and commercial (# of meters) | Volume data has been sourced from SAP, with the meter count obtained from the sum of MAT meters replaced codes of NUL, NFL, NWL & QCC less NBU (refurbished). | Actual | | In 2017 MGN refurbished 743 I&C meters, but removed only 638. This generated additional stock of meters ready for future installation. The difference of 105 meters is presented as a negative value of decommissioned meters. |
| Other (# of meters) | There are no volumes to report in this category. | | | |

E4.2.5 – Other Meter Replacement Volume

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments | |
|---|---|-------------------|------------------------------|------------------------|--|
| 2017-2021 | | | | | |
| Residential (# of meters) | There are no volumes to report in this category of meter replacement. | | | | |
| Industrial and commercial (# of meters) | There are no volumes to report in this category of meter replacement. | | | | |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|---------------------|---|-------------------|------------------------------|------------------------|
| Other (# of meters) | There are no volumes to report in this category of meter replacement. | | | |

Attachment 2

Workbook 2 - E5. New Connections

E5.1 - Expenditure

E5.1.1 – Capex – by Connection Type

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|--|--|-----------------------------------|--------------------------------------|---|
| 2017-2021 | Refer to the Regulatory Cost Allocation Methodology document for Capex and related Network Overheads presented below. | or a description of the systems a | and processes that support MGN's cos | st capture and reporting of |
| | Refer to the Regulatory Accounting Principles and Policies and Co be included or excluded from capex for regulatory purposes, and | | | diture categories that may |
| A. Direct Internal labour expenditure | MGN has categorised Network Overheads as 'Direct Internal Labour Expenditure'. The Network Overheads relate to capitalised labour costs which are pooled and allocated to each relevant category of Capex on a pro-rata basis, based on the amount of overhead costs and the level of direct expenditure incurred in each Capex project. | | | The annual aggregate of overhead allocation for each MAT code is extracted from the same data file as the direct costs. |
| - Electricity to gas | There are no new connections of this type | | | |
| - New homes | Actual | | | |
| - New medium density/high rise | MGN does not hold data regarding the type or purpose of connected premises. There are no new connections reported to a classification of this type. The volumes that may apply to this classification are aggregated under "New Homes". | | | |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|--|---|-------------------|------------------------------|------------------------|
| Industrial & commercial tariff | | Actual | | |
| - Industrial & commercial contract | | Actual | | |
| B. Direct Contractor expenditure | Data was sourced from cost data uploads from the Service Providers under the existing OMSA and Contract Payments to Contractors delivering projects awarded under competitive tender. | | | |
| - Electricity to gas | There are no new connections of this type. | | | |
| - New homes | The cost has been identified with reference to specific SAP MAT codes as follows: Mains - CZA, CZB, CGA & CGB Inlets - CW range, excluding CWC Meters - CVS | Actual | | |
| - New medium density/high rise | MGN does not hold data regarding the type or purpose of connected premises. There are no new connections reported to a classification of this type. The volumes that may apply to this classification are aggregated under "New Homes". | | | |
| - Industrial & commercial tariff | The cost has been identified with reference to specific SAP MAT codes as follows:Mains - CFA & CFB | Actual | | |

| Variab | le | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|-------------------|--|---|-------------------|------------------------------|------------------------|
| | | Inlets - CRG & CWC less Tariff D and L (I&C Contract) Meters - CVL to CVN, CA range & GDD | | | |
| - | Industrial & commercial contract | The cost has been identified with reference to Tariff D and Tariff L. The cost has been assigned to Inlets as there is no breakdown of the costs. | Actual | | |
| C. Dire Expend | ct Material liture | MGN does not incur Direct material expenditure in reperformed under the existing OMSA. Accordingly the | | | |
| - | Electricity to gas | | | | |
| - | New homes | | | | |
| - | New medium density/high rise | | | | |
| - | Industrial & commercial tariff | | | | |
| - | Industrial & commercial contract | | | | |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|--|--|-----------------------|------------------------------|------------------------|
| D. Other Direct expenditure | MG does not incur Other Direct expenditure in relati performed under the existing OMSA and panel contr Contractor expenditure above. | | | |
| - Electricity to gas | | | | |
| - New homes | | | | |
| - New medium density/high rise | | | | |
| Industrial & commercial tariff | | | | |
| - Industrial & commercial contract | | | | |
| E. Related Party margin expenditure | There was no Related Party margin attributable to N | lew Connections work. | | |
| - Electricity to gas | | | | |
| - New homes | | | | |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|--|--|---------------------------|------------------------------|---|
| - New medium density/high rise | | | | |
| Industrial & commercial tariff | | | | |
| - Industrial & commercial contract | | | | |
| F. Capital Contributions | | | | |
| - Electricity to gas | There were no Capital contributions received by MG | N for this connection typ | De. | |
| - New homes | Total customer contributions received via Retailers less Tariff D & Tariff L (I&C) contributions. | Actual | | MGN receives monthly aggregated contributions via the Retailers. There is no system data recorded to enable disaggregation into the AER groupings |
| - New medium density/high rise | There were no Capital contributions received by MG | N for this connection typ | De. | |

