



REGULATORY DISCLOSURE

# Gas transmission services: Peak flow disclosure

Year ended 30 September 2023



## Introduction

Firstgas is part of the Clarus group of companies which is one of New Zealand's largest energy groups with businesses that touch many aspects of the energy supply chain including Rockgas, Firstgas, Firstlight Network, First Renewables and Flexgas. Whether it's transmission, distribution, supply or storage of energy, the companies within the Clarus group service over half a million homes and businesses of all sizes around New Zealand.

Firstgas owns and operates more than 2,500 kms of high pressure gas transmission pipelines and stations that supply natural gas from Taranaki to industrial consumers throughout the North Island. It also owns 4,800kms of gas distribution networks across parts of the North Island. Combined, Firstgas connects over 300,000 homes and businesses with natural gas through its transmission and distribution systems. This essential infrastructure supports New Zealand's economy, so the group is committed to helping customers maximise value from it. Flexgas provides energy storage services to electricity generators, offering an important source of flexibility to the electricity system and supporting high levels of intermittent wind, hydro and solar generation.

Rockgas is New Zealand's largest LPG retail supplier, providing fast and reliable service through a national network of branches and franchises.

Firstlight Network is the lines company supplying electricity to the Tairāwhiti and Wairoa region, responsible for keeping the lights on across 12,000 square kilometres of the East Coast.

We are also investing in innovative renewable energy solutions such as biomethane and hydrogen, to help New Zealand reach its net zero carbon goals by 2050. Our First Renewables business is leading this work, alongside other options that will bring renewable energy to New Zealand homes, businesses and energy-intensive industries in the future.

Clarus was previously known as Firstgas Group.

## Compliance statement

This document is a regulatory disclosure prepared pursuant to section 2.5.2 of the *Gas Transmission Information Disclosure Determination 2012* consolidating all amendments as of 24 March 2015 issued by the Commerce Commission. The regulatory disclosure covers Firstgas; as ' gas transmission business (both the Maui and Non-Maui transmission systems) for the 12-month period ending 30 September 2023.

This regulatory disclosure was prepared on 30 November 2023.

## Further information

For further information regarding this regulatory disclosure, please contact:

Saba Malik  
Regulatory Policy Manager  
First Gas Limited  
[Saba.Malik@firstgas.co.nz](mailto:Saba.Malik@firstgas.co.nz)

**Disclaimer**

For presentation purposes, some numbers in the regulatory disclosure have been rounded. This may cause small discrepancies or rounding inconsistencies when aggregating some of the information presented in the document. These discrepancies do not affect the overall calculations which are based on the more detailed information.

## Table of Contents

|                                  |    |
|----------------------------------|----|
| Introduction .....               | 2  |
| Table of Contents .....          | 4  |
| 1. Peak flow information.....    | 5  |
| 1.1 North System.....            | 5  |
| 1.2 Central North System.....    | 6  |
| 1.3 Central South System .....   | 7  |
| 1.4 Bay of Plenty System .....   | 8  |
| 1.5 Frankley Road System.....    | 10 |
| 1.6 Maui System.....             | 11 |
| 2. Peak hourly information ..... | 12 |
| 2.1 North System.....            | 12 |
| 2.2 Central North System.....    | 28 |
| 2.3 Central South System .....   | 38 |
| 2.4 Bay of Plenty System .....   | 40 |
| 2.5 South System .....           | 55 |
| 2.6 Frankley Road System.....    | 68 |
| 2.7 Maui System.....             | 73 |

## 1. Peak flow information

### 1.1 North System

| INTAKE POINTS   | OFFTAKE POINTS<br>>2000 GIGAJOULES<br>DURING PEAK FLOW<br>PERIOD | SYSTEM PEAK FLOW |                    | OFFTAKE PEAK FLOW |                    |
|---|--|------------------|--------------------|-------------------|--------------------|
|   |  | Period<br>Ending | Throughput<br>(GJ) | Period<br>Ending  | Throughput<br>(GJ) |
| Rotowaro Net Flow North<br>(Total Rotowaro Flow minus CEN Flow) |  | 11-Aug-23        | 304,208            |                   |                    |
|   | Bruce McLaren  | 11-Aug-23        | 7,791              | 11-Aug-23         | 7,791              |
|   | Drury  | 11-Aug-23        | 4,921              | 16-Jun-23         | 5,713              |
|   | Flat Bush  | 11-Aug-23        | 7,115              | 18-Aug-23         | 7,201              |
|   | Glenbrook  | 11-Aug-23        | 24,558             | 27-Jan-23         | 29,478             |
|   | Harrisville 2  | 11-Aug-23        | 8,436              | 28-Jul-23         | 9,172              |
|   | Henderson  | 11-Aug-23        | 15,176             | 25-Aug-23         | 15,783             |
|   | Hunua  | 11-Aug-23        | 3,412              | 16-Jun-23         | 3,763              |
|   | Kauri  | 11-Aug-23        | 7,695              | 09-Dec-22         | 11,360             |
|   | Maungaturoto   | 11-Aug-23        | 4,732              | 14-Oct-22         | 8,716              |
|   | Papakura   | 11-Aug-23        | 43,209             | 02-Dec-22         | 47,984             |
|   | Tuakau   | 11-Aug-23        | 6,535              | 21-Oct-22         | 10,940             |
|   | Waikumete  | 11-Aug-23        | 26,114             | 16-Jun-23         | 26,787             |
|   | Waitoki  | 11-Aug-23        | 4,298              | 25-Aug-23         | 4,385              |
|   | Warkworth  | 11-Aug-23        | 6,370              | 28-Jul-23         | 6,583              |
|   | Westfield  | 11-Aug-23        | 127,485            | 12-May-23         | 144,899            |
|   | Whangarei  | 11-Aug-23        | 2,810              | 11-Aug-23         | 2,810              |

#### Note:

1. The North system peak flow period was identified as the period ending 11 August 2023.
2. Consistent with the Asset Management Plan, the duration of the peak flow period is 5 days (Monday to Friday inclusive). This is for both the system peak flow period and the offtake peak flow period.
3. Offtake points that had a total throughput of 2,000 Gigajoules or more during the North system peak flow period have been reported.

## 1.2 Central North System

| INTAKE POINTS   | OFFTAKE POINTS<br>>2000 GIGAJOULES<br>DURING PEAK FLOW<br>PERIOD | SYSTEM PEAK FLOW |                    | OFFTAKE PEAK FLOW |                    |
|---|--|------------------|--------------------|-------------------|--------------------|
|   |  | Period<br>Ending | Throughput<br>(GJ) | Period<br>Ending  | Throughput<br>(GJ) |
| Rotowaro Net Flow South<br>(Total Rotowaro Flow minus North Flow) |  | 07-Oct-22        | 140,304            |                   |                    |
|   | Cambridge  | 07-Oct-22        | 9,413              | 25-Aug-23         | 10,749             |
|   | Hamilton Te Kowhai   | 07-Oct-22        | 9,338              | 17-Mar-23         | 13,432             |
|   | Hamilton Temple View   | 07-Oct-22        | 17,603             | 04-Aug-23         | 23,006             |
|   | Horotiu  | 07-Oct-22        | 5,179              | 23-Jun-23         | 7,509              |
|   | Kiwitahi (Degussa)   | 07-Oct-22        | 4,552              | 23-Dec-22         | 4,815              |
|   | Morrinsville DF  | 07-Oct-22        | 3,722              | 04-Nov-22         | 4,789              |
|   | Pokuru OT to BOP   | 07-Oct-22        | 22,248             | 15-Sep-23         | 37,888             |
|   | Tatuanui DF  | 07-Oct-22        | 6,262              | 08-Sep-23         | 7,067              |
|   | Te Rapa Cogen  | 07-Oct-22        | 55,160             | 03-Feb-23         | 62,072             |
|   | Waitoa   | 07-Oct-22        | 6,810              | 16-Jun-23         | 10,112             |

### Note:

1. The Central North system peak flow period was identified as the period ending 07 October 2022.
2. Consistent with the Asset Management Plan, the duration of the peak flow period is 5 days (Monday to Friday inclusive). This is for both the system peak flow period and the offtake peak flow period.
3. Offtake points that had a total throughput of 2,000 Gigajoules or more during the Central North system peak flow period have been reported.
4. Te Rapa Cogen was included when calculating the timing of the system peak flow period. Te Rapa Cogen was shut down mid-year however the Te Rapa Dairy Factory load remains without the cogeneration unit.
5. Valve at Temple View was open during FY23. Flows through Pokuru OT came from the north (Rotowaro Compressor Station) instead of from KGTP Compressor Station via the 200 pipeline.

### 1.3 Central South System

| INTAKE POINTS | OFFTAKE POINTS<br>>2000 GIGAJOULES<br>DURING PEAK FLOW<br>PERIOD | SYSTEM PEAK FLOW |                    | OFFTAKE PEAK FLOW |                    |
|---------------|--|------------------|--------------------|-------------------|--------------------|
|               |  | Period<br>Ending | Throughput<br>(GJ) | Period<br>Ending  | Throughput<br>(GJ) |
| Kapuni        |  | 18-Aug-23        | 21,694             |                   |                    |
|               | New Plymouth   | 18-Aug-23        | 15,484             | 11-Aug-23         | 16,276             |
|               | Eltham   | 18-Aug-23        | 2,167              | 16-Jun-23         | 2,951              |

**Note:**

1. The Central South system peak flow period was identified as the period ending 18 August 2023.
2. Consistent with the Asset Management Plan, the duration of the peak flow period is 5 days (Monday to Friday inclusive). This is for both the system peak flow period and the offtake peak flow period.
3. Offtake points that had a total throughput of 2,000 Gigajoules or more during the Central South system peak flow period have been reported.
4. The throughput for Pokuru Offtake was supplied from the North (Rotowaro Compressor Station) and is not included when calculating the timing of the system peak flow period.

**1.4 Bay of Plenty System**

| INTAKE POINTS | OFFTAKE POINTS<br>>2000<br>GIGAJOULES<br>DURING PEAK<br>FLOW PERIOD | SYSTEM PEAK FLOW |                    | OFFTAKE PEAK FLOW |                    |
|---------------|---|------------------|--------------------|-------------------|--------------------|
|               |   | Period Ending    | Throughput<br>(GJ) | Period Ending     | Throughput<br>(GJ) |
| Pokuru        |   | 07-Oct-22        | 22,248             |                   |                    |
| Pokuru 2      |   | 07-Oct-22        | 152,476            |                   |                    |
|               | Edgecumbe DF  | 07-Oct-22        | 19,153             | 15-Sep-23         | 20,357             |
|               | Gisborne  | 07-Oct-22        | 3,591              | 31-Mar-23         | 7,417              |
|               | Kawerau (Caxton)  | 07-Oct-22        | 3,023              | 15-Sep-23         | 3,589              |
|               | Kawerau (Tasman)  | 07-Oct-22        | 8,258              | 10-Feb-23         | 8,974              |
|               | Kinleith (CHH Mill)   | 07-Oct-22        | 51,917             | 24-Feb-23         | 75,728             |
|               | Lichfield 2   | 07-Oct-22        | 18,741             | 08-Sep-23         | 19,290             |
|               | Lichfield DF  | 07-Oct-22        | 9,370              | 25-Nov-22         | 10,105             |
|               | Mt Maunganui  | 07-Oct-22        | 8,237              | 18-Aug-23         | 10,668             |
|               | Pyes Pa   | 07-Oct-22        | 3,173              | 07-Oct-22         | 3,173              |
|               | Reporoa   | 07-Oct-22        | 10,793             | 07-Oct-22         | 10,793             |
|               | Rotorua   | 07-Oct-22        | 5,993              | 04-Aug-23         | 7,659              |
|               | Taupo   | 07-Oct-22        | 2,164              | 16-Jun-23         | 2,693              |
|               | Tauranga  | 07-Oct-22        | 2,525              | 04-Aug-23         | 4,001              |
|               | Tirau DF  | 07-Oct-22        | 4,031              | 16-Dec-22         | 5,781              |
|               | Whakatane   | 07-Oct-22        | 14,517             | 28-Oct-22         | 15,206             |

**Note:**

1. The Bay of Plenty system peak flow period was identified as the period ending 07 October 2022.
2. Consistent with the Asset Management Plan, the duration of the peak flow period is 5 days (Monday to Friday inclusive). This is for both the system peak flow period and the offtake peak flow period.
3. Offtake points that had a total throughput of 2,000 Gigajoules or more during the Bay of Plenty system peak flow period have been reported.



## 1.5 South System

| INTAKE POINTS           | OFFTAKE POINTS<br>>2000 GIGAJOULES DURING<br>PEAK FLOW PERIOD | SYSTEM PEAK FLOW |                    | OFFTAKE PEAK FLOW |                    |
|-------------------------|---|------------------|--------------------|-------------------|--------------------|
|                         |   | Period<br>Ending | Throughput<br>(GJ) | Period<br>Ending  | Throughput<br>(GJ) |
| Kapuni (South)          |   | 07-Oct-22        | 188,693            |                   |                    |
| Rimu Production Station |   | 07-Oct-22        | -                  |                   |                    |
|                         | Belmont   | 07-Oct-22        | 25,336             | 11-Aug-23         | 31,096             |
|                         | Feilding  | 07-Oct-22        | 3,414              | 19-May-23         | 4,314              |
|                         | Hastings  | 07-Oct-22        | 34,523             | 14-Oct-22         | 40,237             |
|                         | Hawera  | 07-Oct-22        | 4,993              | 02-Dec-22         | 6,356              |
|                         | Levin   | 07-Oct-22        | 4,487              | 28-Jul-23         | 4,503              |
|                         | Longburn  | 07-Oct-22        | 4,232              | 07-Oct-22         | 4,232              |
|                         | Marton  | 07-Oct-22        | 3,279              | 07-Oct-22         | 3,279              |
|                         | Pahiatua DF   | 07-Oct-22        | 14,670             | 14-Oct-22         | 15,475             |
|                         | Palmerston North  | 07-Oct-22        | 15,543             | 11-Aug-23         | 18,544             |
|                         | Takapau   | 07-Oct-22        | 2,004              | 07-Oct-22         | 2,004              |
|                         | Waitangirua (Hutt Valley)                                     | 07-Oct-22        | 5,861              | 11-Aug-23         | 7,628              |
|                         | Wanganui  | 07-Oct-22        | 18,620             | 29-Sep-23         | 18,813             |
|                         | Wellington (Tawa)   | 07-Oct-22        | 48,471             | 11-Aug-23         | 54,522             |

**Note:**

1. The South system peak flow period was identified as the period ending 07 October 2022.
2. Consistent with the Asset Management Plan, the duration of the peak flow period is 5 days (Monday to Friday inclusive). This is for both the system peak flow period and the offtake peak flow period.
3. Offtake points that had a total throughput of 2,000 Gigajoules or more during the South system peak flow period have been reported.
4. The throughput for Paraparaumu, Pauatahanui, and Waikanae have been excluded in for FY23 as their system peak flow were less than 2,000 Gigajoules during the peak flow period.

## 1.6 Frankley Road System

| INTAKE POINTS           | OFFTAKE POINTS<br>>2000<br>GIGAJOULES<br>DURING PEAK<br>FLOW PERIOD | SYSTEM PEAK FLOW |                    | OFFTAKE PEAK FLOW |                    |
|-------------------------|---|------------------|--------------------|-------------------|--------------------|
|                         |   | Period<br>Ending | Throughput<br>(GJ) | Period<br>Ending  | Throughput<br>(GJ) |
| Kupe Production Station |   | 11-Aug-23        | 262,552            |                   |                    |
| Kaimiro                 |   | 11-Aug-23        | 10,202             |                   |                    |
| Frankley Road Receipt   |   | 11-Aug-23        | 193,516            |                   |                    |
| Cheal Mixing Station    |   | 11-Aug-23        | 10,075             |                   |                    |
| Stratford 3 Receipt     |   | 11-Aug-23        | 66,268             |                   |                    |
|                         |   |                  |                    |                   |                    |
|                         | Taranaki Combined Cycle   | 11-Aug-23        | 199,490            | 21-Jul-23         | 235,731            |
|                         | Stratford 3 Delivery  | 11-Aug-23        | 10,832             | 30-Dec-22         | 245,992            |
|                         | Stratford 2   | 11-Aug-23        | 39,160             | 20-Jan-23         | 130,360            |
|                         | AUP   | 11-Aug-23        | 95,807             | 21-Oct-22         | 103,224            |
|                         | Maui Bypass   | 11-Aug-23        | 204,307            | 04-Aug-23         | 206,914            |

### Note:

1. The Frankley Road system peak flow period was identified as the period ending 11 August 2023.
2. Consistent with the Asset Management Plan, the duration of the peak flow period is 5 days (Monday to Friday inclusive). This is for both the system peak flow period and the offtake peak flow period.
3. Offtake points that had a total throughput of 2,000 Gigajoules or more during the Frankley Road system peak flow period have been reported.
4. The throughput for Taranaki Combined Cycle, Stratford 2 and Stratford 3 were included when calculating the timing of the system peak flow period.

