



REGULATORY DISCLOSURE

# Gas transmission services: Peak flow disclosure

Year ended 30 September 2020



## Introduction

First Gas Limited (Firstgas) operates 2,500 kilometres of gas transmission pipelines (including the Maui pipeline), and more than 4,800 kilometres of gas distribution pipelines across the North Island. These gas infrastructure assets transport gas from Taranaki to major industrial gas users, electricity generators, businesses and homes, and transport around 20 percent of New Zealand's primary energy supply. For further information on Firstgas, please visit our website [www.firstgas.co.nz](http://www.firstgas.co.nz).

Firstgas is part of the wider Firstgas Group. The Firstgas Group owns energy infrastructure assets across New Zealand through our affiliate Gas Services NZ Limited (GSNZ), a separate business with common shareholders that owns Rockgas and the Ahuroa gas storage facility.

Rockgas has over 80 years' experience and provides LPG to 100,000 customers throughout New Zealand. It is New Zealand's largest LPG retail business and supplies its customers with LPG from both domestic and imported sources. Visit the website [www.rockgas.co.nz](http://www.rockgas.co.nz). The Ahuroa gas storage facility (trading as Flexgas Limited) is New Zealand's only open access gas storage facility. Visit the website [www.flexgas.co.nz](http://www.flexgas.co.nz).

For further information on First Gas, please visit our website [www.firstgas.co.nz](http://www.firstgas.co.nz).

## 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 First Gas' gas transmission business (both the Maui and Non-Maui transmission systems) for the 12-month period ending 30 September 2020.

This regulatory disclosure was prepared on 21 October 2020.

## Further information

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## **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.

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## 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 | Period<br>Ending  | Throughput |
|                                                             |                                                                  |                  | (GJ)       |                   | (GJ)       |
| Rotowaro Net Flow North<br>(Total Rotowaro Flow – CEN Flow) |                                                                  | 03-Jul-20        | 378,108    |                   |            |
|                                                             |                                                                  |                  |            |                   |            |
|                                                             | Harrisville 2                                                    | 03-Jul-20        | 9,491      | 03-Jul-20         | 9,491      |
|                                                             | Drury                                                            | 03-Jul-20        | 4,791      | 10-Jul-20         | 5,888      |
|                                                             | Hunua                                                            | 03-Jul-20        | 7,017      | 28-Aug-20         | 7,466      |
|                                                             | Flat Bush                                                        | 03-Jul-20        | 7,432      | 14-Aug-20         | 7,918      |
|                                                             | Bruce McLaren                                                    | 03-Jul-20        | 7,368      | 10-Jul-20         | 7,370      |
|                                                             | Marsden Point                                                    | 03-Jul-20        | 39,449     | 06-Dec-19         | 61,067     |
|                                                             | Waitoki                                                          | 03-Jul-20        | 4,772      | 10-Jul-20         | 5,024      |
|                                                             | Glenbrook                                                        | 03-Jul-20        | 33,855     | 17-Jul-20         | 37,528     |
|                                                             | Westfield                                                        | 03-Jul-20        | 135,573    | 25-Sep-20         | 157,210    |
|                                                             | Warkworth                                                        | 03-Jul-20        | 5,905      | 22-May-20         | 5,913      |
|                                                             | Tuakau                                                           | 03-Jul-20        | 9,480      | 19-Jun-20         | 16,299     |
|                                                             | Papakura                                                         | 03-Jul-20        | 49,096     | 14-Aug-20         | 71,702     |
|                                                             | Henderson                                                        | 03-Jul-20        | 14,525     | 14-Aug-20         | 16,657     |
|                                                             | Whangarei                                                        | 03-Jul-20        | 2,772      | 10-Jul-20         | 2,817      |
|                                                             | Maungaturoto                                                     | 03-Jul-20        | 5,011      | 25-Sep-20         | 9,954      |
|                                                             | Waikumete                                                        | 03-Jul-20        | 29,088     | 03-Jul-20         | 29,088     |
|                                                             | Kauri                                                            | 03-Jul-20        | 2,422      | 04-Sep-20         | 10,986     |

#### Note:

1. The North System peak flow period was identified as the period ending 03 July 2020.
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's 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 | Period<br>Ending  | Throughput |
|                                                               |                                                                  |                  | (GJ)       |                   | (GJ)       |
| Rotowaro Net Flow South<br>(Total Rotowaro Flow – North Flow) |                                                                  | 11-Sep-20        | 138,896    |                   |            |
|                                                               |                                                                  |                  |            |                   |            |
|                                                               | Hamilton Temple View                                             | 11-Sep-20        | 21,664     | 28-Aug-20         | 23,518     |
|                                                               | Tatuanui DF                                                      | 11-Sep-20        | 6,443      | 25-Sep-20         | 7,010      |
|                                                               | Waitoa                                                           | 11-Sep-20        | 5,650      | 04-Sep-20         | 5,728      |
|                                                               | Cambridge                                                        | 11-Sep-20        | 8,249      | 28-Aug-20         | 10,344     |
|                                                               | Kiwitahi (Degussa)                                               | 11-Sep-20        | 4,304      | 27-Mar-20         | 4,900      |
|                                                               | Hamilton Te Kowhai                                               | 11-Sep-20        | 11,026     | 31-Jul-20         | 16,330     |
|                                                               | Te Rapa Cogen                                                    | 11-Sep-20        | 73,496     | 11-Sep-20         | 73,496     |
|                                                               | Horotiu                                                          | 11-Sep-20        | 5,468      | 22-May-20         | 7,232      |

### Note:

1. The Central North System peak flow period was identified as the period ending 11 September 2020.
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's Peak Flow period have been reported.
4. The throughput for Te Rapa Cogen was included when calculating the timing of the System Peak Flow period.

### 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        |                                                                  | 31-Jan-20        | 96,533             |                   |                    |
|               | Eltham                                                           | 31-Jan-20        | 2,209              | 22-May-20         | 2,745              |
|               | New Plymouth                                                     | 31-Jan-20        | 8,241              | 03-Jul-20         | 15,947             |
|               | Pokuru Offtake                                                   | 31-Jan-20        | 103,376            | 31-Jan-20         | 103,376            |

**Note:**

1. The Central South System Peak flow period was identified as the period ending 31 January 2020.
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's Peak Flow period have been reported.
4. The throughput for Pokuru Offtake was 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        |                                                                     | 25-Oct-19        | 2,792              |                   |                    |
| Pokuru 2      |                                                                     | 25-Oct-19        | 181,792            |                   |                    |
|               |                                                                     |                  |                    |                   |                    |
|               | Lichfield DF                                                        | 25-Oct-19        | 9,394              | 11-Sep-20         | 9,886              |
|               | Lichfield 2                                                         | 25-Oct-19        | 19,431             | 18-Oct-19         | 19,559             |
|               | Edgecumbe DF                                                        | 25-Oct-19        | 21,455             | 07-Aug-20         | 23,207             |
|               | Reporoa                                                             | 25-Oct-19        | 9,407              | 25-Oct-19         | 9,407              |
|               | Whakatane                                                           | 25-Oct-19        | 16,405             | 18-Sep-20         | 16,947             |
|               | Tirau DF                                                            | 25-Oct-19        | 5,369              | 29-May-20         | 7,718              |
|               | Pyes Pa                                                             | 25-Oct-19        | 2,513              | 11-Sep-20         | 2,557              |
|               | Kinleith (CHH Mill)                                                 | 25-Oct-19        | 55,649             | 31-Jul-20         | 65,154             |
|               | Kawerau (Caxton),                                                   | 25-Oct-19        | 2,478              | 31-Jul-20         | 3,573              |
|               | Kawerau (Tasman)                                                    | 25-Oct-19        | 7,220              | 12-Jun-20         | 9,551              |
|               | Gisborne                                                            | 25-Oct-19        | 5,863              | 20-Mar-20         | 11,054             |
|               | Mt Maunganui                                                        | 25-Oct-19        | 10,268             | 17-Jan-20         | 10,794             |
|               | Rotorua                                                             | 25-Oct-19        | 5,998              | 10-Jul-20         | 8,411              |
|               | Tauranga                                                            | 25-Oct-19        | 2,431              | 10-Jul-20         | 5,429              |

### Note:

1. The Bay of Plenty System Peak flow period was identified as the period ending 25 October 2019.
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's Peak Flow period have been reported.
4. The throughput for Papamoa, Taupo, and Tokoroa have been excluded in 2020 as its System Peak flow was less than 2,000 Gigajoules during the peak flow period.