Attachment 2

| Va | riable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|----|--|--|----------------------------|------------------------------|------------------------|
| | - Industrial & commercial tariff | There were no Capital contributions received by MGI | N for this connection type | | |
| | Industrial & commercial contract | Manual data extraction for Tariff D and L, from GCAs | Actual | | |

E5.2 - Unit Rates

E5.2.1 – Unit Rates – Per Connection – by Connection Type

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|---|--|-------------------|------------------------------|------------------------|
| 2017-2021 | | | | |
| Electricity to gas | There are no new connections of this type. | | | |
| - Distribution mains (per meter per connection) | | | | |
| Inlet services pipes (per service per connection) | | | | |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|---|---|-------------------|---|------------------------|
| - Meters (number per connection) | | | | |
| New homes | | | | |
| - Distribution mains (per meter per connection) | Unit rates have been determined by dividing the new home mains direct contractor expenditure (reported in Table E5.1.1 above) by the number of distribution mains meters used for new connections (Obtain by times the volumes of connects reported in table E5.3.1 with the volume per connections reported in Table E5.3.2 below) | Estimate | As the volume to calculate the unit rates are estimated | |
| Inlet services pipes (per service per connection) | Unit rates have been determined by dividing the new home inlets direct contractor expenditure (reported in Table E5.1.1 above) by the number of new meters installed, as assumes 1 service per connection and 1 meter per connection. | Estimate | No supporting records available, so estimated at 1 | |
| - Meters (number per connection) | Unit rates for meters have been calculated following the same methodology by dividing the direct expenditure by the number of new meters installed (meters per connection x new connections), as assumes 1 service per connection and 1 meter per connection. | Estimate | No supporting records available, so estimated at 1 | |
| New medium density / high rise | There are no new connections of this type. | | | |

| Variab | le | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|-----------------|---|---|-------------------|---|------------------------|
| - | Distribution mains (per meter per connection) | | | | |
| - | Inlet services pipes (per service per connection) | | | | |
| - | Meters (number per connection) | | | | |
| ndustr ariff | ial & Commercial | | | | |
| - | Distribution mains (per meter per connection) | Unit rates have been determined by dividing the I&C tariff mains direct contractor expenditure (reported in Table E5.1.1 above) by the number of distribution mains meters used for new connections (Obtain by times the volumes of connects reported in table E5.3.1 with the volume per connections reported in Table E5.3.2 below) | Estimate | As the volume to calculate the unit rates are estimated | |
| - | Inlet services pipes (per service per connection) | Unit rates have been determined by dividing the I&C tariff inlets direct contractor expenditure on MAT code CWC by the number of I&C meters installed, as assumes 1 service per connection and 1 meter per service. | Estimate | No supporting records available, so estimated at 1 | |

Attachment 2

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|---|---|-------------------|--|------------------------|
| - Meters (number per connection) | Unit rates for meters have been calculated following the same methodology by dividing the direct expenditure by the number of new meters installed (meters per connection x new connections), as assumes 1 service per connection and 1 meter per connection. | Estimate | No supporting records available, so estimated at 1 | |
| Industrial & Commercial Contract | | | | |
| Distribution mains (per meter per connection) | | | | |
| Inlet services pipes (per service per connection) | Unit rates have been determined by dividing the I&C contract inlets direct contractor expenditure estimated from the cost aggregate of the GCA/Shipper Forms divided by the number of I&C contract connections, as assumes 1 service per connection and 1 meter per service. | Estimate | No supporting records available, so estimated at 1 | |
| - Meters (number per connection) | | | | |

E5.3 – Volumes E5.3.1 – Number of new connections

Attachment 2

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|---|---|-------------------|------------------------------|------------------------|
| 2017-2021 | | | | |
| Electricity to gas (# of new connections) | There are no volumes to report in this category of r | new connections. | | |
| New homes (# of new connections) | Volume data has been sourced from SAP, with the meter count obtained from MAT codes as follows: Mains - CZA, CZB, CGA & CGB Inlets - CW range, excluding CWC Meters - CVS | Actual | | |
| New medium density / high rise (# of new connections) | There are no volumes to report in this category of r | new connections. | | |
| Industrial & Commercial Tariff (# of new connections) | Volume data has been sourced from SAP, with the meter count obtained from MAT codes as follows: Mains - CFA & CFB Inlets - CRG & CWC less Tariff D & Tariff L (1&C Contract) Meters - CVL, CVM and CVN | Actual | | |
| Industrial & Commercial Contract (# of new connections) | Volume data relates to the number of Tariff D and Tariff L connections, with the information sourced from copies of the GCA/Gas Shipper Forms. | Actual | | |