## 1.7 Maui System

| INTAKE POINTS  | OFFTAKE POINTS<br>>2000 GIGAJOULES<br>DURING PEAK FLOW<br>PERIOD | SYSTEM PEAK FLOW |                    | OFFTAKE PEAK FLOW |                    |
|----------------|--|------------------|--------------------|-------------------|--------------------|
|                |  | Period Ending    | Throughput<br>(GJ) | Period Ending     | Throughput<br>(GJ) |
| Oaonui         |  | 31-Mar-23        | 617,856            |                   |                    |
| Tikorangi 1    |  | 31-Mar-23        | -                  |                   |                    |
| Tikorangi 2    |  | 31-Mar-23        | 112,687            |                   |                    |
| Tikorangi 3    |  | 31-Mar-23        | 452,240            |                   |                    |
| Kowhai         |  | 31-Mar-23        | 9,768              |                   |                    |
| Ngatimaru Road |  | 31-Mar-23        | 302,639            |                   |                    |
| Turangi        |  | 31-Mar-23        | 287,036            |                   |                    |
| Frankley Road  |  | 31-Mar-23        | 64,265             |                   |                    |
|                | Bertrand Road  | 31-Mar-23        | 256,996            | 03-Mar-23         | 279,256            |
|                | Frankley Road  | 31-Mar-23        | 72,296             | 11-Nov-22         | 379,980            |
|                | Huntly Power Station   | 31-Mar-23        | 352,370            | 28-Jul-23         | 432,176            |
|                | Mangorei   | 31-Mar-23        | 34,256             | 07-Jul-23         | 91,112             |
|                | Ngatimaru Road   | 31-Mar-23        | 648,600            | 02-Dec-22         | 692,773            |
|                | Pirongia   | 31-Mar-23        | 12,449             | 26-May-23         | 13,240             |
|                | Pokuru   | 31-Mar-23        | 108,136            | 21-Oct-22         | 155,560            |
|                | Rotowaro   | 31-Mar-23        | 347,151            | 07-Oct-22         | 431,568            |
|                | Te Kuiti South   | 31-Mar-23        | 3,230              | 28-Oct-22         | 3,794              |

**Note:**

1. The Maui system peak flow period was identified as the period ending 31 March 2023.
2. Consistent with the Asset Management Plan, the duration of the peak flow period is 5 days (Monday to Friday inclusive). This is for both the system peak flow period and the offtake peak flow period.
3. Offtake points that had a total throughput of 2,000 Gigajoules or more during the Maui system peak flow period have been reported.

## 2. Peak hourly information

The throughput of gas (in Gigajoules/hour) during each system's Peak 5-day flow period is shown in the following tables. This is reported for all offtake points that had a total throughput of 2,000 Gigajoules or more during their sub-system peak flow period.

### 2.1 North System

Bruce McLaren

| Hour | 7-Aug-2023 | 8-Aug-2023 | 9-Aug-2023 | 10-Aug-2023 | 11-Aug-2023 |
|------|------------|------------|------------|-------------|-------------|
| 0    | 29         | 36         | 39         | 45          | 45          |
| 1    | 26         | 37         | 39         | 42          | 40          |
| 2    | 32         | 39         | 41         | 44          | 43          |
| 3    | 36         | 40         | 42         | 40          | 40          |
| 4    | 35         | 41         | 46         | 50          | 44          |
| 5    | 48         | 51         | 50         | 57          | 54          |
| 6    | 63         | 64         | 66         | 68          | 64          |
| 7    | 77         | 78         | 82         | 85          | 82          |
| 8    | 81         | 86         | 88         | 91          | 88          |
| 9    | 84         | 85         | 87         | 90          | 92          |
| 10   | 80         | 78         | 81         | 86          | 89          |
| 11   | 77         | 84         | 80         | 82          | 87          |
| 12   | 74         | 82         | 75         | 82          | 82          |
| 13   | 72         | 80         | 70         | 81          | 78          |
| 14   | 66         | 69         | 69         | 73          | 73          |
| 15   | 58         | 62         | 65         | 65          | 67          |
| 16   | 58         | 66         | 59         | 65          | 66          |
| 17   | 65         | 74         | 72         | 73          | 75          |
| 18   | 71         | 78         | 81         | 75          | 81          |
| 19   | 74         | 78         | 82         | 80          | 80          |
| 20   | 70         | 74         | 74         | 77          | 71          |
| 21   | 61         | 65         | 66         | 69          | 65          |
| 22   | 53         | 57         | 60         | 61          | 60          |
| 23   | 44         | 45         | 46         | 50          | 47          |

Drury

| Hour | 7-Aug-2023 | 8-Aug-2023 | 9-Aug-2023 | 10-Aug-2023 | 11-Aug-2023 |
|------|------------|------------|------------|-------------|-------------|
| 0    | 27         | 52         | 57         | 60          | 63          |
| 1    | 40         | 53         | 61         | 57          | 64          |
| 2    | 49         | 57         | 62         | 54          | 64          |
| 3    | 56         | 53         | 60         | 57          | 63          |
| 4    | 57         | 47         | 61         | 62          | 68          |
| 5    | 61         | 43         | 62         | 54          | 67          |
| 6    | 49         | 34         | 59         | 50          | 68          |
| 7    | 42         | 21         | 52         | 38          | 65          |
| 8    | 34         | 40         | 39         | 38          | 35          |
| 9    | 34         | 36         | 33         | 35          | 30          |
| 10   | 35         | 34         | 30         | 34          | 31          |
| 11   | 34         | 38         | 28         | 36          | 32          |
| 12   | 35         | 36         | 27         | 34          | 29          |
| 13   | 34         | 34         | 27         | 35          | 25          |
| 14   | 36         | 37         | 24         | 33          | 24          |
| 15   | 37         | 35         | 24         | 33          | 20          |
| 16   | 37         | 38         | 38         | 27          | 25          |
| 17   | 15         | 20         | 26         | 26          | 31          |
| 18   | 24         | 28         | 26         | 27          | 30          |
| 19   | 26         | 25         | 33         | 32          | 32          |
| 20   | 23         | 28         | 29         | 27          | 32          |
| 21   | 28         | 54         | 35         | 45          | 47          |
| 22   | 26         | 62         | 58         | 61          | 59          |
| 23   | 31         | 64         | 51         | 64          | 55          |

Flat Bush

| Hour | 7-Aug-2023 | 8-Aug-2023 | 9-Aug-2023 | 10-Aug-2023 | 11-Aug-2023 |
|------|------------|------------|------------|-------------|-------------|
| 0    | 19         | 45         | 51         | 46          | 51          |
| 1    | 19         | 47         | 52         | 49          | 43          |
| 2    | 18         | 42         | 53         | 48          | 32          |
| 3    | 21         | 42         | 51         | 40          | 31          |
| 4    | 30         | 47         | 52         | 48          | 40          |
| 5    | 50         | 50         | 42         | 55          | 53          |
| 6    | 61         | 59         | 67         | 62          | 71          |
| 7    | 56         | 68         | 76         | 74          | 76          |
| 8    | 58         | 69         | 75         | 78          | 77          |
| 9    | 60         | 69         | 75         | 71          | 83          |
| 10   | 67         | 70         | 75         | 71          | 87          |
| 11   | 58         | 75         | 79         | 77          | 87          |
| 12   | 61         | 76         | 78         | 75          | 83          |
| 13   | 67         | 68         | 74         | 75          | 72          |
| 14   | 59         | 63         | 69         | 73          | 63          |
| 15   | 60         | 69         | 57         | 78          | 70          |
| 16   | 58         | 66         | 65         | 73          | 68          |
| 17   | 64         | 57         | 64         | 67          | 61          |
| 18   | 57         | 55         | 66         | 62          | 57          |
| 19   | 61         | 58         | 67         | 64          | 54          |
| 20   | 51         | 55         | 67         | 65          | 54          |
| 21   | 52         | 59         | 58         | 61          | 49          |
| 22   | 50         | 56         | 44         | 58          | 51          |
| 23   | 51         | 54         | 50         | 54          | 50          |

Glenbrook

| Hour | 7-Aug-2023 | 8-Aug-2023 | 9-Aug-2023 | 10-Aug-2023 | 11-Aug-2023 |
|------|------------|------------|------------|-------------|-------------|
| 0    | 116        | 204        | 203        | 174         | 257         |
| 1    | 112        | 145        | 186        | 196         | 247         |
| 2    | 118        | 168        | 216        | 203         | 276         |
| 3    | 110        | 229        | 215        | 181         | 318         |
| 4    | 128        | 196        | 218        | 148         | 307         |
| 5    | 116        | 232        | 186        | 118         | 285         |
| 6    | 120        | 226        | 202        | 103         | 300         |
| 7    | 112        | 216        | 331        | 147         | 313         |
| 8    | 120        | 184        | 295        | 172         | 313         |
| 9    | 125        | 170        | 274        | 171         | 344         |
| 10   | 122        | 192        | 220        | 176         | 286         |
| 11   | 112        | 177        | 203        | 176         | 192         |
| 12   | 129        | 239        | 190        | 176         | 158         |
| 13   | 112        | 201        | 182        | 180         | 186         |
| 14   | 115        | 180        | 205        | 127         | 177         |
| 15   | 124        | 208        | 230        | 208         | 132         |
| 16   | 118        | 186        | 187        | 223         | 112         |
| 17   | 142        | 215        | 239        | 228         | 123         |
| 18   | 262        | 305        | 344        | 240         | 190         |
| 19   | 226        | 292        | 353        | 226         | 211         |
| 20   | 229        | 314        | 344        | 229         | 237         |
| 21   | 263        | 318        | 338        | 245         | 225         |
| 22   | 199        | 140        | 245        | 277         | 224         |
| 23   | 176        | 164        | 203        | 239         | 167         |

Harrisville 2

| Hour | 7-Aug-2023 | 8-Aug-2023 | 9-Aug-2023 | 10-Aug-2023 | 11-Aug-2023 |
|------|------------|------------|------------|-------------|-------------|
| 0    | 8          | 17         | 61         | 36          | 78          |
| 1    | 20         | 19         | 70         | 48          | 81          |
| 2    | 38         | 43         | 77         | 57          | 89          |
| 3    | 58         | 58         | 88         | 70          | 87          |
| 4    | 55         | 59         | 87         | 58          | 104         |
| 5    | 60         | 47         | 82         | 72          | 107         |
| 6    | 54         | 58         | 130        | 103         | 141         |
| 7    | 93         | 94         | 124        | 121         | 130         |
| 8    | 89         | 87         | 101        | 103         | 97          |
| 9    | 86         | 85         | 94         | 99          | 93          |
| 10   | 104        | 99         | 108        | 100         | 105         |
| 11   | 106        | 106        | 108        | 104         | 102         |
| 12   | 102        | 105        | 110        | 111         | 95          |
| 13   | 95         | 107        | 107        | 108         | 89          |
| 14   | 96         | 106        | 101        | 111         | 79          |
| 15   | 79         | 99         | 89         | 95          | 83          |
| 16   | 62         | 84         | 81         | 97          | 83          |
| 17   | 68         | 42         | 82         | 81          | 75          |
| 18   | 14         | 20         | 38         | 28          | 45          |
| 19   | 10         | 16         | 30         | 34          | 52          |
| 20   | 6          | 21         | 41         | 28          | 39          |
| 21   | 7          | 24         | 24         | 22          | 35          |
| 22   | 6          | 27         | 34         | 32          | 45          |
| 23   | 8          | 43         | 34         | 76          | 22          |



Henderson

| Hour | 7-Aug-2023 | 8-Aug-2023 | 9-Aug-2023 | 10-Aug-2023 | 11-Aug-2023 |
|------|------------|------------|------------|-------------|-------------|
| 0    | 0          | 5          | 10         | 14          | 10          |
| 1    | 0          | 1          | 6          | 7           | 3           |
| 2    | 0          | 0          | 5          | 4           | 0           |
| 3    | 0          | 0          | 3          | 4           | 0           |
| 4    | 0          | 0          | 3          | 5           | 0           |
| 5    | 0          | 0          | 41         | 54          | 0           |
| 6    | 114        | 111        | 146        | 141         | 121         |
| 7    | 205        | 215        | 259        | 261         | 231         |
| 8    | 233        | 252        | 282        | 292         | 243         |
| 9    | 191        | 199        | 204        | 221         | 188         |
| 10   | 166        | 174        | 167        | 187         | 155         |
| 11   | 147        | 158        | 160        | 162         | 139         |
| 12   | 131        | 156        | 155        | 161         | 132         |
| 13   | 125        | 150        | 144        | 163         | 114         |
| 14   | 121        | 133        | 137        | 148         | 95          |
| 15   | 93         | 116        | 129        | 137         | 83          |
| 16   | 112        | 145        | 139        | 156         | 125         |
| 17   | 139        | 200        | 182        | 218         | 174         |
| 18   | 224        | 263        | 244        | 274         | 223         |
| 19   | 240        | 282        | 257        | 280         | 219         |
| 20   | 206        | 236        | 233        | 239         | 180         |
| 21   | 154        | 188        | 184        | 191         | 132         |
| 22   | 73         | 106        | 110        | 109         | 65          |
| 23   | 17         | 38         | 40         | 36          | 20          |

Hunua

| Hour | 7-Aug-2023 | 8-Aug-2023 | 9-Aug-2023 | 10-Aug-2023 | 11-Aug-2023 |
|------|------------|------------|------------|-------------|-------------|
| 0    | 17         | 26         | 22         | 30          | 29          |
| 1    | 17         | 28         | 22         | 36          | 31          |
| 2    | 16         | 30         | 25         | 31          | 27          |
| 3    | 17         | 32         | 23         | 29          | 27          |
| 4    | 19         | 31         | 20         | 36          | 28          |
| 5    | 31         | 27         | 18         | 28          | 27          |
| 6    | 36         | 31         | 30         | 28          | 27          |
| 7    | 32         | 34         | 31         | 35          | 32          |
| 8    | 32         | 32         | 21         | 34          | 29          |
| 9    | 31         | 32         | 32         | 33          | 26          |
| 10   | 29         | 37         | 34         | 36          | 31          |
| 11   | 28         | 35         | 35         | 34          | 30          |
| 12   | 27         | 29         | 31         | 34          | 28          |
| 13   | 27         | 31         | 38         | 33          | 29          |
| 14   | 33         | 35         | 33         | 28          | 26          |
| 15   | 32         | 29         | 37         | 26          | 26          |
| 16   | 29         | 26         | 28         | 26          | 22          |
| 17   | 29         | 30         | 30         | 24          | 28          |
| 18   | 29         | 29         | 30         | 24          | 26          |
| 19   | 28         | 26         | 29         | 30          | 25          |
| 20   | 33         | 24         | 29         | 29          | 22          |
| 21   | 30         | 23         | 31         | 29          | 24          |
| 22   | 29         | 22         | 32         | 31          | 17          |
| 23   | 24         | 27         | 33         | 27          | 11          |

Kauri

| Hour | 7-Aug-2023 | 8-Aug-2023 | 9-Aug-2023 | 10-Aug-2023 | 11-Aug-2023 |
|------|------------|------------|------------|-------------|-------------|
| 0    | 60         | 62         | 73         | 90          | 63          |
| 1    | 60         | 62         | 64         | 76          | 69          |
| 2    | 59         | 92         | 62         | 73          | 72          |
| 3    | 57         | 108        | 60         | 70          | 70          |
| 4    | 58         | 108        | 50         | 71          | 97          |
| 5    | 59         | 113        | 15         | 84          | 113         |
| 6    | 64         | 105        | 17         | 113         | 110         |
| 7    | 62         | 96         | 14         | 106         | 112         |
| 8    | 53         | 68         | 15         | 114         | 113         |
| 9    | 62         | 81         | 5          | 89          | 109         |
| 10   | 54         | 66         | 5          | 64          | 106         |
| 11   | 51         | 67         | 5          | 73          | 107         |
| 12   | 50         | 64         | 6          | 68          | 105         |
| 13   | 16         | 49         | 5          | 97          | 77          |
| 14   | 13         | 36         | 4          | 104         | 48          |
| 15   | 13         | 45         | 6          | 105         | 24          |
| 16   | 32         | 76         | 6          | 103         | 22          |
| 17   | 36         | 66         | 5          | 102         | 21          |
| 18   | 76         | 94         | 10         | 105         | 22          |
| 19   | 65         | 111        | 19         | 77          | 20          |
| 20   | 62         | 108        | 26         | 71          | 20          |
| 21   | 70         | 100        | 63         | 68          | 37          |
| 22   | 73         | 108        | 72         | 72          | 59          |
| 23   | 68         | 105        | 112        | 63          | 58          |

Maungaturoto

| Hour | 7-Aug-2023 | 8-Aug-2023 | 9-Aug-2023 | 10-Aug-2023 | 11-Aug-2023 |
|------|------------|------------|------------|-------------|-------------|
| 0    | 35         | 42         | 39         | 41          | 40          |
| 1    | 37         | 40         | 32         | 41          | 43          |
| 2    | 41         | 43         | 33         | 42          | 40          |
| 3    | 45         | 42         | 41         | 42          | 39          |
| 4    | 42         | 39         | 42         | 42          | 47          |
| 5    | 43         | 37         | 41         | 43          | 43          |
| 6    | 39         | 33         | 44         | 44          | 43          |
| 7    | 37         | 37         | 43         | 41          | 45          |
| 8    | 36         | 40         | 44         | 42          | 32          |
| 9    | 29         | 40         | 44         | 36          | 30          |
| 10   | 30         | 42         | 43         | 28          | 33          |
| 11   | 34         | 40         | 40         | 30          | 34          |
| 12   | 40         | 40         | 42         | 27          | 32          |
| 13   | 39         | 43         | 34         | 44          | 30          |
| 14   | 39         | 43         | 30         | 40          | 32          |
| 15   | 42         | 53         | 31         | 40          | 35          |
| 16   | 44         | 48         | 42         | 35          | 40          |
| 17   | 43         | 34         | 40         | 33          | 41          |
| 18   | 42         | 32         | 42         | 36          | 40          |
| 19   | 39         | 34         | 36         | 38          | 53          |
| 20   | 31         | 42         | 46         | 50          | 41          |
| 21   | 31         | 47         | 35         | 53          | 42          |
| 22   | 36         | 43         | 33         | 55          | 43          |
| 23   | 44         | 38         | 40         | 43          | 41          |