## 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)          |                                                               | 03-Jul-20        | 202,231            |                   |                    |
| Rimu Production Station |                                                               | 03-Jul-20        | 0                  |                   |                    |
|                         |                                                               |                  |                    |                   |                    |
|                         | Paraparaumu                                                   | 03-Jul-20        | 2,941              | 03-Jul-20         | 2,941              |
|                         | Waikanae                                                      | 03-Jul-20        | 2,437              | 03-Jul-20         | 2,437              |
|                         | Hawera                                                        | 03-Jul-20        | 3,970              | 25-Oct-19         | 6,092              |
|                         | Wanganui                                                      | 03-Jul-20        | 14,007             | 11-Sep-20         | 19,635             |
|                         | Marton                                                        | 03-Jul-20        | 3,739              | 03-Jul-20         | 3,739              |
|                         | Palmerston North                                              | 03-Jul-20        | 20,656             | 03-Jul-20         | 20,656             |
|                         | Longburn                                                      | 03-Jul-20        | 3,303              | 11-Sep-20         | 4,988              |
|                         | Levin                                                         | 03-Jul-20        | 4,371              | 31-Jul-20         | 4,928              |
|                         | Belmont                                                       | 03-Jul-20        | 34,628             | 03-Jul-20         | 34,628             |
|                         | Feilding                                                      | 03-Jul-20        | 4,051              | 12-Jun-20         | 4,285              |
|                         | Hastings                                                      | 03-Jul-20        | 34,910             | 24-Jul-20         | 41,646             |
|                         | Pauatahanui                                                   | 03-Jul-20        | 2,430              | 03-Jul-20         | 2,430              |
|                         | Wellington (Tawa)                                             | 03-Jul-20        | 60,491             | 03-Jul-20         | 60,491             |
|                         | Waitangirua (Hutt Valley)                                     | 03-Jul-20        | 8,766              | 03-Jul-20         | 8,766              |

### Note:

1. The South System Peak flow period was identified as the period ending 03 July 2020.
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's Peak Flow period have been reported.
4. Pahiatua DF has been excluded in 2020 as its System Peak flow was less than 2,000 Gigajoules during the South System 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 |                                                                     | 17-Jul-20        | 375,136            |                   |                    |
| Sidewinder              |                                                                     | 17-Jul-20        | 2,856              |                   |                    |
| Cheal Mixing Station    |                                                                     | 17-Jul-20        | 1,752              |                   |                    |
| Kaimiro                 |                                                                     | 17-Jul-20        | 1,406              |                   |                    |
| KGTP                    |                                                                     | 17-Jul-20        | 9,988              |                   |                    |
| Frankley Road           |                                                                     | 17-Jul-20        | 269,672            |                   |                    |
|                         |                                                                     |                  |                    |                   |                    |
|                         | Taranaki Combined Cycle                                             | 17-Jul-20        | 250,816            | 17-Jul-20         | 250,816            |
|                         | Stratford 3                                                         | 17-Jul-20        | 3,397              | 03-Jan-20         | 136,263            |
|                         | Stratford 2                                                         | 17-Jul-20        | 88,118             | 19-Jun-20         | 126,170            |
|                         | AUP                                                                 | 17-Jul-20        | 97,512             | 11-Sep-20         | 106,200            |

### Note:

1. The Frankley Road System Peak flow period was identified as the period ending 17 July 2020.
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's 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<br>FLOW PERIOD | SYSTEM PEAK FLOW |                    | OFFTAKE PEAK FLOW |                    |
|----------------|------------------------------------------------------------------|------------------|--------------------|-------------------|--------------------|
|                |                                                                  | Period<br>Ending | Throughput<br>(GJ) | Period Ending     | Throughput<br>(GJ) |
| Oaonui         |                                                                  | 28-Feb-20        | 341,856            |                   |                    |
| Tikorangi 2    |                                                                  | 28-Feb-20        | 101,453            |                   |                    |
| Tikorangi 2    |                                                                  | 28-Feb-20        | 264,786            |                   |                    |
| Tikorangi 3    |                                                                  | 28-Feb-20        | 447,672            |                   |                    |
| Kowhai         |                                                                  | 28-Feb-20        | 32,262             |                   |                    |
| Ngatimaru Road |                                                                  | 28-Feb-20        | 749,628            |                   |                    |
| Turangi        |                                                                  | 28-Feb-20        | 198,775            |                   |                    |
| Frankley       |                                                                  | 28-Feb-20        | 4,480              |                   |                    |
|                |                                                                  |                  |                    |                   |                    |
|                | Pirongia                                                         | 28-Feb-20        | 6,537              | 14-Aug-20         | 17,770             |
|                | Ngatimaru Road                                                   | 28-Feb-20        | 687,902            | 10-Jan-20         | 715,185            |
|                | Rotowaro                                                         | 28-Feb-20        | 380,626            | 04-Sep-20         | 513,971            |
|                | Huntly Power Station                                             | 28-Feb-20        | 314,552            | 22-May-20         | 608,552            |
|                | Pokuru                                                           | 28-Feb-20        | 86,852             | 25-Oct-19         | 181,792            |
|                | Bertrand Road                                                    | 28-Feb-20        | 490,625            | 13-Mar-20         | 560,251            |
|                | Frankley Road                                                    | 28-Feb-20        | 167,321            | 22-Nov-19         | 276,109            |
|                | Te Kuiti South                                                   | 28-Feb-20        | 3,743              | 18-Oct-19         | 4,023              |

### Note:

1. The Maui System Peak flow period was identified as the period ending 28 February 2020.
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's 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

#### Harrisville 2

| Hour | 29-Jun-20 | 30-Jun-20 | 1-Jul-20 | 2-Jul-20 | 3-Jul-20 |
|------|-----------|-----------|----------|----------|----------|
| 0    | 29        | 39        | 53       | 111      | 88       |
| 1    | 33        | 68        | 58       | 115      | 92       |
| 2    | 43        | 70        | 86       | 92       | 99       |
| 3    | 76        | 76        | 88       | 95       | 103      |
| 4    | 83        | 70        | 104      | 108      | 102      |
| 5    | 79        | 74        | 113      | 110      | 111      |
| 6    | 93        | 78        | 136      | 120      | 124      |
| 7    | 109       | 88        | 142      | 124      | 129      |
| 8    | 90        | 83        | 125      | 108      | 104      |
| 9    | 96        | 96        | 103      | 88       | 83       |
| 10   | 101       | 100       | 101      | 99       | 92       |
| 11   | 80        | 87        | 94       | 94       | 87       |
| 12   | 96        | 98        | 76       | 73       | 83       |
| 13   | 100       | 95        | 72       | 74       | 74       |
| 14   | 90        | 91        | 76       | 70       | 79       |
| 15   | 83        | 86        | 75       | 60       | 65       |
| 16   | 84        | 63        | 74       | 59       | 69       |
| 17   | 72        | 40        | 62       | 74       | 82       |
| 18   | 43        | 30        | 40       | 52       | 96       |
| 19   | 44        | 23        | 39       | 47       | 94       |
| 20   | 36        | 42        | 41       | 48       | 74       |
| 21   | 33        | 52        | 64       | 59       | 67       |
| 22   | 37        | 49        | 88       | 64       | 68       |
| 23   | 36        | 53        | 107      | 82       | 69       |

Drury

| Hour | 29-Jun-20 | 30-Jun-20 | 1-Jul-20 | 2-Jul-20 | 3-Jul-20 |
|------|-----------|-----------|----------|----------|----------|
| 0    | 61        | 61        | 40       | 13       | 80       |
| 1    | 61        | 44        | 59       | 14       | 78       |
| 2    | 52        | 36        | 74       | 12       | 47       |
| 3    | 50        | 43        | 78       | 15       | 14       |
| 4    | 58        | 42        | 78       | 10       | 15       |
| 5    | 61        | 49        | 79       | 14       | 15       |
| 6    | 55        | 48        | 53       | 14       | 15       |
| 7    | 46        | 40        | 13       | 15       | 15       |
| 8    | 37        | 37        | 14       | 9        | 11       |
| 9    | 36        | 37        | 35       | 18       | 33       |
| 10   | 34        | 36        | 35       | 34       | 32       |
| 11   | 37        | 35        | 35       | 34       | 35       |
| 12   | 41        | 34        | 36       | 35       | 33       |
| 13   | 49        | 36        | 35       | 34       | 33       |
| 14   | 25        | 36        | 37       | 35       | 35       |
| 15   | 41        | 35        | 36       | 35       | 36       |
| 16   | 25        | 36        | 39       | 36       | 27       |
| 17   | 21        | 21        | 30       | 24       | 22       |
| 18   | 38        | 23        | 47       | 32       | 32       |
| 19   | 57        | 19        | 79       | 52       | 34       |
| 20   | 63        | 20        | 79       | 66       | 30       |
| 21   | 49        | 37        | 80       | 75       | 49       |
| 22   | 37        | 46        | 67       | 75       | 66       |
| 23   | 57        | 43        | 13       | 77       | 69       |

Hunua

| Hour | 30-Jun-2020 | 1-Jul-2020 | 2-Jul-2020 | 3-Jul-2020 | 4-Jul-2020 |
|------|-------------|------------|------------|------------|------------|
| 0    | 43          | 53         | 64         | 65         | 59         |
| 1    | 42          | 57         | 61         | 66         | 60         |
| 2    | 47          | 60         | 62         | 62         | 62         |
| 3    | 52          | 59         | 60         | 54         | 61         |
| 4    | 51          | 60         | 59         | 61         | 61         |
| 5    | 58          | 59         | 58         | 60         | 68         |
| 6    | 54          | 60         | 65         | 59         | 60         |
| 7    | 58          | 64         | 62         | 60         | 61         |
| 8    | 63          | 64         | 66         | 62         | 66         |
| 9    | 58          | 64         | 65         | 67         | 67         |
| 10   | 62          | 66         | 64         | 70         | 66         |
| 11   | 62          | 63         | 63         | 63         | 62         |
| 12   | 59          | 64         | 64         | 62         | 63         |
| 13   | 62          | 66         | 68         | 66         | 33         |
| 14   | 64          | 65         | 73         | 69         | 34         |
| 15   | 62          | 67         | 67         | 64         | 26         |
| 16   | 62          | 61         | 71         | 64         | 25         |
| 17   | 64          | 63         | 67         | 64         | 24         |
| 18   | 58          | 64         | 65         | 65         | 23         |
| 19   | 63          | 58         | 72         | 63         | 25         |
| 20   | 64          | 60         | 64         | 66         | 22         |
| 21   | 58          | 64         | 63         | 61         | 22         |
| 22   | 57          | 59         | 69         | 66         | 16         |
| 23   | 56          | 63         | 64         | 60         | 17         |