E5.3.2 – Volumes – Per Connection – by Connection Type

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|---|---|-------------------|------------------------------|--------------------------------|
| 2017-2021 | Refer to the Regulatory Cost Allocation Methodology document f Capex and related Network Overheads presented below. | | | |
| | Refer to the Regulatory Accounting Principles and Policies and Co be included or excluded from capex for regulatory purposes, and | | | xpenditure categories that may |
| Electricity to gas | There are no volumes to report in this category of r | new connections. | | |
| Distribution mains (metre per connection) | | | | |
| Inlet services pipes (service per connection) | | | | |
| - Meters (# per connection) | | | | |
| New homes | | | | |
| - Distribution mains (metre per connection) | Mains volumes per connection have been determined by dividing the sum of the mains metre count of SAP MAT's CZA, CZB, CGA & CGB by the number of new connections (reported in Table E5.3.1) | Actual | | |

| Variab | ble | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|-------------------|---|---|-------------------|--|------------------------|
| - | Inlet services pipes (service per connection) | | Estimate | No supporting records available, so estimated at 1 | |
| - | Meters (# per connection) | | Estimate | No supporting records available, so estimated at 1 | |
| New m high ris | edium density / se | There are no volumes to report in this category of r | new connections. | | |
| - | Distribution mains (metre per connection) | | | | |
| - | Inlet services pipes (service per connection) | | | | |
| - | Meters (# per connection) | | | | |
| Industr Tariff | rial & Commercial | | | | |
| - | Distribution mains (metre per connection) | Mains volumes per connection have been determined by dividing the sum of the mains metre count of SAP MAT's CFA & CFB by the number of new connections (reported in Table E5.3.1). | Actual | | |

Attachment 2

| Variab | le | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|--------------------|---|--|-------------------|--|------------------------|
| - | Inlet services pipes (service per connection) | | Estimate | No supporting records available, so estimated at 1 | |
| - | Meters (# per connection) | | Estimate | No supporting records available, so estimated at 1 | |
| Industr Contrac | ial & Commercial ct | | | | |
| - | Distribution mains (meter per connection) | There are no volumes to report in this category of n | ew connections. | | |
| - | Inlet services pipes (service per connection) | | Estimate | No supporting records available, so estimated at 1 | |
| - | Meters (# per connection) | | Estimate | No supporting records available, so estimated at 1 | |

E5.4 – Capital Contributions

E5.4.1- Value of Capital Contributions – by Connection Type

Attachment 2

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments | | |
|-------------------------------------|---|---|------------------------------|--|--|--|
| 2017-2021 | | | | | | |
| Electricity to gas | There were no Capital contributions received by MG | There were no Capital contributions received by MGN for this connection type. | | | | |
| New homes | Total customer contributions received via Retailers less Tariff D and Tariff L (I&C) contributions. | Actual | | MGN receives monthly aggregated contributions via the Retailers. There is no system data recorded to enable disaggregation into the AER groupings. | | |
| New medium density / high rise | There were no Capital contributions received by MG | N for this connection type | | | | |
| Industrial & Commercial Tariff | There were no Capital contributions received by MG | N for this connection type | | | | |
| Industrial & Commercial Contract | Manual data extraction for Tariff D and L, from GCAs | Actual | | | | |

E5.4.2 – Number of Capital Contributions – by Connection Type

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Additional Comments |
|-----------|--|----------------------|------------------------|
| 2017-2021 | | | |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments | |
|-------------------------------------|--|-----------------------|------------------------------|------------------------|--|
| Electricity to gas | There were no capital contributions received by MC | N for this connection | n type. | | |
| New homes | MG receives monthly aggregated contributions via the Retailers. As there is no system data recorded to enable disaggregation into the AER groupings, this has resulted in a 'Null' response. | | | | |
| New medium density / high rise | There were no capital contributions received by MGN for this connection type. | | | | |
| Industrial & Commercial Tariff | There were no Capital contributions received by MGN for this connection type. | | | | |
| Industrial & Commercial Contract | Count of manual data extraction for Tariff D and L, from GCAs | Actual | | | |