Papakura

| Hour | 7-Aug-2023 | 8-Aug-2023 | 9-Aug-2023 | 10-Aug-2023 | 11-Aug-2023 |
|------|------------|------------|------------|-------------|-------------|
| 0    | 294        | 346        | 335        | 341         | 332         |
| 1    | 282        | 341        | 331        | 342         | 319         |
| 2    | 287        | 326        | 332        | 342         | 320         |
| 3    | 307        | 326        | 331        | 339         | 322         |
| 4    | 319        | 328        | 318        | 339         | 324         |
| 5    | 331        | 345        | 341        | 347         | 340         |
| 6    | 365        | 383        | 390        | 376         | 373         |
| 7    | 398        | 396        | 416        | 402         | 393         |
| 8    | 398        | 393        | 420        | 409         | 393         |
| 9    | 377        | 384        | 395        | 387         | 374         |
| 10   | 360        | 374        | 364        | 362         | 365         |
| 11   | 341        | 379        | 370        | 349         | 359         |
| 12   | 336        | 381        | 371        | 368         | 352         |
| 13   | 347        | 378        | 367        | 374         | 346         |
| 14   | 341        | 363        | 366        | 373         | 342         |
| 15   | 340        | 360        | 366        | 359         | 343         |
| 16   | 342        | 360        | 364        | 356         | 355         |
| 17   | 360        | 375        | 368        | 387         | 371         |
| 18   | 367        | 395        | 381        | 402         | 369         |
| 19   | 374        | 403        | 387        | 400         | 364         |
| 20   | 372        | 391        | 394        | 393         | 362         |
| 21   | 364        | 372        | 383        | 382         | 346         |
| 22   | 366        | 363        | 367        | 354         | 342         |
| 23   | 353        | 352        | 354        | 344         | 329         |

Tuakau

| Hour | 7-Aug-2023 | 8-Aug-2023 | 9-Aug-2023 | 10-Aug-2023 | 11-Aug-2023 |
|------|------------|------------|------------|-------------|-------------|
| 0    | 23         | 25         | 25         | 22          | 25          |
| 1    | 22         | 28         | 27         | 20          | 21          |
| 2    | 28         | 29         | 25         | 23          | 20          |
| 3    | 25         | 26         | 25         | 15          | 20          |
| 4    | 26         | 25         | 27         | 32          | 29          |
| 5    | 30         | 31         | 39         | 38          | 34          |
| 6    | 44         | 42         | 69         | 64          | 42          |
| 7    | 78         | 74         | 86         | 81          | 76          |
| 8    | 69         | 67         | 73         | 77          | 69          |
| 9    | 77         | 69         | 77         | 72          | 69          |
| 10   | 65         | 70         | 75         | 85          | 68          |
| 11   | 71         | 67         | 71         | 73          | 75          |
| 12   | 64         | 62         | 73         | 73          | 68          |
| 13   | 72         | 75         | 76         | 76          | 68          |
| 14   | 72         | 69         | 71         | 76          | 69          |
| 15   | 76         | 70         | 76         | 79          | 62          |
| 16   | 71         | 68         | 71         | 72          | 92          |
| 17   | 66         | 69         | 56         | 73          | 67          |
| 18   | 71         | 68         | 67         | 64          | 65          |
| 19   | 59         | 72         | 41         | 70          | 62          |
| 20   | 41         | 69         | 37         | 72          | 66          |
| 21   | 29         | 63         | 26         | 59          | 62          |
| 22   | 32         | 40         | 30         | 46          | 40          |
| 23   | 35         | 43         | 32         | 33          | 27          |

Waikumete

| Hour | 7-Aug-2023 | 8-Aug-2023 | 9-Aug-2023 | 10-Aug-2023 | 11-Aug-2023 |
|------|------------|------------|------------|-------------|-------------|
| 0    | 125        | 139        | 147        | 148         | 147         |
| 1    | 116        | 129        | 142        | 140         | 135         |
| 2    | 116        | 129        | 138        | 137         | 128         |
| 3    | 123        | 128        | 135        | 137         | 125         |
| 4    | 124        | 134        | 138        | 142         | 125         |
| 5    | 151        | 157        | 168        | 168         | 150         |
| 6    | 227        | 226        | 237        | 235         | 221         |
| 7    | 288        | 291        | 308        | 309         | 291         |
| 8    | 291        | 292        | 308        | 307         | 295         |
| 9    | 265        | 260        | 271        | 274         | 260         |
| 10   | 249        | 246        | 249        | 254         | 248         |
| 11   | 235        | 241        | 244        | 246         | 237         |
| 12   | 220        | 236        | 237        | 240         | 230         |
| 13   | 217        | 234        | 230        | 237         | 221         |
| 14   | 209        | 222        | 226        | 226         | 208         |
| 15   | 199        | 216        | 217        | 221         | 204         |
| 16   | 203        | 227        | 232        | 229         | 219         |
| 17   | 230        | 262        | 267        | 269         | 255         |
| 18   | 271        | 301        | 301        | 303         | 276         |
| 19   | 274        | 304        | 303        | 304         | 272         |
| 20   | 256        | 283        | 282        | 281         | 253         |
| 21   | 226        | 247        | 248        | 249         | 226         |
| 22   | 183        | 198        | 200        | 197         | 192         |
| 23   | 154        | 164        | 166        | 163         | 164         |

Waitoki

| Hour | 7-Aug-2023 | 8-Aug-2023 | 9-Aug-2023 | 10-Aug-2023 | 11-Aug-2023 |
|------|------------|------------|------------|-------------|-------------|
| 0    | 10         | 21         | 23         | 12          | 12          |
| 1    | 8          | 8          | 20         | 8           | 8           |
| 2    | 4          | 6          | 22         | 8           | 7           |
| 3    | 5          | 6          | 15         | 7           | 7           |
| 4    | 5          | 8          | 8          | 8           | 9           |
| 5    | 14         | 18         | 18         | 17          | 18          |
| 6    | 37         | 37         | 39         | 39          | 37          |
| 7    | 53         | 58         | 59         | 60          | 61          |
| 8    | 53         | 69         | 63         | 60          | 73          |
| 9    | 40         | 54         | 58         | 58          | 56          |
| 10   | 44         | 38         | 43         | 47          | 35          |
| 11   | 44         | 34         | 36         | 30          | 30          |
| 12   | 29         | 39         | 27         | 29          | 28          |
| 13   | 26         | 31         | 28         | 29          | 28          |
| 14   | 26         | 28         | 27         | 29          | 24          |
| 15   | 25         | 26         | 25         | 27          | 24          |
| 16   | 28         | 32         | 34         | 36          | 34          |
| 17   | 46         | 50         | 51         | 52          | 46          |
| 18   | 66         | 72         | 67         | 70          | 61          |
| 19   | 65         | 83         | 72         | 70          | 62          |
| 20   | 58         | 77         | 62         | 61          | 53          |
| 21   | 58         | 62         | 54         | 48          | 42          |
| 22   | 43         | 45         | 30         | 30          | 32          |
| 23   | 29         | 30         | 16         | 18          | 18          |



Warkworth

| Hour | 7-Aug-2023 | 8-Aug-2023 | 9-Aug-2023 | 10-Aug-2023 | 11-Aug-2023 |
|------|------------|------------|------------|-------------|-------------|
| 0    | 10         | 58         | 77         | 79          | 64          |
| 1    | 45         | 67         | 77         | 83          | 63          |
| 2    | 50         | 77         | 89         | 69          | 61          |
| 3    | 58         | 87         | 91         | 70          | 63          |
| 4    | 61         | 89         | 95         | 69          | 66          |
| 5    | 51         | 83         | 82         | 63          | 72          |
| 6    | 71         | 79         | 91         | 95          | 96          |
| 7    | 38         | 36         | 71         | 59          | 66          |
| 8    | 50         | 56         | 65         | 60          | 57          |
| 9    | 22         | 29         | 56         | 50          | 48          |
| 10   | 53         | 38         | 67         | 50          | 66          |
| 11   | 66         | 35         | 66         | 49          | 62          |
| 12   | 71         | 54         | 67         | 69          | 77          |
| 13   | 71         | 38         | 53         | 50          | 76          |
| 14   | 74         | 51         | 64         | 42          | 61          |
| 15   | 32         | 29         | 35         | 39          | 31          |
| 16   | 21         | 29         | 23         | 20          | 14          |
| 17   | 13         | 30         | 23         | 25          | 15          |
| 18   | 4          | 16         | 35         | 32          | 28          |
| 19   | 11         | 46         | 34         | 34          | 36          |
| 20   | 10         | 77         | 37         | 43          | 37          |
| 21   | 9          | 80         | 37         | 43          | 38          |
| 22   | 14         | 82         | 53         | 58          | 41          |
| 23   | 30         | 68         | 80         | 62          | 77          |

Westfield

| Hour | 7-Aug-2023 | 8-Aug-2023 | 9-Aug-2023 | 10-Aug-2023 | 11-Aug-2023 |
|------|------------|------------|------------|-------------|-------------|
| 0    | 584        | 716        | 741        | 732         | 745         |
| 1    | 535        | 648        | 700        | 673         | 690         |
| 2    | 557        | 654        | 677        | 700         | 623         |
| 3    | 562        | 623        | 647        | 688         | 596         |
| 4    | 587        | 708        | 699        | 747         | 657         |
| 5    | 750        | 827        | 870        | 892         | 826         |
| 6    | 1,109      | 1,111      | 1,171      | 1,133       | 1,132       |
| 7    | 1,402      | 1,374      | 1,507      | 1,422       | 1,408       |
| 8    | 1,415      | 1,401      | 1,498      | 1,400       | 1,436       |
| 9    | 1,240      | 1,248      | 1,305      | 1,211       | 1,321       |
| 10   | 1,142      | 1,211      | 1,242      | 1,166       | 1,247       |
| 11   | 1,142      | 1,184      | 1,231      | 1,113       | 1,177       |
| 12   | 1,115      | 1,159      | 1,191      | 1,076       | 1,144       |
| 13   | 1,106      | 1,118      | 1,158      | 1,068       | 1,069       |
| 14   | 1,049      | 1,078      | 1,142      | 1,010       | 1,055       |
| 15   | 961        | 1,065      | 1,074      | 1,021       | 1,030       |
| 16   | 1,032      | 1,127      | 1,139      | 1,155       | 1,148       |
| 17   | 1,136      | 1,268      | 1,332      | 1,244       | 1,274       |
| 18   | 1,330      | 1,439      | 1,479      | 1,421       | 1,365       |
| 19   | 1,333      | 1,435      | 1,492      | 1,423       | 1,328       |
| 20   | 1,227      | 1,372      | 1,371      | 1,322       | 1,224       |
| 21   | 1,111      | 1,250      | 1,220      | 1,176       | 1,056       |
| 22   | 966        | 996        | 943        | 986         | 911         |
| 23   | 786        | 833        | 823        | 806         | 761         |

Whangarei

| Hour | 7-Aug-2023 | 8-Aug-2023 | 9-Aug-2023 | 10-Aug-2023 | 11-Aug-2023 |
|------|------------|------------|------------|-------------|-------------|
| 0    | 10         | 11         | 12         | 11          | 12          |
| 1    | 9          | 10         | 11         | 11          | 12          |
| 2    | 10         | 10         | 12         | 10          | 10          |
| 3    | 9          | 10         | 11         | 10          | 11          |
| 4    | 11         | 12         | 13         | 15          | 15          |
| 5    | 16         | 18         | 18         | 18          | 19          |
| 6    | 23         | 26         | 28         | 29          | 26          |
| 7    | 31         | 36         | 35         | 34          | 34          |
| 8    | 28         | 38         | 36         | 35          | 34          |
| 9    | 30         | 38         | 35         | 35          | 36          |
| 10   | 30         | 33         | 36         | 32          | 36          |
| 11   | 33         | 35         | 33         | 32          | 36          |
| 12   | 31         | 35         | 33         | 30          | 33          |
| 13   | 30         | 36         | 31         | 35          | 34          |
| 14   | 28         | 30         | 28         | 32          | 29          |
| 15   | 25         | 28         | 27         | 31          | 23          |
| 16   | 22         | 25         | 27         | 29          | 22          |
| 17   | 21         | 25         | 25         | 31          | 24          |
| 18   | 23         | 27         | 27         | 30          | 27          |
| 19   | 23         | 25         | 26         | 28          | 26          |
| 20   | 21         | 22         | 22         | 24          | 22          |
| 21   | 17         | 19         | 20         | 20          | 20          |
| 22   | 13         | 14         | 14         | 16          | 15          |
| 23   | 10         | 12         | 12         | 13          | 12          |

## 2.2 Central North System

### Cambridge

| Hour | 03-Oct-2022 | 04-Oct-2022 | 05-Oct-2022 | 06-Oct-2022 | 07-Oct-2022 |
|------|-------------|-------------|-------------|-------------|-------------|
| 0    | 62          | 73          | 73          | 87          | 78          |
| 1    | 69          | 70          | 75          | 86          | 75          |
| 2    | 64          | 65          | 71          | 79          | 82          |
| 3    | 66          | 68          | 71          | 61          | 90          |
| 4    | 75          | 69          | 80          | 65          | 87          |
| 5    | 79          | 90          | 87          | 75          | 96          |
| 6    | 84          | 98          | 95          | 77          | 98          |
| 7    | 85          | 89          | 96          | 72          | 88          |
| 8    | 76          | 74          | 96          | 78          | 86          |
| 9    | 75          | 48          | 81          | 83          | 84          |
| 10   | 61          | 45          | 82          | 88          | 70          |
| 11   | 65          | 61          | 80          | 84          | 73          |
| 12   | 65          | 65          | 85          | 75          | 85          |
| 13   | 67          | 66          | 84          | 77          | 84          |
| 14   | 70          | 71          | 85          | 77          | 78          |
| 15   | 69          | 67          | 77          | 83          | 76          |
| 16   | 78          | 78          | 79          | 87          | 76          |
| 17   | 84          | 91          | 76          | 95          | 90          |
| 18   | 75          | 91          | 93          | 94          | 87          |
| 19   | 78          | 85          | 90          | 97          | 92          |
| 20   | 70          | 83          | 93          | 96          | 86          |
| 21   | 56          | 81          | 85          | 96          | 77          |
| 22   | 54          | 68          | 72          | 92          | 78          |
| 23   | 61          | 66          | 82          | 92          | 66          |

Hamiton Te Kowhai

| Hour | 03-Oct-2022 | 04-Oct-2022 | 05-Oct-2022 | 06-Oct-2022 | 07-Oct-2022 |
|------|-------------|-------------|-------------|-------------|-------------|
| 0    | 11          | 33          | 47          | 56          | 44          |
| 1    | 11          | 28          | 43          | 42          | 43          |
| 2    | 17          | 30          | 28          | 39          | 45          |
| 3    | 21          | 38          | 33          | 46          | 52          |
| 4    | 38          | 51          | 50          | 60          | 76          |
| 5    | 63          | 80          | 77          | 95          | 114         |
| 6    | 83          | 112         | 104         | 132         | 155         |
| 7    | 91          | 114         | 114         | 137         | 165         |
| 8    | 88          | 112         | 96          | 131         | 154         |
| 9    | 84          | 94          | 90          | 110         | 128         |
| 10   | 81          | 89          | 84          | 109         | 102         |
| 11   | 77          | 86          | 82          | 105         | 93          |
| 12   | 67          | 77          | 80          | 89          | 88          |
| 13   | 65          | 67          | 74          | 89          | 74          |
| 14   | 63          | 62          | 76          | 82          | 68          |
| 15   | 69          | 58          | 81          | 78          | 65          |
| 16   | 82          | 70          | 98          | 90          | 66          |
| 17   | 92          | 89          | 117         | 112         | 79          |
| 18   | 94          | 90          | 119         | 127         | 90          |
| 19   | 84          | 82          | 118         | 121         | 90          |
| 20   | 72          | 73          | 103         | 108         | 86          |
| 21   | 57          | 70          | 83          | 79          | 78          |
| 22   | 47          | 58          | 68          | 54          | 65          |
| 23   | 36          | 54          | 59          | 49          | 41          |

Hamilton Temple View

| Hour | 03-Oct-2022 | 04-Oct-2022 | 05-Oct-2022 | 06-Oct-2022 | 07-Oct-2022 |
|------|-------------|-------------|-------------|-------------|-------------|
| 0    | 79          | 74          | 108         | 79          | 108         |
| 1    | 80          | 63          | 90          | 69          | 113         |
| 2    | 67          | 61          | 76          | 72          | 112         |
| 3    | 72          | 68          | 73          | 85          | 117         |
| 4    | 84          | 97          | 102         | 114         | 160         |
| 5    | 124         | 154         | 138         | 168         | 215         |
| 6    | 157         | 196         | 182         | 224         | 284         |
| 7    | 162         | 183         | 179         | 214         | 291         |
| 8    | 158         | 182         | 163         | 202         | 247         |
| 9    | 149         | 165         | 149         | 187         | 209         |
| 10   | 147         | 163         | 142         | 188         | 190         |
| 11   | 139         | 164         | 144         | 186         | 166         |
| 12   | 132         | 160         | 133         | 165         | 155         |
| 13   | 121         | 155         | 123         | 163         | 139         |
| 14   | 117         | 138         | 127         | 146         | 124         |
| 15   | 138         | 139         | 154         | 157         | 130         |
| 16   | 157         | 157         | 174         | 181         | 140         |
| 17   | 172         | 187         | 206         | 221         | 162         |
| 18   | 171         | 195         | 211         | 262         | 155         |
| 19   | 157         | 183         | 211         | 244         | 161         |
| 20   | 141         | 158         | 182         | 212         | 155         |
| 21   | 109         | 134         | 142         | 170         | 140         |
| 22   | 86          | 118         | 104         | 132         | 105         |
| 23   | 76          | 110         | 82          | 113         | 79          |