Kauri

| Hour | 30-Jun-20 | 1-Jul-20 | 2-Jul-20 | 3-Jul-20 | 4-Jul-20 |
|------|-----------|----------|----------|----------|----------|
| 0    | 7         | 5        | 5        | 16       | 11       |
| 1    | 5         | 4        | 5        | 7        | 15       |
| 2    | 3         | 3        | 5        | 5        | 22       |
| 3    | 3         | 7        | 3        | 10       | 38       |
| 4    | 4         | 8        | 7        | 9        | 52       |
| 5    | 5         | 7        | 3        | 6        | 56       |
| 6    | 4         | 10       | 5        | 12       | 54       |
| 7    | 4         | 10       | 4        | 19       | 56       |
| 8    | 5         | 14       | 6        | 26       | 56       |
| 9    | 18        | 19       | 5        | 46       | 56       |
| 10   | 13        | 15       | 10       | 28       | 61       |
| 11   | 12        | 19       | 11       | 36       | 58       |
| 12   | 10        | 17       | 9        | 49       | 61       |
| 13   | 14        | 14       | 19       | 46       | 64       |
| 14   | 23        | 15       | 20       | 49       | 57       |
| 15   | 15        | 14       | 27       | 52       | 57       |
| 16   | 21        | 7        | 26       | 19       | 63       |
| 17   | 12        | 8        | 16       | 13       | 52       |
| 18   | 7         | 16       | 12       | 11       | 54       |
| 19   | 5         | 13       | 14       | 14       | 55       |
| 20   | 7         | 12       | 12       | 5        | 63       |
| 21   | 5         | 5        | 7        | 12       | 58       |
| 22   | 5         | 3        | 6        | 5        | 54       |
| 23   | 3         | 9        | 12       | 3        | 38       |

Flat Bush

| Hour | 30-Jun-20 | 1-Jul-20 | 2-Jul-20 | 3-Jul-20 | 4-Jul-20 |
|------|-----------|----------|----------|----------|----------|
| 0    | 23        | 42       | 41       | 49       | 42       |
| 1    | 24        | 41       | 41       | 51       | 40       |
| 2    | 26        | 41       | 50       | 48       | 41       |
| 3    | 27        | 42       | 54       | 49       | 35       |
| 4    | 37        | 44       | 50       | 49       | 45       |
| 5    | 46        | 48       | 52       | 55       | 56       |
| 6    | 69        | 59       | 59       | 58       | 56       |
| 7    | 67        | 75       | 67       | 71       | 75       |
| 8    | 77        | 79       | 68       | 74       | 75       |
| 9    | 75        | 83       | 75       | 76       | 80       |
| 10   | 81        | 82       | 76       | 82       | 78       |
| 11   | 80        | 78       | 73       | 82       | 75       |
| 12   | 82        | 77       | 73       | 85       | 78       |
| 13   | 77        | 73       | 74       | 80       | 66       |
| 14   | 76        | 68       | 72       | 76       | 66       |
| 15   | 76        | 75       | 72       | 75       | 66       |
| 16   | 72        | 73       | 75       | 72       | 54       |
| 17   | 66        | 71       | 74       | 75       | 59       |
| 18   | 68        | 74       | 72       | 64       | 57       |
| 19   | 65        | 67       | 72       | 55       | 54       |
| 20   | 60        | 63       | 65       | 57       | 58       |
| 21   | 60        | 62       | 67       | 57       | 45       |
| 22   | 54        | 61       | 64       | 54       | 38       |
| 23   | 49        | 55       | 59       | 47       | 35       |



Bruce McLaren

| Hour | 29-Jun-20 | 30-Jun-20 | 1-Jul-20 | 2-Jul-20 | 3-Jul-20 |
|------|-----------|-----------|----------|----------|----------|
| 0    | 27        | 33        | 37       | 37       | 42       |
| 1    | 26        | 28        | 34       | 36       | 36       |
| 2    | 28        | 34        | 40       | 42       | 40       |
| 3    | 31        | 33        | 36       | 40       | 41       |
| 4    | 37        | 38        | 43       | 44       | 43       |
| 5    | 40        | 48        | 54       | 53       | 53       |
| 6    | 57        | 62        | 65       | 63       | 63       |
| 7    | 72        | 77        | 80       | 83       | 84       |
| 8    | 82        | 84        | 84       | 91       | 93       |
| 9    | 81        | 85        | 82       | 88       | 88       |
| 10   | 73        | 84        | 76       | 85       | 84       |
| 11   | 72        | 81        | 70       | 83       | 79       |
| 12   | 75        | 75        | 70       | 78       | 77       |
| 13   | 77        | 75        | 70       | 73       | 75       |
| 14   | 69        | 73        | 65       | 65       | 70       |
| 15   | 64        | 65        | 60       | 66       | 60       |
| 16   | 66        | 62        | 59       | 63       | 64       |
| 17   | 72        | 64        | 66       | 71       | 69       |
| 18   | 71        | 71        | 76       | 77       | 75       |
| 19   | 66        | 71        | 77       | 74       | 71       |
| 20   | 60        | 67        | 72       | 69       | 63       |
| 21   | 53        | 57        | 62       | 59       | 59       |
| 22   | 47        | 48        | 53       | 50       | 46       |
| 23   | 40        | 42        | 45       | 46       | 36       |

Marsden Point

| Hour | 29-Jun-20 | 30-Jun-20 | 1-Jul-20 | 2-Jul-20 | 3-Jul-20 |
|------|-----------|-----------|----------|----------|----------|
| 0    | 347       | 335       | 340      | 325      | 335      |
| 1    | 330       | 335       | 340      | 324      | 333      |
| 2    | 327       | 336       | 341      | 325      | 334      |
| 3    | 326       | 336       | 340      | 327      | 333      |
| 4    | 327       | 335       | 340      | 325      | 334      |
| 5    | 327       | 336       | 340      | 325      | 335      |
| 6    | 327       | 333       | 340      | 326      | 335      |
| 7    | 328       | 333       | 339      | 324      | 335      |
| 8    | 328       | 329       | 335      | 328      | 334      |
| 9    | 321       | 317       | 324      | 326      | 315      |
| 10   | 306       | 316       | 320      | 325      | 326      |
| 11   | 277       | 305       | 321      | 331      | 328      |
| 12   | 307       | 320       | 319      | 331      | 321      |
| 13   | 323       | 318       | 320      | 332      | 325      |
| 14   | 337       | 319       | 325      | 335      | 296      |
| 15   | 329       | 322       | 323      | 337      | 317      |
| 16   | 315       | 323       | 317      | 338      | 334      |
| 17   | 338       | 323       | 317      | 335      | 343      |
| 18   | 341       | 325       | 318      | 335      | 344      |
| 19   | 344       | 327       | 315      | 335      | 333      |
| 20   | 338       | 326       | 314      | 337      | 325      |
| 21   | 335       | 325       | 315      | 337      | 323      |
| 22   | 333       | 325       | 318      | 337      | 362      |
| 23   | 338       | 329       | 326      | 325      | 400      |

Waitoki

| Hour | 29-Jun-20 | 30-Jun-20 | 1-Jul-20 | 2-Jul-20 | 3-Jul-20 |
|------|-----------|-----------|----------|----------|----------|
| 0    | 9         | 10        | 16       | 14       | 21       |
| 1    | 5         | 9         | 14       | 18       | 13       |
| 2    | 5         | 7         | 10       | 15       | 8        |
| 3    | 5         | 9         | 8        | 20       | 9        |
| 4    | 7         | 7         | 9        | 20       | 8        |
| 5    | 14        | 12        | 19       | 32       | 15       |
| 6    | 32        | 34        | 52       | 76       | 52       |
| 7    | 56        | 53        | 114      | 122      | 131      |
| 8    | 61        | 64        | 123      | 138      | 147      |
| 9    | 39        | 49        | 45       | 63       | 58       |
| 10   | 32        | 32        | 34       | 36       | 32       |
| 11   | 31        | 40        | 39       | 33       | 33       |
| 12   | 29        | 35        | 36       | 31       | 30       |
| 13   | 28        | 33        | 26       | 38       | 23       |
| 14   | 35        | 39        | 27       | 28       | 21       |
| 15   | 27        | 26        | 34       | 26       | 36       |
| 16   | 35        | 28        | 37       | 32       | 29       |
| 17   | 54        | 47        | 54       | 50       | 49       |
| 18   | 65        | 65        | 70       | 83       | 60       |
| 19   | 61        | 62        | 67       | 83       | 61       |
| 20   | 48        | 56        | 58       | 81       | 51       |
| 21   | 35        | 59        | 45       | 83       | 41       |
| 22   | 23        | 50        | 29       | 52       | 26       |
| 23   | 13        | 32        | 18       | 31       | 17       |

Glenbrook

| Hour | 29-Jun-20 | 30-Jun-20 | 1-Jul-20 | 2-Jul-20 | 3-Jul-20 |
|------|-----------|-----------|----------|----------|----------|
| 0    | 125       | 180       | 325      | 354      | 342      |
| 1    | 109       | 148       | 285      | 261      | 320      |
| 2    | 131       | 223       | 269      | 305      | 346      |
| 3    | 127       | 225       | 247      | 336      | 351      |
| 4    | 103       | 188       | 255      | 277      | 297      |
| 5    | 112       | 208       | 328      | 319      | 370      |
| 6    | 155       | 291       | 383      | 364      | 383      |
| 7    | 227       | 363       | 315      | 378      | 353      |
| 8    | 257       | 337       | 277      | 364      | 293      |
| 9    | 251       | 294       | 265      | 366      | 261      |
| 10   | 252       | 324       | 318      | 323      | 278      |
| 11   | 249       | 324       | 356      | 343      | 345      |
| 12   | 250       | 300       | 366      | 377      | 350      |
| 13   | 256       | 286       | 307      | 368      | 249      |
| 14   | 252       | 324       | 321      | 309      | 216      |
| 15   | 286       | 319       | 348      | 294      | 180      |
| 16   | 297       | 298       | 338      | 321      | 138      |
| 17   | 327       | 384       | 337      | 297      | 162      |
| 18   | 331       | 410       | 293      | 282      | 128      |
| 19   | 352       | 401       | 300      | 248      | 118      |
| 20   | 357       | 376       | 289      | 258      | 107      |
| 21   | 308       | 339       | 309      | 271      | 88       |
| 22   | 303       | 311       | 348      | 331      | 92       |
| 23   | 241       | 348       | 313      | 309      | 81       |