Attachment 2

Workbook 2 - E6. Non-Network

E6.5 – Telemetry

E6.5.1 – Capex – by Project

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|--|--|----------------------------------|---------------------------------------|--|
| 2017-2021 | Refer to the Regulatory Cost Allocation Methodology document for Capex and related Network Overheads presented below. Refer to the Regulatory Accounting Principles and Policies and Co be included or excluded from capex for regulatory purposes, and | ost Allocation Methodology docul | ments for guidance on certain expendi | |
| A. Direct Internal labour expenditure | MGN has categorised Network Overheads as 'Direct Internal Labour Expenditure'. The Network Overheads relate to capitalised labour costs which are pooled and allocated to each relevant category of Capex on a pro-rata basis, based on the amount of overhead costs and the level of direct expenditure incurred in each Capex project. | Actual | | The annual aggregate of overhead allocation for each MAT code is extracted from the same data file as the direct costs. |
| B. Direct Contractor expenditure | Data was sourced from cost data uploads from the Service Providers under the existing OMSA and Contract Payments to Contractors delivering projects awarded under competitive tender. Capex reported for Non-Network relates to Telemetry with reference to the SAP MAT codes of PRA, PRF, PZZ & PTA. The reported Non-Network (Telemetry) projects are identified by the following projects in SAP: • Gas Detectors and Flow Meters: • MG-COM-000424 • MG-COM-000425 | Actual | | Note: Negative amounts reported in the RIN template represent reversal of accruals or transfer of shared costs between projects A retrospective adjustment has been processed in 2021 to reclassify |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|--------------------------------|---|-------------------|------------------------------|---|
| | MG-COM-000451-01 MG-COM-000452-01 MG-COM-000453-02 MG-COM-000474 Minor SCADA Projects: MG-COM-000295 & MG-COM-000429 NCC Relocation Project: MG-CPL-900000 Radios / RTUs and Pressure Transmitters: MG-COM-000422, 000466, 000477, 000489, 000514, 000528, 000549 & 000556 Remote Pressure Monitoring (Point Blue): MG-CPL-000052 & 00082 SCADA Control: MG-COM-000396, 000397, 000407 & 000442 SGP Chromatograph: MG-COM-000363 TRIO Radio Replacement & StreamIng: MG-COM-000387 & MG-CPL-000058 Costs for all projects are assigned to SCADA Asset Class. Note that the portion of costs for NCC Relocation Project covers the SCADA / Field SCADA equipment. The remainder of costs for this project are reported in tab E12 ICT and classified as IT system. | | | \$4.349 million of the Network Control Relocation project expenditure from Non-Network (Telemetry) to ICT. This follows a detailed review of the project life to date costs. |
| C. Direct Material expenditure | MGN does not incur Direct material expenditure in reperformed under the existing OMSA. Accordingly the | | | |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|-------------------------------------|--|---------------------------|-------------------------------|------------------------|
| | | | | |
| D. Direct Other expenditure | MG does not incur Other Direct expenditure in relation to delivery of its Capex program. Delivery of MG's Capex program is performed under the existing OMSA and panel contractor arrangements. Accordingly this expenditure is reported as Direct Contractor expenditure above. | | | |
| E. Related Party margin expenditure | There was no Related Party margin related to Non-Network (Telemetry) work. | | | |
| F. Capital Contributions | MG has received no Capital Contributions in relation | to expenditure reported a | as Non-Network (Telemetry) ca | apex. |

Attachment 2

Workbook 2 - E10. Overheads

E10.1- Network

E10.1.1 – Opex

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments | |
|---------------------------|---|-------------------|------------------------------|------------------------|--|
| 2017-2021 | Refer to the Regulatory Cost Allocation Methodology document for a description of the systems and processes that support MGN's cost capture and reporting Capex and related Network Overheads presented below. | | | | |
| | Refer to the Regulatory Accounting Principles and Policies and Cost Allocation Methodology documents for guidance on certain expenditure categories that may be included or excluded from capex for regulatory purposes, and in relation to MGN's policies and processes for cost allocation. | | | | |
| Reference Services | MGN does not separately identify Opex overhead costs, therefore a Null response is provided to this RIN table. | | | le. | |
| Non-reference Services | MGN does not separately identify Opex overhead costs, therefore a Null response is provided to this RIN table. | | | le. | |

E10.1.2 – Capex

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|--------------------|--|--------------------------------|------------------------------|----------------------------------|
| 2017-2021 | Refer to the Regulatory Cost Allocation Methodology a description related Network Overheads presented below. | n of the systems and processes | that support MGN's cost ca | pture and reporting of Capex and |
| Reference Services | The Network Overheads reported as Capex in this table is the sum of the capitalised overheads reported under Direct Internal Labour Expenditure in each of the following schedules in the Workbook 2 including: E2 Mains replacement E3 Mains Augmentation | Actual | | |

Attachment 2

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|---------------------------|--|-------------------------------|------------------------------|---------------------|
| | E4 Meter Replacement E5 New Connections E6 Non-Network-Telemetry E12 ICT E13 Other Capex | | | |
| Non-reference Services | MGN has no Capex to report for Non-reference Serv | ices as all of its capital ac | tivities relate to Refer | ence Services. |

E10.2 – Corporate

E10.2.1- Opex

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|---------------------------|--|---------------------------|---------------------------------|------------------------|
| 2017-2021 | | | | |
| Reference Services | MGN does not allocate or account for its internal con table. | porate costs as overheads | s. Therefore a Null response is | provided to this RIN |
| Non-reference Services | MGN does not allocate or account for its internal cor table. | porate costs as overheads | s. Therefore a Null response is | provided to this RIN |