Horotiu

| Hour | 03-Oct-2022 | 04-Oct-2022 | 05-Oct-2022 | 06-Oct-2022 | 07-Oct-2022 |
|------|-------------|-------------|-------------|-------------|-------------|
| 0    | 44          | 46          | 45          | 46          | 47          |
| 1    | 44          | 44          | 45          | 46          | 49          |
| 2    | 45          | 45          | 47          | 47          | 49          |
| 3    | 45          | 45          | 45          | 46          | 48          |
| 4    | 45          | 46          | 45          | 48          | 51          |
| 5    | 51          | 48          | 55          | 54          | 53          |
| 6    | 46          | 48          | 49          | 49          | 48          |
| 7    | 45          | 48          | 48          | 30          | 51          |
| 8    | 51          | 49          | 23          | 7           | 55          |
| 9    | 44          | 43          | 15          | 18          | 48          |
| 10   | 15          | 27          | 14          | 15          | 49          |
| 11   | 15          | 22          | 28          | 17          | 35          |
| 12   | 16          | 40          | 43          | 22          | 18          |
| 13   | 25          | 48          | 51          | 21          | 32          |
| 14   | 47          | 47          | 51          | 14          | 54          |
| 15   | 47          | 48          | 52          | 19          | 62          |
| 16   | 45          | 45          | 51          | 41          | 59          |
| 17   | 51          | 46          | 57          | 51          | 57          |
| 18   | 47          | 49          | 53          | 53          | 45          |
| 19   | 46          | 46          | 50          | 53          | 45          |
| 20   | 47          | 47          | 52          | 50          | 46          |
| 21   | 48          | 50          | 52          | 50          | 46          |
| 22   | 47          | 46          | 48          | 50          | 47          |
| 23   | 47          | 46          | 47          | 49          | 47          |

Kiwitahi (Degussa)

| Hour | 03-Oct-2022 | 04-Oct-2022 | 05-Oct-2022 | 06-Oct-2022 | 07-Oct-2022 |
|------|-------------|-------------|-------------|-------------|-------------|
| 0    | 37          | 37          | 37          | 37          | 40          |
| 1    | 37          | 38          | 37          | 37          | 39          |
| 2    | 40          | 37          | 36          | 38          | 38          |
| 3    | 39          | 36          | 38          | 37          | 37          |
| 4    | 37          | 38          | 38          | 37          | 41          |
| 5    | 37          | 38          | 37          | 37          | 40          |
| 6    | 39          | 37          | 37          | 40          | 37          |
| 7    | 40          | 36          | 38          | 40          | 38          |
| 8    | 38          | 36          | 38          | 38          | 38          |
| 9    | 37          | 37          | 38          | 38          | 39          |
| 10   | 37          | 37          | 37          | 40          | 38          |
| 11   | 38          | 36          | 37          | 39          | 38          |
| 12   | 37          | 36          | 38          | 38          | 38          |
| 13   | 37          | 36          | 38          | 38          | 40          |
| 14   | 36          | 38          | 36          | 38          | 41          |
| 15   | 37          | 37          | 37          | 40          | 38          |
| 16   | 38          | 37          | 38          | 40          | 38          |
| 17   | 37          | 36          | 38          | 38          | 39          |
| 18   | 37          | 38          | 38          | 38          | 41          |
| 19   | 37          | 38          | 37          | 39          | 41          |
| 20   | 37          | 37          | 37          | 40          | 41          |
| 21   | 37          | 36          | 38          | 38          | 41          |
| 22   | 37          | 38          | 38          | 37          | 43          |
| 23   | 37          | 38          | 38          | 38          | 42          |



Morrinsville DF

| Hour | 03-Oct-2022 | 04-Oct-2022 | 05-Oct-2022 | 06-Oct-2022 | 07-Oct-2022 |
|------|-------------|-------------|-------------|-------------|-------------|
| 0    | 18          | 29          | 35          | 35          | 30          |
| 1    | 28          | 29          | 34          | 34          | 29          |
| 2    | 32          | 30          | 35          | 33          | 30          |
| 3    | 31          | 31          | 36          | 37          | 30          |
| 4    | 33          | 33          | 42          | 35          | 30          |
| 5    | 33          | 33          | 39          | 37          | 29          |
| 6    | 34          | 32          | 40          | 35          | 35          |
| 7    | 35          | 32          | 43          | 37          | 44          |
| 8    | 23          | 32          | 43          | 37          | 42          |
| 9    | 30          | 32          | 44          | 33          | 39          |
| 10   | 34          | 31          | 43          | 18          | 40          |
| 11   | 33          | 25          | 36          | 36          | 33          |
| 12   | 31          | 20          | 29          | 42          | 32          |
| 13   | 34          | 22          | 19          | 48          | 34          |
| 14   | 37          | 26          | 14          | 48          | 36          |
| 15   | 36          | 17          | 19          | 43          | 30          |
| 16   | 30          | 12          | 32          | 41          | 26          |
| 17   | 22          | 9           | 31          | 42          | 16          |
| 18   | 11          | 9           | 29          | 38          | 9           |
| 19   | 15          | 9           | 30          | 38          | 13          |
| 20   | 30          | 19          | 31          | 48          | 22          |
| 21   | 31          | 29          | 31          | 44          | 27          |
| 22   | 30          | 29          | 32          | 40          | 31          |
| 23   | 28          | 30          | 33          | 30          | 31          |

Pokuru OT to BOP

| Hour | 03-Oct-2022 | 04-Oct-2022 | 05-Oct-2022 | 06-Oct-2022 | 07-Oct-2022 |
|------|-------------|-------------|-------------|-------------|-------------|
| 0    | 0           | 404         | 284         | 144         | 284         |
| 1    | 0           | 404         | 288         | 140         | 280         |
| 2    | 0           | 412         | 284         | 144         | 292         |
| 3    | 0           | 416         | 288         | 140         | 144         |
| 4    | 0           | 408         | 288         | 140         | 72          |
| 5    | 0           | 360         | 284         | 144         | 0           |
| 6    | 0           | 280         | 284         | 140         | 0           |
| 7    | 0           | 280         | 288         | 140         | 0           |
| 8    | 0           | 256         | 280         | 144         | 16          |
| 9    | 0           | 264         | 288         | 140         | 24          |
| 10   | 0           | 288         | 292         | 276         | 8           |
| 11   | 0           | 288         | 288         | 288         | 0           |
| 12   | 156         | 284         | 284         | 284         | 0           |
| 13   | 284         | 288         | 288         | 284         | 0           |
| 14   | 284         | 288         | 288         | 276         | 0           |
| 15   | 316         | 284         | 144         | 0           | 0           |
| 16   | 416         | 288         | 140         | 0           | 0           |
| 17   | 372         | 284         | 144         | 244         | 0           |
| 18   | 316         | 284         | 140         | 284         | 0           |
| 19   | 288         | 276         | 144         | 176         | 0           |
| 20   | 308         | 288         | 140         | 128         | 0           |
| 21   | 332         | 292         | 140         | 148         | 0           |
| 22   | 360         | 256         | 144         | 208         | 0           |
| 23   | 388         | 288         | 140         | 264         | 0           |

Tatuanui DF

| Hour | 03-Oct-2022 | 04-Oct-2022 | 05-Oct-2022 | 06-Oct-2022 | 07-Oct-2022 |
|------|-------------|-------------|-------------|-------------|-------------|
| 0    | 61          | 57          | 59          | 52          | 47          |
| 1    | 43          | 59          | 60          | 51          | 50          |
| 2    | 44          | 50          | 62          | 48          | 51          |
| 3    | 44          | 51          | 66          | 52          | 52          |
| 4    | 35          | 50          | 61          | 60          | 51          |
| 5    | 37          | 54          | 63          | 58          | 60          |
| 6    | 40          | 46          | 57          | 60          | 67          |
| 7    | 53          | 51          | 57          | 61          | 66          |
| 8    | 50          | 55          | 56          | 64          | 63          |
| 9    | 31          | 58          | 51          | 60          | 64          |
| 10   | 27          | 56          | 71          | 59          | 62          |
| 11   | 27          | 53          | 65          | 56          | 58          |
| 12   | 25          | 51          | 77          | 55          | 45          |
| 13   | 26          | 52          | 67          | 55          | 33          |
| 14   | 34          | 49          | 87          | 57          | 36          |
| 15   | 35          | 46          | 81          | 55          | 41          |
| 16   | 58          | 54          | 70          | 54          | 48          |
| 17   | 59          | 44          | 49          | 49          | 51          |
| 18   | 62          | 47          | 50          | 53          | 47          |
| 19   | 57          | 51          | 49          | 50          | 48          |
| 20   | 57          | 52          | 45          | 47          | 49          |
| 21   | 56          | 52          | 46          | 43          | 48          |
| 22   | 56          | 54          | 32          | 46          | 49          |
| 23   | 54          | 51          | 41          | 49          | 48          |

Te Rapa Cogen

| Hour | 03-Oct-2022 | 04-Oct-2022 | 05-Oct-2022 | 06-Oct-2022 | 07-Oct-2022 |
|------|-------------|-------------|-------------|-------------|-------------|
| 0    | 496         | 440         | 436         | 452         | 536         |
| 1    | 476         | 460         | 436         | 448         | 508         |
| 2    | 464         | 456         | 440         | 448         | 516         |
| 3    | 476         | 428         | 440         | 452         | 512         |
| 4    | 480         | 428         | 428         | 440         | 512         |
| 5    | 476         | 424         | 432         | 432         | 516         |
| 6    | 452         | 428         | 436         | 460         | 608         |
| 7    | 440         | 424         | 432         | 528         | 616         |
| 8    | 444         | 420         | 440         | 524         | 604         |
| 9    | 452         | 432         | 444         | 468         | 568         |
| 10   | 456         | 440         | 424         | 392         | 560         |
| 11   | 440         | 424         | 420         | 408         | 488         |
| 12   | 432         | 420         | 420         | 408         | 464         |
| 13   | 432         | 424         | 432         | 424         | 480         |
| 14   | 432         | 420         | 448         | 416         | 488         |
| 15   | 424         | 436         | 424         | 436         | 480         |
| 16   | 424         | 440         | 424         | 464         | 476         |
| 17   | 436         | 428         | 424         | 492         | 476         |
| 18   | 452         | 420         | 428         | 540         | 472         |
| 19   | 440         | 424         | 432         | 556         | 484         |
| 20   | 440         | 428         | 444         | 560         | 468         |
| 21   | 440         | 464         | 440         | 560         | 448         |
| 22   | 440         | 444         | 452         | 536         | 440         |
| 23   | 436         | 424         | 456         | 560         | 448         |

Waitoa

| Hour | 03-Oct-2022 | 04-Oct-2022 | 05-Oct-2022 | 06-Oct-2022 | 07-Oct-2022 |
|------|-------------|-------------|-------------|-------------|-------------|
| 0    | 49          | 63          | 63          | 67          | 67          |
| 1    | 44          | 64          | 56          | 66          | 70          |
| 2    | 48          | 70          | 58          | 65          | 63          |
| 3    | 57          | 64          | 59          | 69          | 54          |
| 4    | 50          | 59          | 60          | 69          | 47          |
| 5    | 41          | 63          | 58          | 66          | 38          |
| 6    | 41          | 45          | 58          | 67          | 29          |
| 7    | 45          | 61          | 62          | 66          | 55          |
| 8    | 43          | 59          | 61          | 68          | 55          |
| 9    | 44          | 56          | 64          | 64          | 51          |
| 10   | 49          | 50          | 58          | 63          | 49          |
| 11   | 50          | 53          | 52          | 63          | 47          |
| 12   | 53          | 52          | 56          | 67          | 42          |
| 13   | 57          | 59          | 54          | 70          | 37          |
| 14   | 57          | 60          | 49          | 70          | 41          |
| 15   | 63          | 55          | 65          | 68          | 44          |
| 16   | 64          | 52          | 65          | 65          | 47          |
| 17   | 62          | 54          | 66          | 64          | 31          |
| 18   | 60          | 56          | 60          | 60          | 31          |
| 19   | 60          | 55          | 54          | 57          | 37          |
| 20   | 60          | 59          | 57          | 57          | 49          |
| 21   | 63          | 60          | 61          | 57          | 65          |
| 22   | 64          | 58          | 64          | 57          | 56          |
| 23   | 65          | 64          | 67          | 62          | 47          |

## 2.3 Central South System

### Eltham

| Hour | 14-Aug-2023 | 15-Aug-2023 | 16-Aug-2023 | 17-Aug-2023 | 18-Aug-2023 |
|------|-------------|-------------|-------------|-------------|-------------|
| 0    | 13          | 14          | 10          | 15          | 14          |
| 1    | 10          | 14          | 8           | 12          | 10          |
| 2    | 5           | 12          | 7           | 10          | 9           |
| 3    | 5           | 8           | 8           | 10          | 9           |
| 4    | 13          | 15          | 16          | 18          | 15          |
| 5    | 19          | 22          | 21          | 21          | 13          |
| 6    | 18          | 18          | 19          | 22          | 25          |
| 7    | 22          | 20          | 18          | 23          | 24          |
| 8    | 20          | 18          | 15          | 21          | 20          |
| 9    | 21          | 20          | 19          | 19          | 20          |
| 10   | 23          | 22          | 23          | 23          | 20          |
| 11   | 23          | 21          | 26          | 22          | 21          |
| 12   | 22          | 22          | 22          | 21          | 20          |
| 13   | 22          | 26          | 22          | 20          | 19          |
| 14   | 21          | 22          | 20          | 21          | 18          |
| 15   | 21          | 22          | 24          | 22          | 20          |
| 16   | 22          | 23          | 23          | 23          | 19          |
| 17   | 20          | 18          | 20          | 20          | 18          |
| 18   | 21          | 21          | 20          | 19          | 19          |
| 19   | 21          | 19          | 20          | 19          | 18          |
| 20   | 20          | 18          | 18          | 20          | 19          |
| 21   | 19          | 17          | 18          | 21          | 18          |
| 22   | 19          | 14          | 16          | 16          | 13          |
| 23   | 16          | 14          | 15          | 14          | 13          |

New Plymouth

| Hour | 14-Aug-2023 | 15-Aug-2023 | 16-Aug-2023 | 17-Aug-2023 | 18-Aug-2023 |
|------|-------------|-------------|-------------|-------------|-------------|
| 0    | 67          | 80          | 80          | 86          | 85          |
| 1    | 58          | 79          | 79          | 76          | 81          |
| 2    | 59          | 80          | 76          | 81          | 84          |
| 3    | 64          | 90          | 79          | 80          | 86          |
| 4    | 70          | 89          | 90          | 88          | 89          |
| 5    | 84          | 113         | 110         | 105         | 116         |
| 6    | 128         | 159         | 150         | 158         | 164         |
| 7    | 186         | 217         | 206         | 218         | 236         |
| 8    | 170         | 193         | 178         | 196         | 209         |
| 9    | 144         | 152         | 146         | 149         | 151         |
| 10   | 133         | 127         | 129         | 121         | 137         |
| 11   | 130         | 121         | 128         | 116         | 113         |
| 12   | 129         | 112         | 129         | 110         | 111         |
| 13   | 121         | 117         | 124         | 101         | 94          |
| 14   | 120         | 116         | 121         | 96          | 94          |
| 15   | 105         | 109         | 125         | 100         | 92          |
| 16   | 127         | 120         | 152         | 111         | 110         |
| 17   | 154         | 159         | 194         | 147         | 136         |
| 18   | 189         | 197         | 215         | 187         | 173         |
| 19   | 187         | 187         | 215         | 198         | 175         |
| 20   | 172         | 168         | 185         | 179         | 171         |
| 21   | 147         | 148         | 160         | 152         | 142         |
| 22   | 109         | 110         | 122         | 118         | 113         |
| 23   | 90          | 84          | 99          | 96          | 91          |

## 2.4 Bay of Plenty System

### Edgecumbe DF

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 159        | 175        | 157        | 155        | 151        |
| 1    | 165        | 182        | 156        | 170        | 157        |
| 2    | 164        | 173        | 158        | 181        | 161        |
| 3    | 164        | 175        | 158        | 171        | 169        |
| 4    | 167        | 165        | 169        | 169        | 170        |
| 5    | 167        | 166        | 168        | 165        | 170        |
| 6    | 166        | 163        | 152        | 170        | 170        |
| 7    | 159        | 148        | 146        | 160        | 169        |
| 8    | 161        | 136        | 148        | 151        | 166        |
| 9    | 152        | 135        | 146        | 156        | 167        |
| 10   | 150        | 117        | 160        | 140        | 166        |
| 11   | 152        | 119        | 149        | 143        | 169        |
| 12   | 163        | 136        | 134        | 140        | 175        |
| 13   | 158        | 142        | 159        | 149        | 164        |
| 14   | 157        | 171        | 158        | 166        | 174        |
| 15   | 162        | 158        | 168        | 178        | 168        |
| 16   | 169        | 138        | 177        | 176        | 167        |
| 17   | 164        | 140        | 164        | 168        | 166        |
| 18   | 170        | 159        | 159        | 161        | 169        |
| 19   | 170        | 156        | 156        | 156        | 160        |
| 20   | 166        | 156        | 153        | 152        | 165        |
| 21   | 166        | 157        | 146        | 154        | 169        |
| 22   | 168        | 152        | 148        | 147        | 165        |
| 23   | 177        | 163        | 152        | 152        | 158        |