Westfield

| Hour | 29-Jun-20 | 30-Jun-20 | 1-Jul-20 | 2-Jul-20 | 3-Jul-20 |
|------|-----------|-----------|----------|----------|----------|
| 0    | 643       | 684       | 702      | 805      | 812      |
| 1    | 589       | 660       | 702      | 675      | 767      |
| 2    | 551       | 644       | 709      | 655      | 742      |
| 3    | 572       | 658       | 688      | 640      | 745      |
| 4    | 616       | 718       | 714      | 665      | 820      |
| 5    | 761       | 806       | 875      | 850      | 932      |
| 6    | 1,119     | 1,188     | 1,190    | 1,247    | 1,267    |
| 7    | 1,442     | 1,523     | 1,515    | 1,562    | 1,657    |
| 8    | 1,404     | 1,502     | 1,501    | 1,547    | 1,707    |
| 9    | 1,311     | 1,424     | 1,356    | 1,460    | 1,538    |
| 10   | 1,239     | 1,290     | 1,266    | 1,329    | 1,388    |
| 11   | 1,204     | 1,210     | 1,196    | 1,303    | 1,298    |
| 12   | 1,265     | 1,227     | 1,170    | 1,217    | 1,209    |
| 13   | 1,326     | 1,143     | 1,195    | 1,154    | 1,163    |
| 14   | 1,187     | 1,154     | 1,182    | 1,209    | 1,101    |
| 15   | 1,234     | 1,080     | 1,168    | 1,116    | 1,089    |
| 16   | 1,231     | 1,150     | 1,246    | 1,202    | 1,167    |
| 17   | 1,407     | 1,342     | 1,442    | 1,446    | 1,342    |
| 18   | 1,421     | 1,460     | 1,548    | 1,621    | 1,395    |
| 19   | 1,428     | 1,466     | 1,512    | 1,581    | 1,333    |
| 20   | 1,271     | 1,313     | 1,430    | 1,472    | 1,276    |
| 21   | 1,108     | 1,145     | 1,269    | 1,273    | 1,090    |
| 22   | 942       | 962       | 1,008    | 1,115    | 907      |
| 23   | 773       | 808       | 819      | 978      | 700      |

Warkworth

| Hour | 29-Jun-20 | 30-Jun-20 | 1-Jul-20 | 2-Jul-20 | 3-Jul-20 |
|------|-----------|-----------|----------|----------|----------|
| 0    | 54        | 11        | 15       | 46       | 40       |
| 1    | 66        | 20        | 37       | 44       | 41       |
| 2    | 65        | 47        | 45       | 43       | 42       |
| 3    | 72        | 53        | 52       | 78       | 59       |
| 4    | 66        | 73        | 52       | 84       | 93       |
| 5    | 62        | 69        | 77       | 82       | 88       |
| 6    | 65        | 64        | 79       | 78       | 89       |
| 7    | 63        | 56        | 54       | 62       | 64       |
| 8    | 59        | 63        | 65       | 76       | 83       |
| 9    | 60        | 64        | 56       | 70       | 68       |
| 10   | 73        | 73        | 60       | 72       | 71       |
| 11   | 75        | 74        | 60       | 73       | 76       |
| 12   | 74        | 72        | 61       | 75       | 76       |
| 13   | 72        | 67        | 59       | 75       | 76       |
| 14   | 67        | 65        | 51       | 70       | 67       |
| 15   | 56        | 59        | 64       | 59       | 66       |
| 16   | 47        | 36        | 41       | 38       | 41       |
| 17   | 45        | 21        | 50       | 27       | 31       |
| 18   | 13        | 7         | 26       | 14       | 14       |
| 19   | 12        | 10        | 25       | 14       | 12       |
| 20   | 12        | 9         | 27       | 18       | 9        |
| 21   | 12        | 10        | 27       | 17       | 6        |
| 22   | 13        | 9         | 26       | 26       | 4        |
| 23   | 11        | 17        | 37       | 35       | 7        |

Tuakau

| Hour | 29-Jun-20 | 30-Jun-20 | 1-Jul-20 | 2-Jul-20 | 3-Jul-20 |
|------|-----------|-----------|----------|----------|----------|
| 0    | 28        | 53        | 58       | 110      | 77       |
| 1    | 27        | 56        | 64       | 114      | 72       |
| 2    | 25        | 53        | 65       | 102      | 72       |
| 3    | 28        | 53        | 52       | 80       | 68       |
| 4    | 30        | 50        | 48       | 68       | 68       |
| 5    | 36        | 57        | 55       | 73       | 70       |
| 6    | 61        | 93        | 90       | 72       | 96       |
| 7    | 71        | 98        | 95       | 61       | 118      |
| 8    | 64        | 89        | 74       | 62       | 102      |
| 9    | 56        | 94        | 93       | 65       | 103      |
| 10   | 36        | 65        | 95       | 61       | 96       |
| 11   | 38        | 74        | 91       | 62       | 99       |
| 12   | 47        | 83        | 98       | 63       | 89       |
| 13   | 90        | 97        | 89       | 61       | 108      |
| 14   | 92        | 98        | 72       | 60       | 95       |
| 15   | 98        | 107       | 93       | 72       | 73       |
| 16   | 104       | 109       | 120      | 79       | 54       |
| 17   | 107       | 116       | 114      | 78       | 79       |
| 18   | 111       | 111       | 114      | 85       | 62       |
| 19   | 109       | 101       | 123      | 79       | 78       |
| 20   | 108       | 97        | 120      | 72       | 97       |
| 21   | 107       | 81        | 113      | 66       | 86       |
| 22   | 72        | 73        | 91       | 67       | 72       |
| 23   | 61        | 61        | 95       | 68       | 69       |

Papakura

| Hour | 29-Jun-20 | 30-Jun-20 | 1-Jul-20 | 2-Jul-20 | 3-Jul-20 |
|------|-----------|-----------|----------|----------|----------|
| 0    | 373       | 388       | 382      | 401      | 401      |
| 1    | 371       | 384       | 381      | 398      | 397      |
| 2    | 367       | 379       | 380      | 392      | 394      |
| 3    | 367       | 379       | 380      | 392      | 392      |
| 4    | 368       | 380       | 381      | 393      | 393      |
| 5    | 375       | 382       | 387      | 393      | 398      |
| 6    | 395       | 397       | 407      | 412      | 410      |
| 7    | 421       | 415       | 426      | 436      | 437      |
| 8    | 420       | 415       | 431      | 433      | 447      |
| 9    | 413       | 414       | 422      | 427      | 431      |
| 10   | 410       | 450       | 414      | 421      | 420      |
| 11   | 409       | 439       | 412      | 417      | 418      |
| 12   | 411       | 433       | 411      | 416      | 414      |
| 13   | 420       | 426       | 415      | 413      | 409      |
| 14   | 420       | 427       | 415      | 414      | 407      |
| 15   | 419       | 424       | 415      | 413      | 407      |
| 16   | 419       | 424       | 415      | 415      | 409      |
| 17   | 421       | 427       | 421      | 421      | 411      |
| 18   | 422       | 429       | 427      | 428      | 412      |
| 19   | 420       | 428       | 425      | 426      | 410      |
| 20   | 415       | 424       | 420      | 424      | 410      |
| 21   | 410       | 419       | 416      | 418      | 410      |
| 22   | 404       | 404       | 410      | 416      | 399      |
| 23   | 397       | 394       | 405      | 410      | 382      |



Henderson

| Hour | 29-Jun-20 | 30-Jun-20 | 1-Jul-20 | 2-Jul-20 | 3-Jul-20 |
|------|-----------|-----------|----------|----------|----------|
| 0    | 2         | 0         | 15       | 25       | 34       |
| 1    | 2         | 0         | 5        | 22       | 17       |
| 2    | 1         | 0         | 4        | 10       | 6        |
| 3    | 2         | 0         | 2        | 10       | 7        |
| 4    | 7         | 0         | 3        | 4        | 10       |
| 5    | 25        | 0         | 29       | 24       | 39       |
| 6    | 128       | 75        | 126      | 139      | 156      |
| 7    | 237       | 216       | 242      | 274      | 286      |
| 8    | 231       | 236       | 260      | 289      | 317      |
| 9    | 148       | 162       | 170      | 224      | 247      |
| 10   | 117       | 148       | 150      | 168      | 178      |
| 11   | 90        | 124       | 132      | 138      | 146      |
| 12   | 108       | 105       | 123      | 129      | 131      |
| 13   | 133       | 99        | 110      | 110      | 126      |
| 14   | 97        | 64        | 107      | 101      | 90       |
| 15   | 104       | 55        | 87       | 72       | 70       |
| 16   | 135       | 80        | 130      | 86       | 102      |
| 17   | 188       | 161       | 188      | 185      | 179      |
| 18   | 227       | 229       | 266      | 248      | 234      |
| 19   | 227       | 264       | 268      | 258      | 240      |
| 20   | 208       | 230       | 266      | 241      | 217      |
| 21   | 150       | 185       | 223      | 184      | 157      |
| 22   | 66        | 76        | 139      | 145      | 86       |
| 23   | 15        | 28        | 56       | 68       | 15       |