E10.2.2 – Capex

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|---------------------------|--|---------------------------|---------------------------------|------------------------|
| 2017-2021 | | | | |
| Reference Services | MGN does not allocate or account for its internal con table. | rporate costs as overhead | s. Therefore a Null response is | provided to this RIN |
| Non-reference Services | MGN does not allocate or account for its internal con table. | rporate costs as overhead | s. Therefore a Null response is | provided to this RIN |

Attachment 2

Workbook 2 - E12. Information and Communication Technology

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|---|--|-------------------|---------------------------------|---|
| 2017-2021 | Refer to the Regulatory Cost Allocation Methodology document for Capex and related Network Overheads presented below. | | | , , , , |
| | Refer to the Regulatory Accounting Principles and Policies and Co included or excluded from capex for regulatory purposes, and in | 00 | <u> </u> | ure categories that may b |
| A. Direct Internal labour expenditur | 5 5 1 | Actual | | The annual aggregate of overhead allocation for each MAT code is extracted from the same data file as the direct costs. |

E12.1 – Capex – by Project

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|-------------------------------------|--|-------------------|------------------------------|--|
| B. Direct Contractor expenditure | Data was sourced from actual costs invoiced by Service Providers and Contractors. The reported ICT projects are identified by the following projects in SAP: Corporate Desktop/Laptop: MG-CIT-000003 End of Year FY changes: MG-CIT-000082 IT Application Enhancement (Accenture): MG-CIT-000012 IT Transition Project: MG-CIT-000084 Security Program - MG: MG-CIT-000080 & 000092 Work Planning & Scheduling MG: MG-CIT- 000075 Data Centre Capacity Expansion: MG-CIT- 000086, 00093 & 00095 GIS upgrade: MG-CIT-000089 Life Support: MG-CIT-000089 Life Support: MG-CIT-000096 NCC transfer: MG-CIT-000100 AGIG IT Strategy and Roadmap: MG-CIT- 000091 & 000101 All ICT projects reported form part of the IT system Asset Class. | Actual | | Note: Negative amounts reported in the RIN template represent reversal of accruals or transfer of shared costs between projects. A retrospective adjustment has been processed in 2021 to reclassify \$4.349 million of the Network Control Relocation project expenditure from Non-Network (Telemetry) to ICT. This follows a detailed review of the project life to date costs. |
| C. Direct Material expenditure | Data was sourced from actual costs invoiced by Service Providers and Contractors. Individual MAT | Actual | | Note: Negative amounts reported in the RIN template represent reversal of accruals or |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|-------------------------------------|--|---------------------------|-------------------------------|---|
| | codes for each cost category are listed as GIH and GIS. | | | transfer of shared costs between projects |
| D. Other Direct expenditure | MGN does not incur other direct expenditure in relati reported as Direct Contractor and Direct Material exp | | x program. Accordingly this e | expenditure is |
| E. Related Party margin expenditure | There was no Related Party margin attributable to IC | CT work. | | |
| F. Capital Contributions | MGN has received no Capital Contributions in relation | n to expenditure reported | as ICT capex. | |