Gisborne

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 8          | 20         | 15         | 16         | 21         |
| 1    | 10         | 17         | 16         | 18         | 21         |
| 2    | 18         | 15         | 16         | 17         | 21         |
| 3    | 22         | 26         | 15         | 18         | 21         |
| 4    | 23         | 31         | 22         | 22         | 23         |
| 5    | 26         | 38         | 32         | 28         | 33         |
| 6    | 39         | 38         | 43         | 42         | 45         |
| 7    | 30         | 37         | 41         | 47         | 44         |
| 8    | 31         | 38         | 39         | 43         | 42         |
| 9    | 27         | 34         | 40         | 39         | 38         |
| 10   | 31         | 33         | 38         | 42         | 41         |
| 11   | 30         | 30         | 31         | 40         | 38         |
| 12   | 32         | 29         | 30         | 44         | 38         |
| 13   | 28         | 26         | 26         | 41         | 36         |
| 14   | 29         | 30         | 27         | 30         | 33         |
| 15   | 33         | 29         | 28         | 38         | 30         |
| 16   | 35         | 28         | 31         | 43         | 35         |
| 17   | 38         | 33         | 33         | 46         | 40         |
| 18   | 40         | 35         | 32         | 44         | 39         |
| 19   | 35         | 31         | 30         | 43         | 36         |
| 20   | 31         | 28         | 27         | 35         | 31         |
| 21   | 25         | 23         | 21         | 29         | 27         |
| 22   | 21         | 18         | 18         | 23         | 21         |
| 23   | 22         | 15         | 16         | 21         | 18         |

Kawerau (Caxton)

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 23         | 27         | 27         | 28         | 31         |
| 1    | 23         | 27         | 28         | 23         | 31         |
| 2    | 23         | 27         | 27         | 25         | 31         |
| 3    | 23         | 27         | 21         | 29         | 31         |
| 4    | 24         | 27         | 14         | 29         | 32         |
| 5    | 23         | 27         | 13         | 29         | 32         |
| 6    | 23         | 27         | 13         | 29         | 31         |
| 7    | 23         | 27         | 13         | 26         | 31         |
| 8    | 23         | 27         | 12         | 27         | 30         |
| 9    | 18         | 27         | 12         | 27         | 31         |
| 10   | 23         | 27         | 13         | 27         | 28         |
| 11   | 24         | 27         | 12         | 27         | 28         |
| 12   | 26         | 27         | 12         | 27         | 27         |
| 13   | 26         | 27         | 13         | 25         | 26         |
| 14   | 26         | 26         | 12         | 21         | 26         |
| 15   | 25         | 27         | 12         | 22         | 28         |
| 16   | 25         | 27         | 14         | 24         | 30         |
| 17   | 25         | 27         | 17         | 24         | 31         |
| 18   | 26         | 27         | 21         | 25         | 31         |
| 19   | 26         | 27         | 27         | 24         | 31         |
| 20   | 25         | 27         | 27         | 17         | 31         |
| 21   | 26         | 26         | 28         | 24         | 31         |
| 22   | 27         | 27         | 29         | 31         | 32         |
| 23   | 27         | 26         | 29         | 32         | 32         |

Kawerau (Tasman)

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 65         | 57         | 76         | 75         | 73         |
| 1    | 62         | 57         | 76         | 75         | 74         |
| 2    | 63         | 58         | 77         | 74         | 73         |
| 3    | 63         | 56         | 77         | 75         | 73         |
| 4    | 63         | 54         | 75         | 75         | 74         |
| 5    | 63         | 52         | 73         | 75         | 74         |
| 6    | 63         | 55         | 72         | 75         | 73         |
| 7    | 63         | 57         | 72         | 75         | 74         |
| 8    | 63         | 59         | 72         | 74         | 73         |
| 9    | 63         | 62         | 72         | 74         | 73         |
| 10   | 63         | 62         | 72         | 74         | 73         |
| 11   | 63         | 63         | 72         | 74         | 73         |
| 12   | 63         | 72         | 73         | 74         | 73         |
| 13   | 58         | 71         | 74         | 74         | 73         |
| 14   | 56         | 72         | 74         | 74         | 73         |
| 15   | 46         | 73         | 74         | 74         | 73         |
| 16   | 43         | 74         | 74         | 70         | 74         |
| 17   | 41         | 75         | 74         | 71         | 73         |
| 18   | 42         | 75         | 74         | 71         | 73         |
| 19   | 46         | 76         | 74         | 71         | 74         |
| 20   | 54         | 76         | 74         | 71         | 73         |
| 21   | 57         | 76         | 75         | 72         | 73         |
| 22   | 57         | 76         | 75         | 72         | 73         |
| 23   | 57         | 77         | 75         | 73         | 74         |

Kinleith (CHH Mill)

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 413        | 804        | 402        | 325        | 320        |
| 1    | 305        | 697        | 403        | 330        | 351        |
| 2    | 177        | 675        | 342        | 299        | 340        |
| 3    | 187        | 645        | 257        | 273        | 273        |
| 4    | 214        | 665        | 278        | 299        | 304        |
| 5    | 219        | 629        | 267        | 278        | 335        |
| 6    | 256        | 598        | 304        | 486        | 288        |
| 7    | 257        | 642        | 262        | 570        | 402        |
| 8    | 230        | 561        | 278        | 590        | 367        |
| 9    | 261        | 549        | 220        | 621        | 428        |
| 10   | 333        | 538        | 215        | 506        | 429        |
| 11   | 549        | 321        | 241        | 477        | 423        |
| 12   | 572        | 336        | 520        | 351        | 342        |
| 13   | 672        | 277        | 507        | 283        | 336        |
| 14   | 770        | 315        | 401        | 372        | 387        |
| 15   | 692        | 325        | 521        | 413        | 438        |
| 16   | 811        | 310        | 492        | 490        | 434        |
| 17   | 840        | 320        | 380        | 425        | 486        |
| 18   | 812        | 352        | 369        | 383        | 510        |
| 19   | 817        | 357        | 363        | 371        | 481        |
| 20   | 779        | 293        | 326        | 377        | 495        |
| 21   | 840        | 319        | 310        | 392        | 625        |
| 22   | 832        | 392        | 330        | 325        | 678        |
| 23   | 837        | 387        | 361        | 268        | 611        |

Lichfield 2

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 156        | 159        | 158        | 125        | 164        |
| 1    | 155        | 155        | 162        | 154        | 166        |
| 2    | 157        | 153        | 155        | 160        | 164        |
| 3    | 156        | 154        | 155        | 160        | 163        |
| 4    | 158        | 161        | 155        | 164        | 163        |
| 5    | 157        | 160        | 161        | 157        | 153        |
| 6    | 156        | 161        | 164        | 167        | 158        |
| 7    | 159        | 161        | 156        | 165        | 162        |
| 8    | 159        | 158        | 153        | 161        | 158        |
| 9    | 158        | 160        | 150        | 150        | 152        |
| 10   | 151        | 155        | 157        | 156        | 153        |
| 11   | 160        | 153        | 154        | 159        | 159        |
| 12   | 161        | 153        | 152        | 159        | 158        |
| 13   | 163        | 155        | 152        | 154        | 151        |
| 14   | 156        | 158        | 156        | 155        | 146        |
| 15   | 155        | 157        | 164        | 152        | 148        |
| 16   | 158        | 155        | 163        | 160        | 150        |
| 17   | 153        | 149        | 153        | 161        | 152        |
| 18   | 158        | 145        | 158        | 152        | 154        |
| 19   | 161        | 149        | 157        | 152        | 152        |
| 20   | 163        | 157        | 163        | 150        | 154        |
| 21   | 158        | 157        | 159        | 119        | 151        |
| 22   | 150        | 154        | 153        | 166        | 156        |
| 23   | 159        | 160        | 155        | 162        | 155        |

Lichfield DF

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 63         | 85         | 73         | 75         | 85         |
| 1    | 65         | 93         | 79         | 78         | 79         |
| 2    | 64         | 83         | 86         | 76         | 63         |
| 3    | 55         | 85         | 90         | 84         | 66         |
| 4    | 67         | 92         | 98         | 87         | 74         |
| 5    | 79         | 97         | 89         | 90         | 73         |
| 6    | 62         | 85         | 78         | 85         | 70         |
| 7    | 77         | 86         | 82         | 75         | 71         |
| 8    | 80         | 83         | 85         | 89         | 73         |
| 9    | 85         | 85         | 82         | 85         | 69         |
| 10   | 94         | 85         | 87         | 91         | 76         |
| 11   | 83         | 85         | 89         | 81         | 75         |
| 12   | 65         | 78         | 81         | 77         | 63         |
| 13   | 78         | 77         | 74         | 73         | 62         |
| 14   | 76         | 70         | 88         | 74         | 67         |
| 15   | 76         | 68         | 87         | 69         | 57         |
| 16   | 71         | 78         | 91         | 64         | 64         |
| 17   | 72         | 83         | 90         | 81         | 57         |
| 18   | 88         | 87         | 82         | 71         | 64         |
| 19   | 86         | 84         | 83         | 79         | 69         |
| 20   | 94         | 87         | 74         | 88         | 64         |
| 21   | 98         | 82         | 78         | 88         | 55         |
| 22   | 91         | 83         | 78         | 81         | 49         |
| 23   | 83         | 78         | 70         | 82         | 60         |

Mt Maunganui

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 71         | 69         | 66         | 66         | 38         |
| 1    | 66         | 65         | 62         | 70         | 39         |
| 2    | 65         | 62         | 62         | 69         | 36         |
| 3    | 65         | 66         | 68         | 74         | 38         |
| 4    | 65         | 66         | 71         | 76         | 47         |
| 5    | 76         | 79         | 85         | 82         | 57         |
| 6    | 84         | 90         | 89         | 79         | 65         |
| 7    | 80         | 99         | 89         | 71         | 76         |
| 8    | 82         | 99         | 84         | 73         | 70         |
| 9    | 81         | 96         | 89         | 68         | 67         |
| 10   | 85         | 94         | 89         | 71         | 71         |
| 11   | 86         | 97         | 90         | 68         | 70         |
| 12   | 79         | 93         | 93         | 64         | 64         |
| 13   | 70         | 87         | 95         | 66         | 69         |
| 14   | 71         | 87         | 90         | 65         | 69         |
| 15   | 69         | 81         | 90         | 59         | 54         |
| 16   | 68         | 71         | 82         | 58         | 43         |
| 17   | 70         | 73         | 80         | 60         | 47         |
| 18   | 72         | 73         | 82         | 54         | 51         |
| 19   | 69         | 71         | 78         | 51         | 48         |
| 20   | 66         | 67         | 74         | 44         | 42         |
| 21   | 62         | 63         | 65         | 39         | 39         |
| 22   | 58         | 59         | 63         | 34         | 32         |
| 23   | 59         | 59         | 62         | 31         | 28         |

Pyes Pa

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 11         | 14         | 16         | 15         | 18         |
| 1    | 11         | 12         | 14         | 16         | 17         |
| 2    | 12         | 14         | 15         | 15         | 18         |
| 3    | 15         | 15         | 16         | 15         | 19         |
| 4    | 25         | 25         | 22         | 24         | 24         |
| 5    | 29         | 31         | 30         | 31         | 33         |
| 6    | 32         | 33         | 34         | 33         | 37         |
| 7    | 34         | 33         | 35         | 36         | 39         |
| 8    | 31         | 32         | 35         | 35         | 38         |
| 9    | 33         | 33         | 32         | 33         | 36         |
| 10   | 34         | 36         | 36         | 36         | 36         |
| 11   | 35         | 36         | 34         | 36         | 35         |
| 12   | 32         | 33         | 32         | 34         | 32         |
| 13   | 30         | 34         | 32         | 33         | 31         |
| 14   | 29         | 32         | 33         | 33         | 30         |
| 15   | 30         | 31         | 30         | 32         | 30         |
| 16   | 28         | 33         | 28         | 31         | 27         |
| 17   | 28         | 27         | 28         | 28         | 26         |
| 18   | 27         | 25         | 27         | 30         | 25         |
| 19   | 22         | 22         | 26         | 26         | 24         |
| 20   | 21         | 22         | 24         | 25         | 22         |
| 21   | 19         | 20         | 21         | 22         | 20         |
| 22   | 17         | 18         | 18         | 20         | 18         |
| 23   | 17         | 17         | 17         | 19         | 17         |



Reporoa

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 90         | 97         | 85         | 96         | 98         |
| 1    | 89         | 98         | 86         | 99         | 96         |
| 2    | 93         | 97         | 90         | 98         | 99         |
| 3    | 93         | 99         | 89         | 97         | 96         |
| 4    | 85         | 95         | 91         | 95         | 94         |
| 5    | 84         | 98         | 84         | 100        | 95         |
| 6    | 85         | 101        | 74         | 99         | 97         |
| 7    | 83         | 101        | 57         | 91         | 99         |
| 8    | 85         | 98         | 57         | 96         | 97         |
| 9    | 92         | 99         | 55         | 86         | 100        |
| 10   | 94         | 100        | 56         | 82         | 95         |
| 11   | 97         | 97         | 59         | 82         | 98         |
| 12   | 97         | 95         | 55         | 85         | 98         |
| 13   | 96         | 98         | 55         | 82         | 96         |
| 14   | 68         | 98         | 55         | 83         | 97         |
| 15   | 64         | 97         | 62         | 84         | 96         |
| 16   | 79         | 95         | 82         | 85         | 96         |
| 17   | 92         | 96         | 88         | 93         | 95         |
| 18   | 95         | 97         | 91         | 95         | 95         |
| 19   | 95         | 94         | 97         | 95         | 89         |
| 20   | 94         | 96         | 96         | 98         | 90         |
| 21   | 93         | 86         | 96         | 96         | 91         |
| 22   | 96         | 85         | 96         | 95         | 92         |
| 23   | 98         | 84         | 96         | 98         | 91         |

Rotorua

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 16         | 26         | 21         | 30         | 34         |
| 1    | 15         | 28         | 20         | 31         | 34         |
| 2    | 14         | 27         | 20         | 31         | 36         |
| 3    | 15         | 28         | 21         | 34         | 39         |
| 4    | 23         | 44         | 33         | 47         | 52         |
| 5    | 36         | 59         | 48         | 68         | 77         |
| 6    | 49         | 76         | 63         | 87         | 103        |
| 7    | 54         | 73         | 65         | 93         | 104        |
| 8    | 49         | 63         | 57         | 78         | 84         |
| 9    | 46         | 57         | 52         | 74         | 74         |
| 10   | 45         | 54         | 60         | 71         | 69         |
| 11   | 47         | 55         | 59         | 69         | 64         |
| 12   | 49         | 53         | 56         | 69         | 56         |
| 13   | 44         | 48         | 52         | 65         | 49         |
| 14   | 43         | 45         | 50         | 65         | 45         |
| 15   | 43         | 41         | 52         | 60         | 39         |
| 16   | 49         | 44         | 61         | 69         | 44         |
| 17   | 58         | 47         | 65         | 80         | 44         |
| 18   | 57         | 51         | 71         | 83         | 53         |
| 19   | 50         | 48         | 69         | 84         | 62         |
| 20   | 43         | 40         | 61         | 71         | 53         |
| 21   | 34         | 30         | 46         | 51         | 44         |
| 22   | 30         | 23         | 35         | 38         | 33         |
| 23   | 28         | 21         | 32         | 34         | 30         |

Taupo

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 5          | 8          | 6          | 12         | 11         |
| 1    | 4          | 9          | 6          | 12         | 11         |
| 2    | 4          | 9          | 6          | 13         | 12         |
| 3    | 5          | 10         | 7          | 12         | 13         |
| 4    | 9          | 11         | 12         | 14         | 14         |
| 5    | 12         | 18         | 16         | 21         | 23         |
| 6    | 20         | 26         | 23         | 30         | 33         |
| 7    | 21         | 26         | 24         | 33         | 35         |
| 8    | 20         | 22         | 21         | 30         | 29         |
| 9    | 18         | 18         | 19         | 27         | 23         |
| 10   | 17         | 17         | 19         | 29         | 21         |
| 11   | 16         | 15         | 18         | 29         | 19         |
| 12   | 15         | 14         | 18         | 24         | 18         |
| 13   | 15         | 12         | 17         | 19         | 16         |
| 14   | 14         | 14         | 17         | 19         | 16         |
| 15   | 14         | 14         | 20         | 22         | 15         |
| 16   | 20         | 16         | 25         | 26         | 19         |
| 17   | 24         | 20         | 29         | 31         | 20         |
| 18   | 24         | 22         | 32         | 37         | 23         |
| 19   | 22         | 21         | 32         | 36         | 26         |
| 20   | 18         | 17         | 26         | 29         | 23         |
| 21   | 13         | 14         | 17         | 19         | 17         |
| 22   | 10         | 9          | 11         | 13         | 14         |
| 23   | 10         | 7          | 13         | 11         | 12         |