Whangarei

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

Maungaturoto

| Hour | 29-Jun-20 | 30-Jun-20 | 1-Jul-20 | 2-Jul-20 | 3-Jul-20 |
|------|-----------|-----------|----------|----------|----------|
| 0    | 28        | 53        | 63       | 41       | 19       |
| 1    | 38        | 56        | 63       | 43       | 17       |
| 2    | 40        | 41        | 66       | 32       | 15       |
| 3    | 34        | 43        | 63       | 31       | 15       |
| 4    | 29        | 41        | 64       | 33       | 16       |
| 5    | 33        | 40        | 64       | 36       | 17       |
| 6    | 37        | 39        | 61       | 37       | 18       |
| 7    | 50        | 39        | 45       | 32       | 16       |
| 8    | 58        | 41        | 30       | 37       | 15       |
| 9    | 66        | 40        | 33       | 57       | 16       |
| 10   | 63        | 44        | 55       | 63       | 15       |
| 11   | 64        | 43        | 48       | 66       | 12       |
| 12   | 63        | 48        | 44       | 67       | 4        |
| 13   | 62        | 44        | 29       | 65       | 4        |
| 14   | 65        | 50        | 41       | 65       | 7        |
| 15   | 68        | 64        | 43       | 62       | 5        |
| 16   | 61        | 57        | 39       | 68       | 5        |
| 17   | 53        | 56        | 39       | 61       | 12       |
| 18   | 53        | 55        | 40       | 64       | 26       |
| 19   | 53        | 57        | 39       | 57       | 17       |
| 20   | 59        | 65        | 41       | 39       | 6        |
| 21   | 61        | 66        | 43       | 23       | 8        |
| 22   | 57        | 67        | 41       | 17       | 11       |
| 23   | 53        | 66        | 40       | 9        | 12       |

Waikumete

| Hour | 29-Jun-20 | 30-Jun-20 | 1-Jul-20 | 2-Jul-20 | 3-Jul-20 |
|------|-----------|-----------|----------|----------|----------|
| 0    | 151       | 155       | 159      | 172      | 168      |
| 1    | 150       | 145       | 156      | 164      | 160      |
| 2    | 148       | 140       | 156      | 156      | 155      |
| 3    | 149       | 132       | 155      | 157      | 158      |
| 4    | 153       | 142       | 160      | 161      | 164      |
| 5    | 175       | 160       | 183      | 187      | 193      |
| 6    | 244       | 238       | 254      | 263      | 268      |
| 7    | 312       | 304       | 326      | 335      | 346      |
| 8    | 307       | 309       | 324      | 341      | 355      |
| 9    | 277       | 283       | 294      | 309      | 322      |
| 10   | 260       | 271       | 276      | 281      | 294      |
| 11   | 258       | 257       | 265      | 265      | 273      |
| 12   | 263       | 248       | 260      | 262      | 263      |
| 13   | 276       | 246       | 261      | 254      | 254      |
| 14   | 254       | 232       | 261      | 246      | 243      |
| 15   | 251       | 232       | 255      | 241      | 238      |
| 16   | 256       | 243       | 266      | 247      | 251      |
| 17   | 289       | 285       | 304      | 297      | 290      |
| 18   | 304       | 312       | 335      | 323      | 313      |
| 19   | 294       | 306       | 328      | 321      | 300      |
| 20   | 278       | 285       | 312      | 302      | 278      |
| 21   | 247       | 253       | 277      | 268      | 248      |
| 22   | 201       | 205       | 227      | 226      | 207      |
| 23   | 169       | 174       | 188      | 186      | 172      |

## 2.2 Central North System

### Hamilton Temple View

| Hour | 07-Sep-20 | 8-Sep-20 | 9-Sep-20 | 10-Sep-20 | 11-Sep-20 |
|------|-----------|----------|----------|-----------|-----------|
| 0    | 73        | 107      | 98       | 97        | 81        |
| 1    | 71        | 104      | 92       | 80        | 77        |
| 2    | 63        | 91       | 91       | 77        | 80        |
| 3    | 76        | 95       | 102      | 87        | 89        |
| 4    | 86        | 115      | 119      | 93        | 118       |
| 5    | 129       | 167      | 171      | 146       | 164       |
| 6    | 205       | 262      | 255      | 212       | 244       |
| 7    | 264       | 351      | 342      | 283       | 330       |
| 8    | 247       | 295      | 303      | 264       | 276       |
| 9    | 231       | 238      | 227      | 231       | 238       |
| 10   | 210       | 205      | 199      | 202       | 223       |
| 11   | 128       | 185      | 196      | 190       | 206       |
| 12   | 115       | 175      | 204      | 188       | 179       |
| 13   | 169       | 159      | 167      | 181       | 167       |
| 14   | 144       | 150      | 145      | 166       | 169       |
| 15   | 147       | 152      | 163      | 165       | 164       |
| 16   | 154       | 155      | 191      | 196       | 178       |
| 17   | 210       | 207      | 256      | 240       | 227       |
| 18   | 253       | 254      | 281      | 275       | 253       |
| 19   | 266       | 260      | 275      | 269       | 249       |
| 20   | 241       | 235      | 245      | 241       | 220       |
| 21   | 206       | 198      | 200      | 198       | 182       |
| 22   | 160       | 150      | 151      | 130       | 145       |
| 23   | 127       | 112      | 111      | 96        | 114       |

Tatuanui DF

| Hour | 07-Sep-20 | 8-Sep-20 | 9-Sep-20 | 10-Sep-20 | 11-Sep-20 |
|------|-----------|----------|----------|-----------|-----------|
| 0    | 56        | 65       | 45       | 51        | 51        |
| 1    | 61        | 63       | 50       | 56        | 51        |
| 2    | 59        | 57       | 50       | 51        | 50        |
| 3    | 59        | 59       | 50       | 57        | 50        |
| 4    | 54        | 60       | 57       | 64        | 50        |
| 5    | 48        | 56       | 56       | 66        | 50        |
| 6    | 37        | 59       | 49       | 69        | 49        |
| 7    | 39        | 48       | 49       | 68        | 49        |
| 8    | 45        | 41       | 48       | 65        | 60        |
| 9    | 59        | 36       | 50       | 67        | 60        |
| 10   | 67        | 40       | 52       | 67        | 52        |
| 11   | 71        | 43       | 60       | 62        | 49        |
| 12   | 51        | 46       | 60       | 61        | 54        |
| 13   | 53        | 56       | 58       | 61        | 51        |
| 14   | 53        | 57       | 63       | 53        | 59        |
| 15   | 63        | 53       | 53       | 46        | 63        |
| 16   | 59        | 53       | 49       | 35        | 61        |
| 17   | 57        | 38       | 52       | 27        | 66        |
| 18   | 57        | 51       | 57       | 27        | 50        |
| 19   | 62        | 47       | 62       | 47        | 42        |
| 20   | 63        | 48       | 63       | 51        | 56        |
| 21   | 60        | 48       | 58       | 49        | 49        |
| 22   | 62        | 51       | 56       | 46        | 48        |
| 23   | 61        | 44       | 49       | 50        | 55        |

Waitoa

| Hour | 07-Sep-20 | 8-Sep-20 | 9-Sep-20 | 10-Sep-20 | 11-Sep-20 |
|------|-----------|----------|----------|-----------|-----------|
| 0    | 20        | 53       | 40       | 50        | 55        |
| 1    | 18        | 51       | 42       | 44        | 50        |
| 2    | 19        | 52       | 44       | 46        | 48        |
| 3    | 18        | 53       | 44       | 45        | 48        |
| 4    | 19        | 53       | 48       | 46        | 52        |
| 5    | 18        | 54       | 44       | 48        | 50        |
| 6    | 36        | 57       | 46       | 48        | 45        |
| 7    | 31        | 54       | 46       | 49        | 40        |
| 8    | 27        | 53       | 44       | 50        | 39        |
| 9    | 28        | 51       | 39       | 51        | 35        |
| 10   | 37        | 49       | 42       | 50        | 38        |
| 11   | 33        | 48       | 41       | 48        | 46        |
| 12   | 38        | 50       | 46       | 46        | 45        |
| 13   | 46        | 52       | 50       | 48        | 47        |
| 14   | 46        | 49       | 52       | 50        | 48        |
| 15   | 47        | 52       | 55       | 53        | 47        |
| 16   | 48        | 52       | 57       | 51        | 49        |
| 17   | 52        | 55       | 60       | 55        | 55        |
| 18   | 54        | 56       | 55       | 53        | 51        |
| 19   | 49        | 57       | 52       | 54        | 54        |
| 20   | 52        | 55       | 49       | 51        | 51        |
| 21   | 54        | 56       | 51       | 53        | 48        |
| 22   | 58        | 55       | 51       | 55        | 51        |
| 23   | 53        | 47       | 49       | 51        | 54        |

Cambridge

| Hour | 19/08/2019 | 20/08/2019 | 21/08/2019 | 22/08/2019 | 23/08/2019 |
|------|------------|------------|------------|------------|------------|
| 0    | 59         | 83         | 70         | 47         | 65         |
| 1    | 59         | 76         | 64         | 57         | 65         |
| 2    | 54         | 80         | 65         | 59         | 63         |
| 3    | 39         | 82         | 70         | 63         | 60         |
| 4    | 29         | 79         | 64         | 63         | 60         |
| 5    | 52         | 79         | 69         | 60         | 58         |
| 6    | 76         | 90         | 75         | 69         | 61         |
| 7    | 88         | 91         | 86         | 70         | 73         |
| 8    | 80         | 76         | 79         | 69         | 64         |
| 9    | 79         | 74         | 74         | 63         | 68         |
| 10   | 72         | 63         | 82         | 69         | 77         |
| 11   | 81         | 61         | 79         | 45         | 70         |
| 12   | 81         | 47         | 82         | 40         | 69         |
| 13   | 79         | 47         | 79         | 59         | 64         |
| 14   | 74         | 63         | 73         | 66         | 64         |
| 15   | 73         | 69         | 65         | 66         | 67         |
| 16   | 93         | 75         | 70         | 73         | 72         |
| 17   | 111        | 85         | 79         | 77         | 82         |
| 18   | 119        | 87         | 82         | 82         | 85         |
| 19   | 116        | 89         | 76         | 81         | 76         |
| 20   | 107        | 67         | 64         | 76         | 72         |
| 21   | 102        | 56         | 71         | 73         | 70         |
| 22   | 103        | 74         | 58         | 66         | 73         |
| 23   | 84         | 69         | 50         | 59         | 77         |