Attachment 2

Workbook 2 - E13. Other Capex

E13.1 – Other Capex – by Project

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|--|---|---------------------------------|---------------------------------------|---|
| 2017-2021 | Refer to the Regulatory Cost Allocation Methodology document for Capex and related Network Overheads presented below. Refer to the Regulatory Accounting Principles and Policies and Co included or excluded from capex for regulatory purposes, and in | nst Allocation Methodology docu | ments for guidance on certain expendi | |
| A. Direct Internal labour expenditure | MGN has categorised Network Overheads as 'Direct Internal Labour Expenditure'. The Network Overheads relate to capitalised labour costs which are pooled and allocated to each relevant category of Capex on a pro-rata basis, based on the amount of overhead costs and the level of direct expenditure incurred in each Capex project. | Actual | | The annual aggregate of overhead allocation for each MAT code is extracted from the same data file as the direct costs. |
| B. Direct Contractor expenditure | Data was sourced from cost data uploads from the Service Providers under the existing OMSA and Contract Payments to Contractors delivering projects awarded under competitive tender. Capex reported for Other Capex relates to Non Network; Accommodation; Performance - Other; Replacement - Other; Large Recoverable Works & Other. The reported Other Capex - Non Network include the following projects in SAP: Gas Detection Equipment: MG-COT-000022 & 000026 | Actual | | The total amount reported for Other Capex differs to what was reported in the Historic Annual RIN for each year from 2017 to 2021. This is a result of the reclassification of Reactive Service Renewals from Other Capex to Mains Repex. (refer |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|----------|--|-------------------|------------------------------|--|
| | Specialist Tools and Equipment: MG-COT- 000028, 000029, 000034 & 000039 Costs for above projects are assigned to Other - Non IT. The reported Other Capex - Accommodation include the following projects in SAP: Facilities - Lease fitout: MG-COT-000023 Facilities - Modifications: MG-COT-000023, 000045, 000046 & 000080 South Melbourne Yard Capital Works: MG- COT-000025 & 000033 Costs for all above projects are assigned to Buildings Asset Class. The reported Other Capex - Performance Other include the following projects in SAP: Transmission Pipeline Management: MG-COM-000254 MG-COM-000310 MG-COM-000315 MG-COM-000355 MG-COM-000395 MG-COM-000441 MG-COM-000441 MG-COM-000516 | | | also to E2 Mains Repex). Please refer to Appendix A for the reclassified amount for each year. Note: Negative amounts reported in the RIN template represent reversal of accruals or transfer of shared costs between projects. |
| | MG-COM-079154 | | | |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|----------|---|-------------------|------------------------------|------------------------|
| | MG-COM-079254 MG-COM-179259 MG-COT-000024 MG-COT-000032 | | | |
| | Costs for the above project are assigned to Transmission and Distribution Asset Class. | | | |
| | New Cathodic Protection Works: MG-COT- 000032 & 000529 Existing Cathodic Protection Works: MG- COM-000128, 000177, 000431, 000479, 000496, 000530 & 000558 | | | |
| | Costs for the above projects are assigned to Cathodic Protection Asset Class. | | | |
| | Distribution Valves: MG-COM-000062, 000076, 000154, 000234, 000253, 000281, 000287, 000547 | | | |
| | Costs for the above projects are assigned to Supply Reg/Valve Stations Asset Class. | | | |
| | The reported Other Capex - Replacement Other include the following projects in SAP: | | | |
| | ASR - 3G Modem Upgrade: MG-COM- 000022 & 000214 | | | |
| | Costs for the above project are assigned to SCADA Asset Class. | | | |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|----------|--|-------------------|------------------------------|------------------------|
| | ASR - Equipment Enclosures: MG-COM-000448, 000463 & 000485 ASR - Pit Lid Replacements: MG-COM-000334-000337 & 000354 ASR - Vent Stack Installations: MG-COM-000434 & 000534 RJA - Pit lid replacements North: MG-COM-000232 Costs for the above projects are assigned to Other - Non IT Asset Class. | | | |
| | ASR - Fisher 298 Regulator Replacement 18: MG-COM-000356 ASR - Grove Regulator Replacements: MG- COM-000364, 000415 & 000455 ASR - 1&C Axial Flow Reg Mods: MG-COM- 000365 ASR - 1&C Regulator Replacements 2017: MG-COM-000282 & 000366 ASR - 1&C Regulator Replacements 2018: MG-COM-000357 ASR - 1&C Regulator Replacements 2019: MG-COM-000420 ASR - 1&C Regulator Replacements 2020: MG-COM-000467 ASR - Istall Gas Detectors South FY16: MG-COM-000435 ASR - Springvale & Cheltenham Reg Repl: MG-COM-000437 Fisher Replacements: MG-COM-000356 | | | |

Attachment 2

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|--------------------------------|---|-------------------|------------------------------|------------------------|
| | Kooyong & Glen Eira Repl. Works: MG- COM-000292 Minor Projects - Replacement: Various MG- COM projects RJA - Cadbury Valve Replacement: MG- COM-000250 RJA - Jordan Actuator Replacements: MG- COM-000249 & 000258 Costs for the above projects are assigned to Supply Reg/Valve Stations Asset Class. The reported Other Capex - Mains Alterations/Large Recoverable Works include the following projects in SAP: | | | |
| | Chelsea Rail Crossing: MG-COM-000490 MG-COM-000502 MG-COM-000506 MG-CPL-000061 Warburton Natural Gas Extension: MG-COM-000160 & MG-COM-000352 LRW - Oliver Ave Rail Abandonment: MG-COM-000381 & MG-COM-000159 | | | |
| C. Direct Material expenditure | Data was sourced from SAP for direct purchases relating to vehicles and specialist office equipment.Gas Operations Vehicles: MG-COT-000039 | Actual | | |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|--|--|-------------------|---------------------------------|---|
| | Costs for the above project are assigned to Other - Non IT Asset Class. | | | |
| | Facilities - Specialist Office Equipment: MG- COT-000039 | | | |
| | Costs for the above project are assigned to Buildings Asset Class. | | | |
| D. Other Direct expenditure | MGN does not incur other direct expenditure in relat as Direct Contractor and Direct Material expenditures | | x program. Accordingly this exp | penditure is reported |
| E. Related Party margin expenditure | There was no Related Party margin attributable to O | ther Capex work. | | |
| F. Capital Contributions | The Capital contributions received by MGN in relation to Other Capex, include projects such as the following which are sourced from SAP: Warburton Natural Gas Extension: MG-COM-000160 Highett Relocation Works: MG-COM-000350 Lilydale Rail Crossing: MG-COM-000491 Mooroolbark Rail Crossing: MG-COM-000497 SGH Dandenong Sth: MG-COM-000520 | Actual | | There is a reclassification of \$1.4 million of Customer Contributions from Mains Replacement to Other Capex in 2021. See Appendix A for details. |