Tauranga

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 2          | 2          | 3          | 4          | 8          |
| 1    | 1          | 1          | 2          | 3          | 7          |
| 2    | 1          | 3          | 2          | 3          | 7          |
| 3    | 2          | 3          | 3          | 5          | 8          |
| 4    | 8          | 9          | 8          | 10         | 14         |
| 5    | 17         | 20         | 20         | 27         | 32         |
| 6    | 26         | 33         | 31         | 40         | 51         |
| 7    | 28         | 33         | 33         | 40         | 52         |
| 8    | 25         | 30         | 29         | 34         | 42         |
| 9    | 22         | 26         | 28         | 29         | 39         |
| 10   | 23         | 27         | 27         | 35         | 35         |
| 11   | 22         | 23         | 27         | 35         | 31         |
| 12   | 21         | 24         | 25         | 33         | 28         |
| 13   | 18         | 20         | 22         | 29         | 24         |
| 14   | 18         | 20         | 23         | 27         | 21         |
| 15   | 19         | 19         | 24         | 26         | 21         |
| 16   | 21         | 21         | 31         | 32         | 22         |
| 17   | 25         | 27         | 38         | 38         | 27         |
| 18   | 27         | 30         | 41         | 45         | 29         |
| 19   | 23         | 24         | 36         | 42         | 29         |
| 20   | 16         | 18         | 26         | 32         | 24         |
| 21   | 10         | 12         | 15         | 18         | 16         |
| 22   | 5          | 7          | 8          | 12         | 9          |
| 23   | 3          | 5          | 6          | 10         | 8          |

Tirau DF

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 9          | 10         | 15         | 45         | 11         |
| 1    | 8          | 5          | 15         | 30         | 8          |
| 2    | 8          | 4          | 9          | 29         | 9          |
| 3    | 7          | 6          | 8          | 22         | 10         |
| 4    | 9          | 9          | 11         | 20         | 14         |
| 5    | 13         | 15         | 10         | 18         | 18         |
| 6    | 18         | 20         | 19         | 29         | 19         |
| 7    | 17         | 19         | 15         | 30         | 21         |
| 8    | 16         | 41         | 25         | 31         | 20         |
| 9    | 33         | 47         | 50         | 56         | 36         |
| 10   | 49         | 46         | 48         | 54         | 54         |
| 11   | 49         | 47         | 48         | 54         | 45         |
| 12   | 49         | 52         | 47         | 49         | 48         |
| 13   | 53         | 48         | 51         | 52         | 56         |
| 14   | 49         | 50         | 46         | 58         | 55         |
| 15   | 46         | 53         | 47         | 55         | 53         |
| 16   | 43         | 50         | 52         | 55         | 53         |
| 17   | 38         | 51         | 49         | 58         | 54         |
| 18   | 29         | 54         | 49         | 36         | 55         |
| 19   | 24         | 45         | 47         | 35         | 53         |
| 20   | 17         | 31         | 48         | 29         | 57         |
| 21   | 18         | 27         | 48         | 23         | 55         |
| 22   | 12         | 20         | 48         | 15         | 52         |
| 23   | 7          | 16         | 49         | 12         | 42         |

Whakatane

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 126        | 40         | 83         | 127        | 132        |
| 1    | 125        | 92         | 46         | 127        | 134        |
| 2    | 124        | 129        | 57         | 127        | 131        |
| 3    | 128        | 129        | 129        | 128        | 133        |
| 4    | 130        | 128        | 131        | 131        | 134        |
| 5    | 133        | 134        | 132        | 131        | 139        |
| 6    | 132        | 133        | 131        | 134        | 142        |
| 7    | 136        | 135        | 131        | 134        | 141        |
| 8    | 140        | 132        | 129        | 134        | 137        |
| 9    | 135        | 131        | 69         | 134        | 136        |
| 10   | 140        | 133        | 91         | 134        | 135        |
| 11   | 136        | 130        | 117        | 135        | 134        |
| 12   | 138        | 131        | 131        | 135        | 131        |
| 13   | 134        | 128        | 131        | 135        | 132        |
| 14   | 133        | 129        | 130        | 132        | 129        |
| 15   | 67         | 126        | 128        | 132        | 127        |
| 16   | 60         | 125        | 127        | 130        | 129        |
| 17   | 62         | 125        | 127        | 133        | 126        |
| 18   | 59         | 129        | 127        | 132        | 127        |
| 19   | 39         | 125        | 130        | 134        | 126        |
| 20   | 37         | 125        | 128        | 132        | 129        |
| 21   | 39         | 126        | 127        | 133        | 126        |
| 22   | 40         | 125        | 127        | 132        | 128        |
| 23   | 38         | 124        | 127        | 132        | 127        |

## 2.5 South System

### Belmont

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 75         | 99         | 73         | 111        | 117        |
| 1    | 69         | 95         | 70         | 109        | 109        |
| 2    | 69         | 104        | 69         | 115        | 103        |
| 3    | 79         | 105        | 83         | 130        | 115        |
| 4    | 119        | 164        | 124        | 184        | 160        |
| 5    | 232        | 284        | 235        | 303        | 272        |
| 6    | 319        | 386        | 305        | 414        | 375        |
| 7    | 311        | 361        | 302        | 436        | 390        |
| 8    | 284        | 297        | 265        | 388        | 345        |
| 9    | 242        | 230        | 229        | 364        | 283        |
| 10   | 227        | 191        | 230        | 341        | 249        |
| 11   | 208        | 168        | 217        | 296        | 228        |
| 12   | 188        | 167        | 215        | 263        | 207        |
| 13   | 200        | 145        | 236        | 233        | 183        |
| 14   | 210        | 129        | 263        | 207        | 152        |
| 15   | 240        | 144        | 299        | 203        | 155        |
| 16   | 278        | 179        | 307        | 233        | 183        |
| 17   | 298        | 219        | 328        | 273        | 204        |
| 18   | 299        | 232        | 329        | 308        | 237        |
| 19   | 275        | 225        | 305        | 310        | 240        |
| 20   | 227        | 194        | 254        | 271        | 223        |
| 21   | 162        | 143        | 180        | 211        | 175        |
| 22   | 108        | 112        | 133        | 150        | 133        |
| 23   | 92         | 88         | 113        | 108        | 105        |

Feilding

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 11         | 17         | 18         | 23         | 24         |
| 1    | 13         | 20         | 17         | 23         | 23         |
| 2    | 13         | 19         | 17         | 23         | 23         |
| 3    | 14         | 20         | 18         | 23         | 24         |
| 4    | 18         | 24         | 19         | 24         | 27         |
| 5    | 25         | 35         | 27         | 36         | 37         |
| 6    | 37         | 46         | 33         | 49         | 46         |
| 7    | 35         | 37         | 36         | 52         | 46         |
| 8    | 42         | 36         | 34         | 50         | 38         |
| 9    | 35         | 30         | 33         | 46         | 34         |
| 10   | 30         | 23         | 28         | 41         | 31         |
| 11   | 30         | 25         | 28         | 34         | 28         |
| 12   | 31         | 24         | 33         | 32         | 27         |
| 13   | 29         | 22         | 33         | 31         | 23         |
| 14   | 29         | 23         | 29         | 29         | 23         |
| 15   | 30         | 23         | 27         | 27         | 24         |
| 16   | 34         | 24         | 29         | 30         | 28         |
| 17   | 34         | 22         | 36         | 34         | 29         |
| 18   | 32         | 23         | 37         | 35         | 34         |
| 19   | 31         | 26         | 36         | 38         | 36         |
| 20   | 28         | 22         | 32         | 34         | 33         |
| 21   | 23         | 16         | 27         | 30         | 30         |
| 22   | 20         | 15         | 23         | 24         | 28         |
| 23   | 19         | 16         | 22         | 21         | 27         |



Hastings

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 168        | 232        | 224        | 241        | 234        |
| 1    | 169        | 236        | 222        | 245        | 234        |
| 2    | 169        | 239        | 225        | 233        | 243        |
| 3    | 183        | 242        | 239        | 243        | 239        |
| 4    | 221        | 273        | 271        | 273        | 265        |
| 5    | 273        | 309        | 315        | 310        | 289        |
| 6    | 299        | 346        | 333        | 393        | 365        |
| 7    | 324        | 369        | 353        | 390        | 344        |
| 8    | 304        | 346        | 350        | 368        | 349        |
| 9    | 310        | 342        | 340        | 353        | 334        |
| 10   | 305        | 345        | 319        | 342        | 330        |
| 11   | 298        | 318        | 295        | 331        | 314        |
| 12   | 289        | 314        | 327        | 324        | 296        |
| 13   | 279        | 286        | 308        | 322        | 295        |
| 14   | 283        | 264        | 330        | 312        | 288        |
| 15   | 284        | 265        | 284        | 297        | 294        |
| 16   | 295        | 270        | 290        | 283        | 279        |
| 17   | 306        | 275        | 287        | 317        | 273        |
| 18   | 298        | 264        | 296        | 314        | 305        |
| 19   | 281        | 280        | 329        | 334        | 346        |
| 20   | 268        | 261        | 288        | 299        | 341        |
| 21   | 262        | 236        | 252        | 281        | 333        |
| 22   | 226        | 225        | 230        | 244        | 319        |
| 23   | 230        | 228        | 225        | 254        | 291        |

Hawera

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 37         | 15         | 14         | 41         | 14         |
| 1    | 38         | 16         | 14         | 41         | 38         |
| 2    | 37         | 16         | 32         | 41         | 42         |
| 3    | 39         | 18         | 40         | 39         | 45         |
| 4    | 48         | 17         | 42         | 19         | 50         |
| 5    | 45         | 27         | 48         | 27         | 57         |
| 6    | 50         | 32         | 53         | 33         | 63         |
| 7    | 51         | 32         | 46         | 41         | 71         |
| 8    | 51         | 31         | 44         | 44         | 67         |
| 9    | 52         | 46         | 55         | 38         | 66         |
| 10   | 44         | 44         | 58         | 49         | 53         |
| 11   | 40         | 42         | 58         | 49         | 46         |
| 12   | 42         | 45         | 61         | 52         | 39         |
| 13   | 33         | 39         | 65         | 38         | 36         |
| 14   | 19         | 40         | 44         | 38         | 34         |
| 15   | 26         | 42         | 43         | 38         | 36         |
| 16   | 32         | 45         | 49         | 42         | 38         |
| 17   | 35         | 49         | 51         | 46         | 42         |
| 18   | 34         | 52         | 64         | 52         | 45         |
| 19   | 34         | 52         | 69         | 61         | 49         |
| 20   | 35         | 49         | 56         | 47         | 64         |
| 21   | 21         | 44         | 48         | 32         | 67         |
| 22   | 18         | 40         | 44         | 15         | 62         |
| 23   | 15         | 21         | 41         | 24         | 60         |

Levin

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 7          | 23         | 19         | 22         | 23         |
| 1    | 7          | 22         | 20         | 22         | 24         |
| 2    | 8          | 24         | 22         | 26         | 29         |
| 3    | 26         | 27         | 24         | 27         | 36         |
| 4    | 31         | 36         | 33         | 35         | 37         |
| 5    | 38         | 43         | 42         | 43         | 46         |
| 6    | 44         | 51         | 47         | 51         | 58         |
| 7    | 44         | 51         | 51         | 54         | 62         |
| 8    | 46         | 48         | 55         | 60         | 65         |
| 9    | 46         | 42         | 50         | 58         | 57         |
| 10   | 45         | 36         | 49         | 50         | 50         |
| 11   | 41         | 34         | 48         | 40         | 43         |
| 12   | 42         | 34         | 46         | 44         | 43         |
| 13   | 42         | 31         | 44         | 47         | 46         |
| 14   | 40         | 32         | 46         | 42         | 47         |
| 15   | 38         | 28         | 39         | 36         | 39         |
| 16   | 34         | 31         | 35         | 39         | 39         |
| 17   | 40         | 35         | 36         | 41         | 40         |
| 18   | 39         | 36         | 40         | 43         | 43         |
| 19   | 38         | 32         | 40         | 43         | 41         |
| 20   | 36         | 29         | 37         | 39         | 40         |
| 21   | 33         | 27         | 32         | 36         | 37         |
| 22   | 29         | 22         | 28         | 30         | 35         |
| 23   | 25         | 21         | 24         | 25         | 29         |

Longburn

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 30         | 30         | 26         | 33         | 34         |
| 1    | 23         | 32         | 25         | 32         | 31         |
| 2    | 24         | 30         | 29         | 31         | 28         |
| 3    | 21         | 27         | 32         | 32         | 32         |
| 4    | 25         | 34         | 27         | 33         | 33         |
| 5    | 28         | 34         | 30         | 33         | 41         |
| 6    | 40         | 37         | 31         | 35         | 49         |
| 7    | 52         | 34         | 33         | 35         | 53         |
| 8    | 47         | 33         | 30         | 39         | 49         |
| 9    | 48         | 33         | 34         | 35         | 48         |
| 10   | 44         | 34         | 34         | 30         | 46         |
| 11   | 44         | 32         | 36         | 33         | 41         |
| 12   | 44         | 30         | 33         | 34         | 43         |
| 13   | 43         | 31         | 32         | 31         | 39         |
| 14   | 44         | 32         | 31         | 34         | 34         |
| 15   | 49         | 33         | 32         | 33         | 35         |
| 16   | 48         | 33         | 33         | 34         | 44         |
| 17   | 47         | 34         | 32         | 36         | 45         |
| 18   | 45         | 34         | 30         | 34         | 46         |
| 19   | 46         | 35         | 33         | 33         | 42         |
| 20   | 40         | 32         | 29         | 36         | 41         |
| 21   | 34         | 30         | 29         | 34         | 42         |
| 22   | 31         | 27         | 30         | 33         | 42         |
| 23   | 30         | 24         | 32         | 37         | 41         |

Marion

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 6          | 28         | 31         | 6          | 27         |
| 1    | 7          | 26         | 32         | 6          | 25         |
| 2    | 24         | 25         | 33         | 22         | 21         |
| 3    | 25         | 22         | 34         | 28         | 19         |
| 4    | 27         | 26         | 36         | 30         | 24         |
| 5    | 30         | 29         | 39         | 32         | 29         |
| 6    | 30         | 30         | 40         | 34         | 26         |
| 7    | 30         | 28         | 38         | 35         | 23         |
| 8    | 30         | 26         | 37         | 35         | 21         |
| 9    | 30         | 22         | 35         | 36         | 17         |
| 10   | 30         | 19         | 29         | 35         | 14         |
| 11   | 28         | 12         | 27         | 33         | 27         |
| 12   | 28         | 9          | 27         | 33         | 27         |
| 13   | 28         | 26         | 29         | 33         | 27         |
| 14   | 28         | 23         | 25         | 33         | 30         |
| 15   | 28         | 26         | 27         | 33         | 29         |
| 16   | 30         | 26         | 25         | 33         | 29         |
| 17   | 31         | 28         | 23         | 35         | 28         |
| 18   | 32         | 30         | 21         | 37         | 31         |
| 19   | 32         | 29         | 19         | 36         | 33         |
| 20   | 30         | 30         | 11         | 35         | 34         |
| 21   | 30         | 30         | 7          | 33         | 33         |
| 22   | 30         | 30         | 6          | 32         | 34         |
| 23   | 28         | 29         | 6          | 31         | 35         |

Pahiatua DF

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 112        | 120        | 127        | 125        | 131        |
| 1    | 110        | 128        | 111        | 137        | 131        |
| 2    | 111        | 123        | 107        | 138        | 142        |
| 3    | 108        | 124        | 112        | 139        | 131        |
| 4    | 123        | 129        | 135        | 138        | 118        |
| 5    | 135        | 130        | 133        | 80         | 125        |
| 6    | 131        | 129        | 134        | 63         | 140        |
| 7    | 128        | 117        | 130        | 77         | 142        |
| 8    | 127        | 117        | 131        | 97         | 143        |
| 9    | 129        | 118        | 130        | 80         | 142        |
| 10   | 123        | 104        | 131        | 90         | 136        |
| 11   | 124        | 103        | 125        | 76         | 127        |
| 12   | 122        | 101        | 126        | 74         | 129        |
| 13   | 121        | 104        | 128        | 101        | 131        |
| 14   | 122        | 106        | 127        | 98         | 130        |
| 15   | 135        | 108        | 124        | 133        | 137        |
| 16   | 142        | 110        | 124        | 113        | 127        |
| 17   | 135        | 101        | 127        | 128        | 130        |
| 18   | 135        | 101        | 126        | 132        | 139        |
| 19   | 136        | 98         | 125        | 131        | 138        |
| 20   | 134        | 95         | 135        | 130        | 143        |
| 21   | 129        | 101        | 134        | 131        | 145        |
| 22   | 113        | 113        | 134        | 133        | 137        |
| 23   | 113        | 130        | 137        | 129        | 140        |