Kiwitahi (Degussa)

| Hour | 07-Sep-20 | 8-Sep-20 | 9-Sep-20 | 10-Sep-20 | 11-Sep-20 |
|------|-----------|----------|----------|-----------|-----------|
| 0    | 33        | 35       | 34       | 34        | 39        |
| 1    | 32        | 34       | 35       | 36        | 38        |
| 2    | 35        | 33       | 35       | 36        | 37        |
| 3    | 34        | 33       | 37       | 35        | 36        |
| 4    | 35        | 33       | 37       | 36        | 38        |
| 5    | 35        | 34       | 35       | 35        | 38        |
| 6    | 34        | 33       | 35       | 36        | 38        |
| 7    | 35        | 35       | 37       | 35        | 38        |
| 8    | 34        | 34       | 37       | 34        | 37        |
| 9    | 33        | 36       | 35       | 35        | 38        |
| 10   | 33        | 36       | 35       | 37        | 37        |
| 11   | 34        | 34       | 34       | 37        | 35        |
| 12   | 32        | 34       | 35       | 37        | 35        |
| 13   | 34        | 33       | 36       | 38        | 37        |
| 14   | 34        | 34       | 36       | 37        | 37        |
| 15   | 34        | 35       | 36       | 38        | 37        |
| 16   | 37        | 36       | 38       | 37        | 39        |
| 17   | 34        | 36       | 38       | 38        | 39        |
| 18   | 34        | 36       | 36       | 38        | 40        |
| 19   | 34        | 35       | 38       | 39        | 38        |
| 20   | 35        | 34       | 37       | 40        | 37        |
| 21   | 35        | 34       | 37       | 38        | 38        |
| 22   | 35        | 35       | 36       | 40        | 39        |
| 23   | 35        | 36       | 34       | 39        | 38        |

Hamilton Te Kowhai

| Hour | 07-Sep-20 | 8-Sep-20 | 9-Sep-20 | 10-Sep-20 | 11-Sep-20 |
|------|-----------|----------|----------|-----------|-----------|
| 0    | 42        | 61       | 55       | 49        | 48        |
| 1    | 40        | 60       | 52       | 46        | 43        |
| 2    | 37        | 57       | 51       | 43        | 43        |
| 3    | 38        | 56       | 51       | 45        | 44        |
| 4    | 43        | 61       | 55       | 46        | 48        |
| 5    | 58        | 77       | 71       | 58        | 61        |
| 6    | 92        | 124      | 119      | 94        | 104       |
| 7    | 129       | 184      | 179      | 144       | 162       |
| 8    | 122       | 161      | 170      | 136       | 143       |
| 9    | 109       | 126      | 125      | 118       | 121       |
| 10   | 106       | 114      | 111      | 106       | 109       |
| 11   | 150       | 102      | 102      | 100       | 100       |
| 12   | 156       | 93       | 100      | 88        | 92        |
| 13   | 106       | 88       | 86       | 87        | 78        |
| 14   | 78        | 84       | 76       | 80        | 78        |
| 15   | 75        | 82       | 78       | 77        | 81        |
| 16   | 79        | 80       | 90       | 91        | 88        |
| 17   | 92        | 93       | 117      | 106       | 98        |
| 18   | 119       | 123      | 141      | 131       | 115       |
| 19   | 133       | 129      | 137      | 134       | 118       |
| 20   | 121       | 117      | 121      | 116       | 107       |
| 21   | 104       | 100      | 97       | 95        | 94        |
| 22   | 83        | 78       | 77       | 68        | 75        |
| 23   | 69        | 60       | 57       | 56        | 59        |

Te Rapa Cogen

| Hour | 07-Sep-20 | 8-Sep-20 | 9-Sep-20 | 10-Sep-20 | 11-Sep-20 |
|------|-----------|----------|----------|-----------|-----------|
| 0    | 584       | 612      | 616      | 596       | 640       |
| 1    | 600       | 628      | 616      | 600       | 640       |
| 2    | 612       | 616      | 632      | 596       | 608       |
| 3    | 596       | 608      | 640      | 608       | 604       |
| 4    | 596       | 668      | 640      | 608       | 612       |
| 5    | 596       | 664      | 640      | 624       | 628       |
| 6    | 600       | 668      | 644      | 628       | 672       |
| 7    | 592       | 684      | 640      | 628       | 644       |
| 8    | 620       | 672      | 628      | 616       | 612       |
| 9    | 604       | 636      | 612      | 624       | 588       |
| 10   | 552       | 592      | 596      | 612       | 572       |
| 11   | 536       | 588      | 600      | 620       | 556       |
| 12   | 536       | 592      | 584      | 632       | 556       |
| 13   | 544       | 588      | 588      | 632       | 580       |
| 14   | 544       | 600      | 592      | 632       | 596       |
| 15   | 544       | 600      | 592      | 632       | 604       |
| 16   | 568       | 600      | 596      | 620       | 596       |
| 17   | 604       | 600      | 588      | 644       | 620       |
| 18   | 624       | 600      | 604      | 652       | 612       |
| 19   | 616       | 608      | 624      | 644       | 636       |
| 20   | 620       | 624      | 608      | 664       | 640       |
| 21   | 652       | 636      | 600      | 644       | 632       |
| 22   | 668       | 640      | 604      | 596       | 616       |
| 23   | 624       | 636      | 596      | 592       | 616       |

Horotiu

| Hour | 07-Sep-20 | 8-Sep-20 | 9-Sep-20 | 10-Sep-20 | 11-Sep-20 |
|------|-----------|----------|----------|-----------|-----------|
| 0    | 46        | 46       | 51       | 46        | 46        |
| 1    | 45        | 45       | 46       | 45        | 45        |
| 2    | 46        | 46       | 46       | 45        | 45        |
| 3    | 45        | 47       | 47       | 45        | 46        |
| 4    | 44        | 47       | 47       | 46        | 46        |
| 5    | 45        | 49       | 48       | 47        | 48        |
| 6    | 46        | 52       | 51       | 50        | 51        |
| 7    | 46        | 51       | 48       | 47        | 47        |
| 8    | 49        | 49       | 52       | 49        | 48        |
| 9    | 47        | 63       | 49       | 47        | 49        |
| 10   | 46        | 51       | 54       | 48        | 54        |
| 11   | 48        | 56       | 53       | 55        | 51        |
| 12   | 49        | 52       | 48       | 33        | 48        |
| 13   | 57        | 53       | 49       | 22        | 51        |
| 14   | 51        | 49       | 24       | 16        | 50        |
| 15   | 51        | 25       | 27       | 26        | 33        |
| 16   | 42        | 35       | 39       | 41        | 22        |
| 17   | 14        | 40       | 49       | 49        | 29        |
| 18   | 22        | 51       | 50       | 52        | 49        |
| 19   | 40        | 53       | 45       | 48        | 52        |
| 20   | 47        | 48       | 46       | 37        | 49        |
| 21   | 46        | 52       | 49       | 43        | 48        |
| 22   | 51        | 49       | 46       | 47        | 47        |
| 23   | 49        | 48       | 48       | 48        | 46        |

## 2.3 Central South System

### Eltham

| Hour | 27-Jan-20 | 28-Jan-20 | 29-Jan-20 | 30-Jan-20 | 31-Jan-20 |
|------|-----------|-----------|-----------|-----------|-----------|
| 0    | 6         | 16        | 17        | 17        | 17        |
| 1    | 8         | 16        | 18        | 17        | 16        |
| 2    | 7         | 17        | 18        | 16        | 16        |
| 3    | 13        | 20        | 22        | 21        | 20        |
| 4    | 19        | 21        | 21        | 23        | 18        |
| 5    | 26        | 26        | 30        | 26        | 23        |
| 6    | 27        | 27        | 30        | 26        | 22        |
| 7    | 24        | 24        | 25        | 24        | 16        |
| 8    | 25        | 26        | 26        | 23        | 11        |
| 9    | 23        | 23        | 23        | 25        | 12        |
| 10   | 25        | 24        | 25        | 25        | 11        |
| 11   | 22        | 22        | 24        | 23        | 10        |
| 12   | 23        | 25        | 25        | 23        | 10        |
| 13   | 21        | 22        | 25        | 23        | 12        |
| 14   | 18        | 17        | 18        | 18        | 9         |
| 15   | 18        | 18        | 18        | 19        | 11        |
| 16   | 18        | 19        | 18        | 19        | 5         |
| 17   | 18        | 18        | 19        | 18        | 6         |
| 18   | 16        | 17        | 18        | 18        | 6         |
| 19   | 18        | 17        | 19        | 18        | 6         |
| 20   | 17        | 18        | 18        | 17        | 7         |
| 21   | 900       | 956       | 984       | 984       | 0         |
| 22   | 888       | 956       | 980       | 980       | 0         |
| 23   | 884       | 952       | 976       | 976       | 0         |