Attachment 2

Workbook 3 - Efficiency Carryover Mechanism

7.5.1 – The carryover amounts that arise from applying the ECM during the current regulatory control period 7.5.1.1 – Opex Allowance applicable to ECM

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|----------------------|---|-------------------|---|--|
| Total Opex Allowance | 2016-2017 (\$Dec 2012) AER approved forecast in \$Dec 2012 from AER published MGN's Final Decision PTRM March 2013 (EXC debt raising costs, INC ancillary reference services excluding UAFG). 2018-2021 (\$Dec 2017) AER approved forecast in \$Dec 2017 from AER published MGN's Final Decision PTRM 2018-2022 (inc debt raising costs, ancillary reference services excluding UAFG). | Estimate | Estimate approved by AER as part of prior GAAR. | 2016-2017 Follows same logic as AER Draft Decision Efficiency Carryover mechanism which was used for Final Decision. 2018- 2022 follows logic set out in Access Arrangement. |
| Debt raising costs | 2016-2017 (\$Dec 2012) Not included. 2018-2021 (\$Dec 2017) AER approved forecast in \$Dec 2017 from AER published MGN's Final Decision PTRM 2018- 2022. | Estimate | Estimate approved by AER as part of prior GAAR. | 2016-2017 Follows same logic as AER Draft Decision Efficiency Carryover mechanism which was used for Final Decision. 2018- 2022 follows logic set out in Access Arrangement. |

Attachment 2

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|--|---|-------------------|--|---|
| Insurance | N/A | | | |
| Superannuation costs for defined benefits and retirement schemes | N/A | | | |
| Other specific non controllable costs | N/A | | | |
| Retailer of last resort costs | N/A | | | |
| Capitalisation policy changes | N/A – constant regulatory capitalisation policy through AA. | | | |
| Change in scope adjustment | 2016-2017 \$2012 AER - Draft Decision Efficiency Carry-over Mechanism (ECM) Model - July 2017. 2018-2021 NA | Estimate | Carry over estimate based on these amounts approved by AER as part of prior GAAR. | 2016-2017 Follows same logic as AER Draft Decision Efficiency Carryover mechanism which was used for Final Decision. 2018- 2022 follows logic set out in Access Arrangement (no change in scope adjustment) |

7.5.1.2 – Actual and Estimated Opex applicable to ECM

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|--------------------|--|-------------------|------------------------------|---|
| Total Opex | 2016-2017 (\$Nominal) From unpublished MGN's Annual RIN Reporting Templates submitted to the AER (inc debt raising costs, ancillary reference services excluding UAFG). 2018-2021 (\$Nominal) From published (2021 yet to be published) MGN's Annual RIN Reporting Templates (inc debt raising costs, ancillary reference services excluding UAFG). | Actual | | 2016-2017 Follows same logic as AER Draft Decision Efficiency Carryover mechanism which was used for Final Decision and template sent from AER for half year carryover calculation in 2023. 2018-2022 follows logic set out in Access Arrangement |
| Debt raising costs | 2016-2017 (\$Dec 2012) From unpublished MGN's Annual RIN Reporting Templates submitted to the AER. 2018-2021 (\$Nominal) From published (2021 yet to be published) MGN's Annual RIN Reporting Templates. | Actual | | 2016-2017 Follows same logic as AER Draft Decision Efficiency Carryover mechanism which was used for Final Decision and template sent from AER for half year carryover calculation in 2023. 2018-2022 follows logic set out in Access Arrangement |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|---|---|-------------------|---|---|
| Insurance | N/A | | | |
| Superannuation costs for defined benefits and retirement schemes | N/A | | | |
| Other specific non controllable costs | 2016-2017 (\$nominal) License Fees From unpublished MGN's Annual RIN Reporting Templates submitted to the AER. | | Consistent with template sent from AER for half year carryover calculation in 2023. | 2016-2017 Follows same logic as AER Draft Decision Efficiency Carryover mechanism which was used for Final Decision and template sent from AER for half year carryover calculation in 2023. |
| Opex associated with approved cost pass through | N/A | | | |
| Capitalisation policy changes | N/A | | | |
| Movements in provisions related to opex | 2016-2017 (\$Nominal) Movement in provisions From unpublished MGN's Annual RIN Reporting Templates submitted to the AER Excludes UAFG provisions and Environmental provisions classified as non-reg. | Actual | Consistent with template sent from AER for half year carryover calculation in 2023. | As per access arrangements in 2016-2017 and 2018-2022, consistent with template sent from |

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|----------|--|-------------------|------------------------------|--|
| | 2018-2021 (\$Nominal) Movement in provisions Calculated from provisions published (2021 yet to be published) in MGN's Annual RIN Reporting Templates. Excludes UAFG provisions and Environmental provisions classified as non-reg. | | | AER for half year carryover calculation in 2023. |