Palmerston North

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 46         | 50         | 44         | 60         | 63         |
| 1    | 48         | 52         | 46         | 58         | 66         |
| 2    | 54         | 56         | 48         | 65         | 72         |
| 3    | 61         | 68         | 62         | 75         | 83         |
| 4    | 83         | 95         | 84         | 95         | 105        |
| 5    | 164        | 178        | 163        | 182        | 191        |
| 6    | 194        | 224        | 207        | 236        | 250        |
| 7    | 178        | 203        | 195        | 243        | 242        |
| 8    | 157        | 172        | 178        | 235        | 212        |
| 9    | 153        | 155        | 167        | 224        | 178        |
| 10   | 141        | 137        | 161        | 204        | 167        |
| 11   | 126        | 125        | 152        | 191        | 153        |
| 12   | 125        | 114        | 145        | 175        | 138        |
| 13   | 118        | 99         | 145        | 153        | 114        |
| 14   | 118        | 92         | 130        | 138        | 113        |
| 15   | 147        | 102        | 137        | 141        | 126        |
| 16   | 172        | 112        | 168        | 146        | 138        |
| 17   | 183        | 113        | 177        | 160        | 144        |
| 18   | 174        | 126        | 173        | 181        | 156        |
| 19   | 154        | 122        | 164        | 179        | 148        |
| 20   | 125        | 100        | 141        | 155        | 130        |
| 21   | 91         | 77         | 107        | 120        | 101        |
| 22   | 64         | 57         | 78         | 87         | 74         |
| 23   | 56         | 48         | 63         | 71         | 59         |

Takapau

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 2          | 11         | 8          | 10         | 8          |
| 1    | 2          | 10         | 7          | 11         | 8          |
| 2    | 3          | 7          | 6          | 9          | 7          |
| 3    | 4          | 9          | 12         | 15         | 11         |
| 4    | 15         | 20         | 19         | 22         | 19         |
| 5    | 17         | 23         | 17         | 22         | 18         |
| 6    | 18         | 19         | 17         | 22         | 18         |
| 7    | 18         | 18         | 18         | 19         | 18         |
| 8    | 17         | 17         | 18         | 17         | 20         |
| 9    | 17         | 17         | 18         | 16         | 19         |
| 10   | 17         | 16         | 18         | 17         | 19         |
| 11   | 16         | 15         | 15         | 17         | 17         |
| 12   | 16         | 15         | 15         | 17         | 16         |
| 13   | 17         | 16         | 17         | 18         | 15         |
| 14   | 18         | 16         | 17         | 17         | 15         |
| 15   | 17         | 16         | 17         | 18         | 17         |
| 16   | 18         | 16         | 19         | 18         | 18         |
| 17   | 19         | 15         | 23         | 20         | 19         |
| 18   | 20         | 15         | 22         | 21         | 19         |
| 19   | 20         | 15         | 22         | 22         | 20         |
| 20   | 20         | 19         | 23         | 22         | 23         |
| 21   | 20         | 20         | 23         | 22         | 22         |
| 22   | 20         | 21         | 23         | 22         | 22         |
| 23   | 12         | 17         | 21         | 18         | 18         |



Waitangirua (Hutt Valley)

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 14         | 15         | 12         | 23         | 18         |
| 1    | 14         | 15         | 11         | 24         | 19         |
| 2    | 14         | 18         | 13         | 26         | 21         |
| 3    | 17         | 22         | 18         | 32         | 26         |
| 4    | 30         | 37         | 29         | 44         | 37         |
| 5    | 63         | 74         | 60         | 81         | 71         |
| 6    | 87         | 99         | 84         | 114        | 100        |
| 7    | 80         | 87         | 73         | 113        | 94         |
| 8    | 67         | 65         | 62         | 97         | 73         |
| 9    | 59         | 52         | 63         | 84         | 64         |
| 10   | 50         | 45         | 60         | 71         | 55         |
| 11   | 46         | 40         | 58         | 62         | 46         |
| 12   | 43         | 36         | 50         | 55         | 41         |
| 13   | 44         | 31         | 50         | 49         | 38         |
| 14   | 47         | 29         | 58         | 42         | 31         |
| 15   | 58         | 36         | 68         | 45         | 33         |
| 16   | 71         | 45         | 62         | 51         | 38         |
| 17   | 77         | 57         | 67         | 59         | 41         |
| 18   | 78         | 58         | 72         | 71         | 50         |
| 19   | 71         | 57         | 73         | 74         | 53         |
| 20   | 56         | 48         | 60         | 67         | 49         |
| 21   | 38         | 33         | 44         | 46         | 38         |
| 22   | 24         | 19         | 30         | 30         | 24         |
| 23   | 17         | 14         | 24         | 21         | 18         |

Wanganui

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 96         | 133        | 124        | 102        | 149        |
| 1    | 110        | 138        | 123        | 121        | 153        |
| 2    | 105        | 132        | 121        | 137        | 154        |
| 3    | 118        | 130        | 123        | 136        | 157        |
| 4    | 130        | 144        | 140        | 155        | 170        |
| 5    | 161        | 175        | 142        | 187        | 209        |
| 6    | 185        | 201        | 177        | 222        | 237        |
| 7    | 173        | 201        | 193        | 232        | 234        |
| 8    | 155        | 188        | 186        | 240        | 221        |
| 9    | 171        | 145        | 180        | 227        | 178        |
| 10   | 183        | 146        | 179        | 217        | 148        |
| 11   | 177        | 127        | 177        | 208        | 135        |
| 12   | 170        | 126        | 186        | 181        | 117        |
| 13   | 171        | 123        | 187        | 150        | 111        |
| 14   | 164        | 119        | 178        | 138        | 111        |
| 15   | 147        | 121        | 144        | 140        | 118        |
| 16   | 164        | 120        | 151        | 144        | 124        |
| 17   | 164        | 130        | 169        | 155        | 139        |
| 18   | 162        | 140        | 173        | 193        | 149        |
| 19   | 155        | 167        | 175        | 205        | 144        |
| 20   | 143        | 166        | 156        | 191        | 115        |
| 21   | 132        | 151        | 128        | 171        | 129        |
| 22   | 141        | 139        | 108        | 134        | 142        |
| 23   | 140        | 125        | 104        | 126        | 133        |

Wellington (Tawa)

| Hour | 3-Oct-2022 | 4-Oct-2022 | 5-Oct-2022 | 6-Oct-2022 | 7-Oct-2022 |
|------|------------|------------|------------|------------|------------|
| 0    | 156        | 176        | 135        | 222        | 184        |
| 1    | 156        | 166        | 134        | 220        | 178        |
| 2    | 177        | 176        | 140        | 236        | 185        |
| 3    | 209        | 198        | 169        | 266        | 211        |
| 4    | 286        | 281        | 249        | 359        | 298        |
| 5    | 460        | 497        | 435        | 561        | 492        |
| 6    | 638        | 701        | 613        | 787        | 697        |
| 7    | 638        | 663        | 560        | 843        | 712        |
| 8    | 567        | 493        | 473        | 766        | 597        |
| 9    | 506        | 414        | 429        | 681        | 532        |
| 10   | 484        | 374        | 403        | 590        | 467        |
| 11   | 471        | 354        | 393        | 543        | 429        |
| 12   | 438        | 331        | 408        | 502        | 396        |
| 13   | 453        | 315        | 446        | 452        | 365        |
| 14   | 475        | 304        | 503        | 418        | 355        |
| 15   | 514        | 338        | 568        | 430        | 363        |
| 16   | 509        | 384        | 579        | 468        | 404        |
| 17   | 514        | 416        | 574        | 487        | 418        |
| 18   | 531        | 437        | 564        | 528        | 451        |
| 19   | 500        | 426        | 540        | 538        | 444        |
| 20   | 433        | 386        | 460        | 482        | 397        |
| 21   | 328        | 294        | 345        | 353        | 311        |
| 22   | 228        | 205        | 263        | 248        | 239        |
| 23   | 188        | 164        | 238        | 198        | 194        |

## 2.6 Frankley Road System

### Taranaki Combined Cycle

| Hour | 7-Aug-2023 | 8-Aug-2023 | 9-Aug-2023 | 10-Aug-2023 | 11-Aug-2023 |
|------|------------|------------|------------|-------------|-------------|
| 0    | 1,690      | 1,034      | 1,849      | 1,429       | 1,194       |
| 1    | 1,781      | 763        | 1,759      | 1,303       | 1,285       |
| 2    | 1,687      | 591        | 1,582      | 1,181       | 1,021       |
| 3    | 1,687      | 680        | 1,648      | 1,227       | 969         |
| 4    | 1,669      | 870        | 1,677      | 1,476       | 1,041       |
| 5    | 1,777      | 1,388      | 1,706      | 1,348       | 1,347       |
| 6    | 2,032      | 1,469      | 1,679      | 1,330       | 1,397       |
| 7    | 2,131      | 1,536      | 1,669      | 1,260       | 1,497       |
| 8    | 2,045      | 1,672      | 1,686      | 1,272       | 1,477       |
| 9    | 1,871      | 1,887      | 1,691      | 1,276       | 1,462       |
| 10   | 1,998      | 2,005      | 1,800      | 1,511       | 1,419       |
| 11   | 1,964      | 2,410      | 1,734      | 1,658       | 1,416       |
| 12   | 2,293      | 2,388      | 2,419      | 1,698       | 1,422       |
| 13   | 2,206      | 2,292      | 2,390      | 1,705       | 1,370       |
| 14   | 2,278      | 2,087      | 2,324      | 1,637       | 1,409       |
| 15   | 2,321      | 2,010      | 1,676      | 541         | 1,137       |
| 16   | 2,209      | 2,292      | 1,637      | 357         | 1,105       |
| 17   | 2,123      | 2,438      | 1,562      | 291         | 1,314       |
| 18   | 2,047      | 2,445      | 1,527      | 461         | 2,020       |
| 19   | 1,968      | 2,441      | 1,534      | 1,167       | 2,330       |
| 20   | 2,044      | 2,442      | 1,590      | 1,285       | 2,335       |
| 21   | 2,077      | 2,442      | 1,567      | 1,429       | 2,296       |
| 22   | 1,740      | 2,444      | 1,579      | 1,174       | 2,290       |
| 23   | 1,762      | 2,307      | 1,509      | 1,096       | 2,294       |

Stratford 3

| Hour | 7-Aug-2023 | 8-Aug-2023 | 9-Aug-2023 | 10-Aug-2023 | 11-Aug-2023 |
|------|------------|------------|------------|-------------|-------------|
| 0    | -          | -          | -          | -           | -           |
| 1    | -          | -          | -          | -           | -           |
| 2    | -          | -          | -          | -           | -           |
| 3    | -          | -          | -          | -           | -           |
| 4    | -          | 54         | -          | -           | -           |
| 5    | -          | -          | 92         | -           | -           |
| 6    | -          | -          | -          | -           | -           |
| 7    | 64         | -          | -          | -           | -           |
| 8    | 24         | 70         | -          | -           | -           |
| 9    | -          | 1,480      | -          | -           | -           |
| 10   | -          | 2,464      | -          | -           | -           |
| 11   | -          | 2,548      | -          | -           | -           |
| 12   | -          | 2,514      | -          | -           | -           |
| 13   | -          | 1,458      | -          | -           | -           |
| 14   | -          | -          | -          | -           | -           |
| 15   | -          | -          | -          | -           | -           |
| 16   | -          | 14         | -          | -           | -           |
| 17   | -          | 10         | -          | -           | -           |
| 18   | -          | -          | -          | -           | -           |
| 19   | -          | -          | -          | -           | -           |
| 20   | -          | -          | -          | -           | -           |
| 21   | -          | -          | -          | -           | 40          |
| 22   | -          | -          | -          | -           | -           |
| 23   | -          | -          | -          | -           | -           |

Stratford 2

| Hour | 7-Aug-2023 | 8-Aug-2023 | 9-Aug-2023 | 10-Aug-2023 | 11-Aug-2023 |
|------|------------|------------|------------|-------------|-------------|
| 0    | -          | -          | -          | 404         | 396         |
| 1    | -          | -          | -          | -           | 396         |
| 2    | -          | -          | -          | -           | 396         |
| 3    | -          | -          | -          | -           | 392         |
| 4    | -          | -          | -          | -           | 436         |
| 5    | -          | -          | -          | -           | 600         |
| 6    | -          | -          | 76         | 12          | 732         |
| 7    | -          | -          | 836        | 544         | 916         |
| 8    | -          | -          | 840        | 504         | 980         |
| 9    | -          | -          | 352        | 488         | 972         |
| 10   | -          | -          | 32         | 716         | 748         |
| 11   | -          | -          | -          | 932         | 620         |
| 12   | -          | -          | -          | 932         | 532         |
| 13   | -          | -          | -          | 888         | 28          |
| 14   | -          | -          | -          | 632         | -           |
| 15   | -          | -          | -          | 640         | -           |
| 16   | -          | 16         | -          | 780         | -           |
| 17   | -          | 520        | 420        | 872         | 108         |
| 18   | -          | 784        | 956        | 1,468       | 504         |
| 19   | -          | 648        | 972        | 1,340       | 428         |
| 20   | -          | 848        | 980        | 1,200       | 780         |
| 21   | -          | 864        | 968        | 1,216       | 880         |
| 22   | -          | 532        | 824        | 816         | 736         |
| 23   | -          | 28         | 576        | 624         | 500         |

AUP

| Hour | 7-Aug-2023 | 8-Aug-2023 | 9-Aug-2023 | 10-Aug-2023 | 11-Aug-2023 |
|------|------------|------------|------------|-------------|-------------|
| 0    | 792        | 796        | 796        | 799         | 800         |
| 1    | 792        | 795        | 796        | 803         | 802         |
| 2    | 793        | 793        | 798        | 798         | 804         |
| 3    | 792        | 795        | 798        | 800         | 803         |
| 4    | 795        | 797        | 797        | 798         | 803         |
| 5    | 792        | 796        | 797        | 798         | 803         |
| 6    | 792        | 797        | 797        | 797         | 804         |
| 7    | 792        | 795        | 796        | 795         | 806         |
| 8    | 792        | 796        | 796        | 801         | 805         |
| 9    | 790        | 796        | 798        | 804         | 804         |
| 10   | 789        | 795        | 799        | 805         | 801         |
| 11   | 788        | 792        | 798        | 807         | 802         |
| 12   | 788        | 793        | 801        | 808         | 801         |
| 13   | 789        | 795        | 799        | 808         | 800         |
| 14   | 790        | 794        | 798        | 807         | 801         |
| 15   | 788        | 795        | 799        | 806         | 805         |
| 16   | 790        | 794        | 798        | 806         | 807         |
| 17   | 790        | 796        | 800        | 806         | 805         |
| 18   | 793        | 797        | 800        | 804         | 808         |
| 19   | 790        | 798        | 799        | 805         | 811         |
| 20   | 794        | 796        | 798        | 802         | 810         |
| 21   | 798        | 795        | 799        | 803         | 808         |
| 22   | 798        | 796        | 799        | 802         | 805         |
| 23   | 797        | 795        | 799        | 802         | 799         |

Maui Bypass (flow to KGTP compressors)

| Hour | 7-Aug-2023 | 8-Aug-2023 | 9-Aug-2023 | 10-Aug-2023 | 11-Aug-2023 |
|------|------------|------------|------------|-------------|-------------|
| 0    | 1,419      | 1,511      | 1,735      | 1,852       | 1,761       |
| 1    | 1,361      | 1,475      | 1,722      | 1,819       | 1,708       |
| 2    | 1,313      | 1,438      | 1,675      | 1,627       | 1,689       |
| 3    | 1,246      | 1,403      | 1,627      | 1,752       | 1,667       |
| 4    | 1,204      | 1,400      | 1,601      | 1,796       | 1,617       |
| 5    | 1,201      | 1,407      | 1,588      | 1,769       | 1,673       |
| 6    | 1,193      | 1,414      | 1,629      | 1,813       | 1,819       |
| 7    | 1,285      | 1,456      | 1,648      | 1,855       | 1,954       |
| 8    | 1,480      | 1,519      | 1,760      | 1,844       | 1,948       |
| 9    | 1,544      | 1,522      | 1,852      | 1,876       | 1,954       |
| 10   | 1,539      | 1,563      | 1,882      | 1,910       | 1,782       |
| 11   | 1,453      | 1,611      | 1,863      | 1,912       | 1,984       |
| 12   | 1,405      | 1,647      | 1,826      | 1,917       | 1,575       |
| 13   | 1,437      | 1,706      | 1,841      | 1,898       | 1,722       |
| 14   | 1,474      | 1,674      | 1,789      | 1,871       | 1,826       |
| 15   | 1,492      | 1,656      | 1,735      | 1,757       | 1,794       |
| 16   | 1,528      | 1,585      | 1,800      | 1,673       | 1,771       |
| 17   | 1,590      | 1,591      | 1,895      | 1,733       | 1,709       |
| 18   | 1,774      | 1,690      | 1,871      | 1,991       | 1,896       |
| 19   | 1,824      | 1,722      | 1,936      | 1,995       | 1,964       |
| 20   | 1,800      | 1,724      | 1,943      | 2,103       | 1,947       |
| 21   | 1,628      | 1,792      | 1,941      | 2,072       | 1,895       |
| 22   | 1,607      | 1,861      | 1,928      | 1,955       | 1,806       |
| 23   | 1,555      | 1,842      | 1,897      | 1,754       | 1,754       |