New Plymouth

| Hour | 27-Jan-20 | 28-Jan-20 | 29-Jan-20 | 30-Jan-20 | 31-Jan-20 |
|------|-----------|-----------|-----------|-----------|-----------|
| 0    | 42        | 46        | 48        | 44        | 46        |
| 1    | 42        | 46        | 47        | 39        | 46        |
| 2    | 37        | 47        | 53        | 40        | 43        |
| 3    | 42        | 52        | 48        | 36        | 45        |
| 4    | 57        | 58        | 62        | 58        | 56        |
| 5    | 63        | 63        | 74        | 69        | 69        |
| 6    | 91        | 92        | 93        | 83        | 99        |
| 7    | 86        | 86        | 88        | 93        | 109       |
| 8    | 84        | 80        | 84        | 81        | 90        |
| 9    | 73        | 79        | 82        | 76        | 87        |
| 10   | 83        | 69        | 79        | 82        | 85        |
| 11   | 65        | 76        | 75        | 70        | 70        |
| 12   | 75        | 89        | 93        | 76        | 70        |
| 13   | 69        | 80        | 87        | 78        | 65        |
| 14   | 71        | 72        | 82        | 68        | 62        |
| 15   | 78        | 77        | 76        | 66        | 65        |
| 16   | 74        | 80        | 76        | 77        | 70        |
| 17   | 77        | 91        | 88        | 83        | 80        |
| 18   | 86        | 87        | 82        | 84        | 69        |
| 19   | 73        | 82        | 77        | 79        | 68        |
| 20   | 73        | 79        | 73        | 69        | 59        |
| 21   | 64        | 65        | 61        | 60        | 53        |
| 22   | 55        | 54        | 49        | 55        | 43        |
| 23   | 49        | 56        | 47        | 45        | 40        |

Pokuru Offtake

| Hour | 27-Jan-20 | 28-Jan-20 | 29-Jan-20 | 30-Jan-20 | 31-Jan-20 |
|------|-----------|-----------|-----------|-----------|-----------|
| 0    | 568       | 872       | 932       | 972       | 992       |
| 1    | 696       | 888       | 920       | 964       | 996       |
| 2    | 852       | 920       | 916       | 960       | 988       |
| 3    | 912       | 924       | 912       | 960       | 1,004     |
| 4    | 1091      | 932       | 908       | 956       | 1,008     |
| 5    | 999       | 920       | 908       | 956       | 1,016     |
| 6    | 1,112     | 896       | 916       | 952       | 1,032     |
| 7    | 1,052     | 904       | 916       | 964       | 1,036     |
| 8    | 1,031     | 932       | 924       | 960       | 1,020     |
| 9    | 1,014     | 932       | 928       | 956       | 1,024     |
| 10   | 1,011     | 920       | 940       | 960       | 1,036     |
| 11   | 1,052     | 912       | 972       | 976       | 1,052     |
| 12   | 1,040     | 912       | 988       | 984       | 48        |
| 13   | 971       | 916       | 992       | 1,000     | 0         |
| 14   | 961       | 924       | 996       | 1,000     | 0         |
| 15   | 954       | 932       | 1,004     | 988       | 0         |
| 16   | 960       | 932       | 1,004     | 964       | 0         |
| 17   | 912       | 940       | 1,000     | 964       | 0         |
| 18   | 916       | 948       | 1,000     | 976       | 0         |
| 19   | 904       | 952       | 1,000     | 980       | 0         |
| 20   | 904       | 948       | 992       | 980       | 0         |
| 21   | 900       | 956       | 984       | 984       | 0         |
| 22   | 888       | 956       | 980       | 980       | 0         |
| 23   | 884       | 952       | 976       | 976       | 0         |

**2.4 Bay of Plenty System**Lichfield DF

| Hour | 21-Oct-19 | 22-Oct-19 | 23-Oct-19 | 24-Oct-19 | 25-Oct-19 |
|------|-----------|-----------|-----------|-----------|-----------|
| 0    | 88        | 79        | 65        | 93        | 83        |
| 1    | 96        | 78        | 72        | 80        | 87        |
| 2    | 94        | 86        | 66        | 79        | 84        |
| 3    | 84        | 101       | 67        | 76        | 83        |
| 4    | 95        | 94        | 66        | 82        | 95        |
| 5    | 95        | 91        | 68        | 90        | 80        |
| 6    | 74        | 85        | 51        | 81        | 65        |
| 7    | 82        | 82        | 44        | 84        | 61        |
| 8    | 82        | 81        | 57        | 91        | 59        |
| 9    | 92        | 78        | 75        | 94        | 67        |
| 10   | 98        | 87        | 66        | 94        | 72        |
| 11   | 76        | 80        | 61        | 89        | 71        |
| 12   | 69        | 72        | 58        | 75        | 66        |
| 13   | 71        | 76        | 60        | 82        | 71        |
| 14   | 74        | 88        | 76        | 74        | 63        |
| 15   | 93        | 85        | 63        | 74        | 57        |
| 16   | 89        | 80        | 59        | 73        | 57        |
| 17   | 77        | 80        | 68        | 81        | 67        |
| 18   | 72        | 66        | 60        | 82        | 74        |
| 19   | 74        | 81        | 82        | 84        | 68        |
| 20   | 93        | 85        | 75        | 97        | 82        |
| 21   | 88        | 68        | 88        | 89        | 93        |
| 22   | 90        | 68        | 85        | 89        | 90        |
| 23   | 92        | 64        | 92        | 92        | 79        |



Lichfield 2

| Hour | 21-Oct-19 | 22-Oct-19 | 23-Oct-19 | 24-Oct-19 | 25-Oct-19 |
|------|-----------|-----------|-----------|-----------|-----------|
| 0    | 159       | 157       | 165       | 169       | 165       |
| 1    | 159       | 163       | 169       | 162       | 167       |
| 2    | 159       | 164       | 168       | 168       | 161       |
| 3    | 167       | 158       | 163       | 173       | 164       |
| 4    | 167       | 162       | 166       | 165       | 166       |
| 5    | 165       | 166       | 167       | 163       | 160       |
| 6    | 158       | 166       | 167       | 165       | 169       |
| 7    | 159       | 161       | 164       | 162       | 172       |
| 8    | 164       | 157       | 160       | 158       | 165       |
| 9    | 163       | 157       | 163       | 159       | 161       |
| 10   | 162       | 162       | 164       | 165       | 159       |
| 11   | 161       | 156       | 157       | 165       | 159       |
| 12   | 158       | 155       | 160       | 158       | 166       |
| 13   | 165       | 156       | 156       | 165       | 157       |
| 14   | 161       | 165       | 153       | 162       | 161       |
| 15   | 157       | 157       | 163       | 159       | 168       |
| 16   | 159       | 161       | 160       | 155       | 168       |
| 17   | 157       | 162       | 150       | 165       | 167       |
| 18   | 161       | 162       | 150       | 161       | 166       |
| 19   | 163       | 164       | 157       | 164       | 161       |
| 20   | 159       | 163       | 168       | 162       | 160       |
| 21   | 163       | 157       | 162       | 162       | 158       |
| 22   | 162       | 160       | 166       | 151       | 167       |
| 23   | 167       | 158       | 169       | 147       | 167       |

Edgecumbe DF

| Hour | 21-Oct-19 | 22-Oct-19 | 23-Oct-19 | 24-Oct-19 | 25-Oct-19 |
|------|-----------|-----------|-----------|-----------|-----------|
| 0    | 185       | 190       | 186       | 193       | 196       |
| 1    | 187       | 190       | 181       | 186       | 201       |
| 2    | 195       | 174       | 177       | 190       | 201       |
| 3    | 191       | 167       | 174       | 191       | 202       |
| 4    | 188       | 149       | 177       | 191       | 199       |
| 5    | 186       | 145       | 169       | 192       | 195       |
| 6    | 186       | 141       | 170       | 187       | 201       |
| 7    | 185       | 140       | 162       | 184       | 190       |
| 8    | 178       | 140       | 165       | 178       | 176       |
| 9    | 176       | 123       | 164       | 189       | 167       |
| 10   | 175       | 112       | 172       | 190       | 148       |
| 11   | 162       | 111       | 177       | 185       | 156       |
| 12   | 168       | 116       | 179       | 175       | 189       |
| 13   | 171       | 121       | 182       | 197       | 201       |
| 14   | 174       | 150       | 181       | 198       | 200       |
| 15   | 182       | 153       | 184       | 196       | 199       |
| 16   | 182       | 150       | 184       | 196       | 195       |
| 17   | 183       | 149       | 186       | 197       | 187       |
| 18   | 178       | 146       | 182       | 195       | 189       |
| 19   | 176       | 154       | 177       | 194       | 190       |
| 20   | 188       | 167       | 185       | 203       | 189       |
| 21   | 196       | 184       | 178       | 200       | 195       |
| 22   | 201       | 182       | 181       | 205       | 196       |
| 23   | 198       | 185       | 181       | 202       | 197       |

Reporoa

| Hour | 21-Oct-19 | 22-Oct-19 | 23-Oct-19 | 24-Oct-19 | 25-Oct-19 |
|------|-----------|-----------|-----------|-----------|-----------|
| 0    | 84        | 87        | 88        | 84        | 85        |
| 1    | 86        | 90        | 86        | 86        | 88        |
| 2    | 86        | 89        | 91        | 90        | 89        |
| 3    | 87        | 89        | 90        | 91        | 87        |
| 4    | 87        | 90        | 88        | 88        | 87        |
| 5    | 89        | 88        | 76        | 90        | 88        |
| 6    | 87        | 89        | 62        | 91        | 89        |
| 7    | 84        | 88        | 62        | 86        | 87        |
| 8    | 82        | 87        | 54        | 84        | 75        |
| 9    | 78        | 61        | 33        | 84        | 75        |
| 10   | 76        | 58        | 23        | 88        | 74        |
| 11   | 76        | 81        | 8         | 83        | 71        |
| 12   | 78        | 83        | 9         | 84        | 74        |
| 13   | 81        | 84        | 8         | 85        | 79        |
| 14   | 78        | 89        | 11        | 90        | 81        |
| 15   | 83        | 89        | 18        | 89        | 84        |
| 16   | 82        | 89        | 22        | 86        | 82        |
| 17   | 83        | 86        | 44        | 88        | 85        |
| 18   | 81        | 88        | 53        | 87        | 83        |
| 19   | 84        | 87        | 74        | 84        | 85        |
| 20   | 83        | 87        | 76        | 83        | 86        |
| 21   | 85        | 85        | 74        | 83        | 85        |
| 22   | 87        | 89        | 80        | 86        | 82        |
| 23   | 84        | 87        | 84        | 82        | 83        |