Attachment 2

Workbook 6 - CESS

Reported Capex

| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments |
|---------------------------|---|------------------------------------|---------------------------------------|---|
| Total Capex | 2018-2021 Published MGN's Annual RIN Templates (2021 yet to be published) | 2018-2021 Actuals/2022 Estimate | 2022 not over by the time RIN due. | 2022 Estimate sourced from Fina Plan Roll-Forward Model |
| Customer Contributions | 2018-2021 Published MGN's Annual RIN Templates (2021 yet to be published) | 2018-2021 Actuals/2022 Estimate | 2022 not over by the time RIN due. | 2022 Estimate sourced from Final Plan Roll-Forward Model |
| Asset Disposal | 2018-2021 Published MGN's Annual RIN Templates (2021 yet to be published) | 2018-2021 Actuals/2022 Estimate | 2022 not over by the time RIN due. | |
| Other excludable Capex | 2018-2021 RIN F2.4.3 - MOVEMENT IN PROVISIONS ALLOCATED TO AS-INCURRED CAPEX | 2018-21 Actuals/2022 Estimate | 2022 not over by the time RIN due. | 2022 Estimate sourced from Final Plan Roll-Forward Model |

| Reported Performance | | | | | |
|-----------------------------|--|-------------------|------------------------------|--|--|
| Variable | Data source, Methodology and Assumptions | Actual / Estimate | Justification (if estimated) | Additional Comments | |
| Customer numbers | ESV tracking report Distribution annual customers total | Actual | | As specified by the AA to use ESV reporting. | |
| Length of mains | Specification tracking spreadsheet reported to ESV Distribution annual Total KMS gas distribution mains | Actual | | As specified by the GAAR to use ESV reporting. | |
| Unplanned outages | Specification tracking spreadsheet reported to ESV Distribution quarterly Number of customers affected by unplanned outages for company as a whole | Actual | | As specified by the GAAR to use ESV reporting. | |
| Minutes off Supply | Specification tracking spreadsheet reported to ESV Distribution quarterly Number of minutes of gas supply lost through unplanned outages for company as a whole | Actual | | As specified by the GAAR to use ESV reporting. | |
| Publicly reported gas leaks | Specification tracking spreadsheet reported to ESV | Actual | | As specified by the GAAR to use ESV reporting. | |

Attachment 2

Appendix A – Consistency of Reset RIN Financial Data to Annual RINs

(1) Reclassification of Reactive Service Renewal Project expenditure

The total amount reported for Mains Repex differs to what was previously reported in the Annual RINs for each year from 2017 to 2021. This is a result of the reclassification of 'Reactive Service Renewal' projects from Other Capex to Repex. Please refer to the below table for the reclassification of Reactive Service Renewal project expenditure from Other Capex to Mains Replacement. This 'capex driver' reclassification aligns with the AA RIN Reactive Mains Replacement category classification and has no impact from a MGN RAB perspective.

| Service Renewal Projects (Reclassified) | 2017 | 2018 | 2019 | 2020 | 2021 |
|--|------------|------------|------------|--------------|--------------|
| MG-COM-000273: Commercial Renewal | 41,922.13 | 11,124.94 | 4,059.61 | 11,899.16 | 200,237.29 |
| MG-COM-000313: Enlargement | | | | -88.12 | |
| MG-COM-000318: High Pressure Renewal | 165,940.18 | 92,778.94 | 13,711.13 | 298,782.04 | 444,046.85 |
| MG-COM-000413: Low Pressure Renewal | 509,445.98 | 439,901.13 | 520,087.20 | 577,580.64 | 672,949.86 |
| MG-COM-000504: Relocation Renewal | -282.34 | 10,214.32 | | 7,467.32 | 13,792.85 |
| MG-COM-000569: Trunk Renewal | 105,233.26 | 1,522.18 | 47,028.36 | 212,979.13 | 253,357.68 |
| MG-COM-000574: Domestic Complex | 5,132.51 | 771.32 | 9,506.91 | | 11,858.69 |
| Total Direct Cost | 827,391.72 | 556,312.83 | 594,393.21 | 1,108,620.17 | 1,596,243.22 |
| Overheads | 47,454.28 | 39,854.11 | 77,892.99 | 54,054.85 | 120,118.30 |
| Total Reactive Service Renewals Projects | 874,846.00 | 596,166.94 | 672,286.20 | 1,162,675.02 | 1,716,361.52 |

(2) Reclassification of Customer Contributions

A reclassification of \$1.444 million of Customer Contributions was reclassified from Mains Replacement to Other Capex. The reclassification relates to the following regulated recoverable work projects:

- Lilydale Rail Crossing of \$0.575 million;
- South Gippsland infrastructure of \$0.564 million; and
- Mooroolbark Rail Crossing of \$0.305 million.