## 2.7 Maui System

### Bertrand Road

| Hour | 27-Mar-2023 | 28-Mar-2023 | 29-Mar-2023 | 30-Mar-2023 | 31-Mar-2023 |
|------|-------------|-------------|-------------|-------------|-------------|
| 0    | 2,024       | 1,908       | 2,176       | 2,180       | 2,128       |
| 1    | 2,020       | 1,932       | 2,208       | 2,184       | 2,128       |
| 2    | 2,024       | 1,956       | 2,200       | 2,196       | 2,116       |
| 3    | 2,028       | 1,956       | 2,208       | 2,212       | 2,100       |
| 4    | 2,040       | 1,948       | 2,204       | 2,212       | 2,088       |
| 5    | 2,008       | 1,940       | 2,196       | 2,200       | 2,092       |
| 6    | 2,000       | 1,884       | 2,176       | 2,172       | 2,104       |
| 7    | 1,992       | 1,908       | 2,184       | 2,168       | 2,092       |
| 8    | 1,984       | 1,992       | 2,196       | 2,152       | 2,088       |
| 9    | 1,980       | 2,000       | 2,208       | 2,180       | 2,108       |
| 10   | 1,988       | 5,560       | 2,252       | 2,176       | 2,124       |
| 11   | 1,976       | 3,252       | 2,244       | 2,188       | 2,088       |
| 12   | 1,992       | 2,144       | 2,196       | 2,192       | 2,120       |
| 13   | 1,980       | 2,168       | 2,200       | 2,172       | 2,092       |
| 14   | 1,984       | 2,124       | 2,192       | 2,160       | 2,104       |
| 15   | 1,992       | 2,156       | 2,208       | 2,144       | 2,108       |
| 16   | 1,964       | 2,168       | 2,220       | 2,140       | 2,112       |
| 17   | 1,960       | 2,160       | 2,224       | 2,144       | 2,104       |
| 18   | 1,948       | 2,176       | 2,204       | 2,144       | 2,104       |
| 19   | 1,936       | 2,172       | 2,196       | 2,160       | 2,104       |
| 20   | 1,908       | 2,168       | 2,168       | 2,136       | 2,100       |
| 21   | 1,912       | 2,188       | 2,184       | 2,128       | 2,096       |
| 22   | 1,904       | 2,172       | 2,192       | 2,132       | 2,108       |
| 23   | 1,884       | 2,196       | 2,188       | 2,128       | 2,108       |

Frankley Road

| Hour | 27-Mar-2023 | 28-Mar-2023 | 29-Mar-2023 | 30-Mar-2023 | 31-Mar-2023 |
|------|-------------|-------------|-------------|-------------|-------------|
| 0    | 1,784       | 1,080       | 88          | 2,360       | 1,336       |
| 1    | 1,768       | 1,400       | -           | 2,424       | 1,496       |
| 2    | 1,576       | 1,392       | -           | 2,384       | 1,152       |
| 3    | 1,352       | 1,440       | -           | 2,392       | 1,000       |
| 4    | 16          | 1,488       | -           | 608         | 944         |
| 5    | -           | 1,416       | -           | -           | 872         |
| 6    | -           | 1,560       | 184         | -           | 1,256       |
| 7    | -           | 1,920       | 416         | 48          | 1,720       |
| 8    | -           | 2,248       | 1,360       | -           | 1,408       |
| 9    | -           | 2,288       | 944         | -           | 304         |
| 10   | -           | 1,088       | 1,104       | -           | 40          |
| 11   | -           | 840         | 1,056       | -           | -           |
| 12   | -           | 640         | 552         | -           | -           |
| 13   | -           | 704         | 408         | -           | -           |
| 14   | -           | 768         | 472         | -           | -           |
| 15   | -           | 896         | 768         | -           | -           |
| 16   | -           | 1,536       | 112         | 144         | -           |
| 17   | -           | 1,200       | -           | 712         | -           |
| 18   | -           | 952         | -           | 1,488       | -           |
| 19   | -           | 920         | -           | 8           | -           |
| 20   | -           | 1,152       | 824         | 8           | -           |
| 21   | -           | 1,456       | 816         | 24          | -           |
| 22   | -           | 800         | 560         | 152         | -           |
| 23   | -           | 800         | 1,168       | 704         | -           |

Huntly Power Station

| Hour | 27-Mar-2023 | 28-Mar-2023 | 29-Mar-2023 | 30-Mar-2023 | 31-Mar-2023 |
|------|-------------|-------------|-------------|-------------|-------------|
| 0    | 2,030       | 2,072       | 2,088       | 2,366       | 2,168       |
| 1    | 2,092       | 2,084       | 2,238       | 2,488       | 2,108       |
| 2    | 2,108       | 2,068       | 2,094       | 2,514       | 2,076       |
| 3    | 2,164       | 2,138       | 2,188       | 2,796       | 2,060       |
| 4    | 2,708       | 2,590       | 2,712       | 3,100       | 2,196       |
| 5    | 3,176       | 2,826       | 3,376       | 3,894       | 2,640       |
| 6    | 3,256       | 3,090       | 4,336       | 4,164       | 3,100       |
| 7    | 3,228       | 3,118       | 3,972       | 3,900       | 3,124       |
| 8    | 3,150       | 3,108       | 3,130       | 3,610       | 3,112       |
| 9    | 2,954       | 3,094       | 2,978       | 3,258       | 3,080       |
| 10   | 2,990       | 3,160       | 2,860       | 2,930       | 3,228       |
| 11   | 2,890       | 3,540       | 2,686       | 2,782       | 3,200       |
| 12   | 2,784       | 3,094       | 2,574       | 2,700       | 3,148       |
| 13   | 2,868       | 2,872       | 2,622       | 2,620       | 3,152       |
| 14   | 3,248       | 2,902       | 2,874       | 2,664       | 3,044       |
| 15   | 3,180       | 3,074       | 3,136       | 3,128       | 3,194       |
| 16   | 3,362       | 4,242       | 3,112       | 3,246       | 3,034       |
| 17   | 3,604       | 4,044       | 3,044       | 3,566       | 3,188       |
| 18   | 3,250       | 4,028       | 3,008       | 3,710       | 2,936       |
| 19   | 3,132       | 3,816       | 2,972       | 3,492       | 2,948       |
| 20   | 3,148       | 3,702       | 3,016       | 2,818       | 3,084       |
| 21   | 3,036       | 3,014       | 3,092       | 2,580       | 3,120       |
| 22   | 2,392       | 2,488       | 3,132       | 3,280       | 2,750       |
| 23   | 2,124       | 2,096       | 2,486       | 2,384       | 1,830       |

Mangorei

| Hour | 27-Mar-2023 | 28-Mar-2023 | 29-Mar-2023 | 30-Mar-2023 | 31-Mar-2023 |
|------|-------------|-------------|-------------|-------------|-------------|
| 0    | -           | -           | -           | -           | -           |
| 1    | -           | -           | -           | -           | -           |
| 2    | -           | -           | -           | -           | -           |
| 3    | -           | -           | 236         | -           | 4           |
| 4    | -           | -           | 500         | 8           | 484         |
| 5    | 240         | -           | 952         | 488         | 508         |
| 6    | 504         | -           | 968         | 956         | 944         |
| 7    | 504         | -           | 964         | 968         | 960         |
| 8    | 496         | -           | 964         | 968         | 960         |
| 9    | 484         | -           | 540         | 536         | 952         |
| 10   | 484         | -           | 500         | 488         | 764         |
| 11   | 484         | -           | 500         | 488         | 484         |
| 12   | 484         | -           | 500         | 480         | 36          |
| 13   | 484         | 444         | 292         | 72          | -           |
| 14   | 484         | 480         | -           | -           | -           |
| 15   | 484         | 484         | -           | -           | -           |
| 16   | 484         | 32          | -           | 8           | 228         |
| 17   | 480         | -           | 228         | 480         | 488         |
| 18   | 488         | -           | 496         | 496         | 488         |
| 19   | 496         | -           | 496         | 496         | 488         |
| 20   | 496         | -           | 284         | 496         | 488         |
| 21   | 40          | -           | -           | 496         | 40          |
| 22   | -           | -           | -           | 500         | -           |
| 23   | -           | -           | -           | 40          | -           |

Ngatimaru Road

| Hour | 27-Mar-2023 | 28-Mar-2023 | 29-Mar-2023 | 30-Mar-2023 | 31-Mar-2023 |
|------|-------------|-------------|-------------|-------------|-------------|
| 0    | 5,286       | 5,364       | 5,378       | 5,576       | 5,716       |
| 1    | 5,288       | 5,354       | 5,388       | 5,580       | 5,718       |
| 2    | 5,290       | 5,352       | 5,384       | 5,590       | 5,722       |
| 3    | 5,292       | 5,352       | 5,380       | 5,592       | 5,718       |
| 4    | 5,296       | 5,350       | 5,384       | 5,594       | 5,716       |
| 5    | 5,288       | 5,346       | 5,382       | 5,590       | 5,716       |
| 6    | 5,282       | 5,210       | 5,378       | 5,584       | 5,716       |
| 7    | 5,278       | 4,970       | 5,368       | 5,580       | 5,636       |
| 8    | 5,272       | 4,680       | 5,388       | 5,596       | 5,606       |
| 9    | 5,272       | 4,498       | 5,414       | 5,652       | 5,614       |
| 10   | 5,270       | 594         | 5,508       | 5,656       | 5,624       |
| 11   | 5,274       | 3,256       | 5,502       | 5,656       | 5,604       |
| 12   | 5,244       | 4,708       | 5,584       | 5,670       | 5,616       |
| 13   | 5,272       | 4,956       | 5,584       | 5,676       | 5,604       |
| 14   | 5,276       | 5,120       | 5,582       | 5,678       | 5,608       |
| 15   | 5,272       | 5,356       | 5,582       | 5,708       | 5,606       |
| 16   | 5,300       | 5,386       | 5,588       | 5,708       | 5,606       |
| 17   | 5,312       | 5,390       | 5,586       | 5,712       | 5,604       |
| 18   | 5,310       | 5,392       | 5,578       | 5,712       | 5,604       |
| 19   | 5,340       | 5,388       | 5,576       | 5,718       | 5,598       |
| 20   | 5,364       | 5,380       | 5,570       | 5,716       | 5,590       |
| 21   | 5,374       | 5,386       | 5,574       | 5,716       | 5,596       |
| 22   | 5,368       | 5,382       | 5,576       | 5,714       | 5,600       |
| 23   | 5,370       | 5,394       | 5,578       | 5,714       | 5,608       |

Pirongia

| Hour | 27-Mar-2023 | 28-Mar-2023 | 29-Mar-2023 | 30-Mar-2023 | 31-Mar-2023 |
|------|-------------|-------------|-------------|-------------|-------------|
| 0    | 118         | 73          | 117         | 109         | 139         |
| 1    | 118         | 76          | 119         | 101         | 139         |
| 2    | 120         | 76          | 121         | 101         | 141         |
| 3    | 121         | 82          | 122         | 100         | 141         |
| 4    | 120         | 86          | 123         | 99          | 143         |
| 5    | 118         | 97          | 124         | 100         | 134         |
| 6    | 120         | 109         | 124         | 102         | 112         |
| 7    | 119         | 113         | 128         | 94          | 100         |
| 8    | 112         | 112         | 101         | 82          | 94          |
| 9    | 89          | 106         | 91          | 90          | 90          |
| 10   | 84          | 140         | 86          | 118         | 92          |
| 11   | 88          | 97          | 108         | 119         | 89          |
| 12   | 95          | 112         | 101         | 114         | 85          |
| 13   | 103         | 110         | 101         | 114         | 89          |
| 14   | 104         | 110         | 98          | 114         | 85          |
| 15   | 92          | 110         | 100         | 115         | 88          |
| 16   | 77          | 122         | 98          | 115         | 82          |
| 17   | 73          | 133         | 97          | 115         | 67          |
| 18   | 77          | 135         | 101         | 115         | 60          |
| 19   | 75          | 130         | 101         | 119         | 56          |
| 20   | 75          | 134         | 100         | 120         | 62          |
| 21   | 75          | 133         | 101         | 119         | 61          |
| 22   | 73          | 125         | 105         | 119         | 68          |
| 23   | 75          | 118         | 102         | 137         | 74          |

Pokuru

| Hour | 27-Mar-2023 | 28-Mar-2023 | 29-Mar-2023 | 30-Mar-2023 | 31-Mar-2023 |
|------|-------------|-------------|-------------|-------------|-------------|
| 0    | 752         | 929         | 996         | 896         | 900         |
| 1    | 735         | 964         | 982         | 891         | 925         |
| 2    | 706         | 856         | 935         | 889         | 914         |
| 3    | 708         | 814         | 933         | 879         | 911         |
| 4    | 737         | 791         | 858         | 874         | 919         |
| 5    | 747         | 772         | 799         | 863         | 928         |
| 6    | 798         | 809         | 829         | 926         | 996         |
| 7    | 804         | 812         | 887         | 947         | 1019        |
| 8    | 814         | 842         | 902         | 1002        | 1058        |
| 9    | 811         | 839         | 895         | 1020        | 1025        |
| 10   | 833         | 843         | 891         | 1006        | 978         |
| 11   | 830         | 863         | 914         | 1011        | 983         |
| 12   | 831         | 891         | 931         | 999         | 986         |
| 13   | 823         | 904         | 957         | 978         | 1044        |
| 14   | 809         | 886         | 945         | 988         | 820         |
| 15   | 817         | 913         | 924         | 1005        | 745         |
| 16   | 858         | 905         | 945         | 981         | 968         |
| 17   | 861         | 905         | 924         | 962         | 933         |
| 18   | 872         | 978         | 942         | 962         | 965         |
| 19   | 866         | 1017        | 939         | 983         | 942         |
| 20   | 870         | 1024        | 929         | 930         | 923         |
| 21   | 821         | 1032        | 929         | 896         | 925         |
| 22   | 815         | 971         | 930         | 867         | 889         |
| 23   | 843         | 973         | 920         | 884         | 871         |

Rotowaro

| Hour | 27-Mar-2023 | 28-Mar-2023 | 29-Mar-2023 | 30-Mar-2023 | 31-Mar-2023 |
|------|-------------|-------------|-------------|-------------|-------------|
| 0    | 1,134       | 2,466       | 1,749       | 1,691       | 1,628       |
| 1    | 1,286       | 2,325       | 2,344       | 1,735       | 1,622       |
| 2    | 3,162       | 2,241       | 2,309       | 2,336       | 1,979       |
| 3    | 2,045       | 2,148       | 2,271       | 3,652       | 2,238       |
| 4    | 2,089       | 2,202       | 3,435       | 3,011       | 2,361       |
| 5    | 2,402       | 2,549       | 2,741       | 3,021       | 2,610       |
| 6    | 2,810       | 3,024       | 3,162       | 3,445       | 3,236       |
| 7    | 3,044       | 3,276       | 3,485       | 3,750       | 3,640       |
| 8    | 3,112       | 3,309       | 3,580       | 3,732       | 3,754       |
| 9    | 3,159       | 3,336       | 3,489       | 3,594       | 3,670       |
| 10   | 3,275       | 3,413       | 3,486       | 3,459       | 3,581       |
| 11   | 3,040       | 3,379       | 3,436       | 3,440       | 3,414       |
| 12   | 2,968       | 3,356       | 3,325       | 3,357       | 3,292       |
| 13   | 2,904       | 3,230       | 3,046       | 3,044       | 2,936       |
| 14   | 2,894       | 3,041       | 2,993       | 2,998       | 2,962       |
| 15   | 2,836       | 3,012       | 3,008       | 3,058       | 2,934       |
| 16   | 2,784       | 2,977       | 3,011       | 3,116       | 2,430       |
| 17   | 2,890       | 3,063       | 3,263       | 3,265       | 2,560       |
| 18   | 2,919       | 3,185       | 3,373       | 3,386       | 2,817       |
| 19   | 2,926       | 3,133       | 3,459       | 3,756       | 2,804       |
| 20   | 2,846       | 3,070       | 3,431       | 3,596       | 2,494       |
| 21   | 2,746       | 2,872       | 3,231       | 3,274       | 2,232       |
| 22   | 2,550       | 2,667       | 2,957       | 2,944       | 2,005       |
| 23   | 2,154       | 2,073       | 2,757       | 2,740       | 1,889       |



Te Kuiti South

| Hour | 27-Mar-2023 | 28-Mar-2023 | 29-Mar-2023 | 30-Mar-2023 | 31-Mar-2023 |
|------|-------------|-------------|-------------|-------------|-------------|
| 0    | 25          | 26          | 28          | 27          | 26          |
| 1    | 25          | 27          | 28          | 29          | 28          |
| 2    | 27          | 27          | 27          | 28          | 28          |
| 3    | 27          | 27          | 26          | 28          | 27          |
| 4    | 30          | 28          | 29          | 29          | 28          |
| 5    | 29          | 29          | 30          | 29          | 27          |
| 6    | 28          | 29          | 29          | 29          | 27          |
| 7    | 28          | 22          | 29          | 28          | 26          |
| 8    | 28          | 26          | 30          | 28          | 25          |
| 9    | 27          | 29          | 29          | 28          | 25          |
| 10   | 25          | 29          | 29          | 28          | 25          |
| 11   | 27          | 29          | 28          | 28          | 26          |
| 12   | 28          | 29          | 27          | 28          | 27          |
| 13   | 28          | 29          | 28          | 28          | 27          |
| 14   | 28          | 29          | 28          | 28          | 28          |
| 15   | 25          | 29          | 29          | 29          | 27          |
| 16   | 29          | 28          | 29          | 29          | 27          |
| 17   | 27          | 27          | 28          | 27          | 27          |
| 18   | 11          | 25          | 27          | 27          | 27          |
| 19   | 2           | 25          | 27          | 28          | 27          |
| 20   | 2           | 26          | 27          | 26          | 28          |
| 21   | 20          | 27          | 29          | 28          | 26          |
| 22   | 27          | 27          | 28          | 29          | 26          |
| 23   | 27          | 27          | 28          | 29          | 27          |