Whakatane

| Hour | 21-Oct-19 | 22-Oct-19 | 23-Oct-19 | 24-Oct-19 | 25-Oct-19 |
|------|-----------|-----------|-----------|-----------|-----------|
| 0    | 136       | 141       | 142       | 148       | 145       |
| 1    | 137       | 140       | 144       | 147       | 147       |
| 2    | 137       | 139       | 144       | 150       | 148       |
| 3    | 136       | 140       | 142       | 150       | 146       |
| 4    | 138       | 141       | 143       | 150       | 145       |
| 5    | 143       | 144       | 145       | 155       | 151       |
| 6    | 143       | 148       | 149       | 157       | 152       |
| 7    | 142       | 148       | 148       | 151       | 147       |
| 8    | 142       | 148       | 150       | 151       | 147       |
| 9    | 143       | 149       | 151       | 151       | 149       |
| 10   | 144       | 150       | 151       | 151       | 148       |
| 11   | 145       | 148       | 150       | 150       | 146       |
| 12   | 144       | 149       | 149       | 151       | 143       |
| 13   | 145       | 145       | 150       | 75        | 51        |
| 14   | 143       | 145       | 148       | 48        | 59        |
| 15   | 142       | 146       | 150       | 133       | 143       |
| 16   | 139       | 144       | 145       | 47        | 139       |
| 17   | 141       | 142       | 148       | 45        | 138       |
| 18   | 143       | 143       | 148       | 48        | 134       |
| 19   | 143       | 141       | 144       | 43        | 133       |
| 20   | 142       | 141       | 147       | 46        | 127       |
| 21   | 143       | 143       | 146       | 69        | 128       |
| 22   | 140       | 141       | 145       | 152       | 127       |
| 23   | 143       | 138       | 147       | 140       | 129       |

Tirau DF

| Hour | 21-Oct-19 | 22-Oct-19 | 23-Oct-19 | 24-Oct-19 | 25-Oct-19 |
|------|-----------|-----------|-----------|-----------|-----------|
| 0    | 22        | 14        | 5         | 36        | 79        |
| 1    | 19        | 11        | 5         | 20        | 78        |
| 2    | 13        | 6         | 4         | 17        | 73        |
| 3    | 28        | 5         | 9         | 14        | 74        |
| 4    | 32        | 14        | 31        | 19        | 72        |
| 5    | 45        | 49        | 58        | 18        | 70        |
| 6    | 48        | 59        | 66        | 23        | 69        |
| 7    | 53        | 57        | 67        | 23        | 55        |
| 8    | 54        | 62        | 72        | 23        | 53        |
| 9    | 55        | 61        | 75        | 31        | 53        |
| 10   | 50        | 60        | 77        | 32        | 60        |
| 11   | 48        | 62        | 75        | 43        | 70        |
| 12   | 46        | 62        | 63        | 38        | 67        |
| 13   | 49        | 65        | 62        | 50        | 67        |
| 14   | 42        | 55        | 54        | 53        | 72        |
| 15   | 39        | 52        | 44        | 63        | 72        |
| 16   | 29        | 51        | 41        | 60        | 72        |
| 17   | 22        | 45        | 34        | 61        | 68        |
| 18   | 18        | 41        | 34        | 58        | 72        |
| 19   | 25        | 34        | 33        | 53        | 66        |
| 20   | 19        | 32        | 34        | 56        | 66        |
| 21   | 15        | 17        | 33        | 55        | 69        |
| 22   | 12        | 6         | 35        | 61        | 71        |
| 23   | 16        | 6         | 36        | 61        | 68        |

Pyes Pa

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

Kinleith (CHH Mill)

| Hour | 21-Oct-19 | 22-Oct-19 | 23-Oct-19 | 24-Oct-19 | 25-Oct-19 |
|------|-----------|-----------|-----------|-----------|-----------|
| 0    | 524       | 376       | 316       | 284       | 551       |
| 1    | 364       | 363       | 363       | 231       | 504       |
| 2    | 367       | 386       | 375       | 306       | 514       |
| 3    | 621       | 361       | 374       | 198       | 516       |
| 4    | 603       | 269       | 402       | 188       | 519       |
| 5    | 605       | 193       | 376       | 172       | 533       |
| 6    | 545       | 256       | 380       | 192       | 529       |
| 7    | 757       | 299       | 381       | 453       | 540       |
| 8    | 773       | 278       | 310       | 625       | 491       |
| 9    | 662       | 249       | 298       | 516       | 475       |
| 10   | 785       | 291       | 260       | 515       | 459       |
| 11   | 927       | 210       | 238       | 408       | 564       |
| 12   | 833       | 333       | 270       | 541       | 501       |
| 13   | 842       | 238       | 259       | 616       | 459       |
| 14   | 872       | 249       | 281       | 494       | 521       |
| 15   | 888       | 238       | 275       | 653       | 592       |
| 16   | 878       | 173       | 260       | 650       | 571       |
| 17   | 956       | 213       | 303       | 645       | 535       |
| 18   | 914       | 229       | 314       | 646       | 449       |
| 19   | 824       | 244       | 304       | 621       | 354       |
| 20   | 845       | 308       | 313       | 698       | 514       |
| 21   | 782       | 314       | 324       | 695       | 596       |
| 22   | 755       | 272       | 297       | 596       | 591       |
| 23   | 398       | 347       | 303       | 529       | 714       |

Kawerau (Caxton)

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



Kawerau (Tasman)

| Hour | 21-Oct-19 | 22-Oct-19 | 23-Oct-19 | 24-Oct-19 | 25-Oct-19 |
|------|-----------|-----------|-----------|-----------|-----------|
| 0    | 29        | 63        | 65        | 70        | 65        |
| 1    | 28        | 60        | 65        | 69        | 66        |
| 2    | 29        | 59        | 64        | 68        | 66        |
| 3    | 30        | 56        | 65        | 69        | 67        |
| 4    | 32        | 53        | 63        | 70        | 68        |
| 5    | 36        | 53        | 64        | 68        | 68        |
| 6    | 38        | 55        | 65        | 67        | 67        |
| 7    | 39        | 56        | 65        | 64        | 65        |
| 8    | 41        | 59        | 64        | 63        | 65        |
| 9    | 42        | 60        | 62        | 57        | 65        |
| 10   | 44        | 61        | 61        | 57        | 67        |
| 11   | 46        | 61        | 59        | 57        | 67        |
| 12   | 48        | 61        | 61        | 57        | 67        |
| 13   | 47        | 63        | 60        | 56        | 68        |
| 14   | 37        | 64        | 61        | 55        | 67        |
| 15   | 53        | 64        | 60        | 59        | 68        |
| 16   | 56        | 64        | 60        | 63        | 67        |
| 17   | 56        | 65        | 60        | 65        | 64        |
| 18   | 60        | 65        | 60        | 66        | 67        |
| 19   | 63        | 65        | 60        | 66        | 70        |
| 20   | 66        | 65        | 61        | 66        | 72        |
| 21   | 65        | 65        | 67        | 63        | 72        |
| 22   | 64        | 65        | 69        | 61        | 72        |
| 23   | 63        | 65        | 70        | 55        | 70        |

Tauranga

| Hour | 21-Oct-19 | 22-Oct-19 | 23-Oct-19 | 24-Oct-19 | 25-Oct-19 |
|------|-----------|-----------|-----------|-----------|-----------|
| 0    | 1         | 1         | 3         | 3         | 3         |
| 1    | 1         | 1         | 3         | 3         | 3         |
| 2    | 1         | 0         | 3         | 3         | 3         |
| 3    | 2         | 2         | 3         | 4         | 4         |
| 4    | 6         | 8         | 9         | 12        | 10        |
| 5    | 21        | 26        | 29        | 29        | 29        |
| 6    | 33        | 35        | 42        | 41        | 41        |
| 7    | 29        | 36        | 42        | 39        | 40        |
| 8    | 24        | 30        | 38        | 35        | 33        |
| 9    | 24        | 28        | 37        | 33        | 35        |
| 10   | 26        | 30        | 37        | 35        | 33        |
| 11   | 24        | 27        | 31        | 33        | 32        |
| 12   | 23        | 24        | 32        | 34        | 28        |
| 13   | 21        | 21        | 24        | 33        | 24        |
| 14   | 18        | 16        | 20        | 24        | 21        |
| 15   | 18        | 18        | 22        | 23        | 20        |
| 16   | 20        | 20        | 22        | 26        | 25        |
| 17   | 21        | 25        | 24        | 29        | 29        |
| 18   | 23        | 25        | 30        | 34        | 29        |
| 19   | 21        | 23        | 25        | 32        | 30        |
| 20   | 15        | 19        | 23        | 25        | 23        |
| 21   | 11        | 11        | 12        | 16        | 13        |
| 22   | 4         | 6         | 7         | 8         | 12        |
| 23   | 2         | 5         | 4         | 6         | 5         |

Gisborne

| Hour | 21-Oct-19 | 22-Oct-19 | 23-Oct-19 | 24-Oct-19 | 25-Oct-19 |
|------|-----------|-----------|-----------|-----------|-----------|
| 0    | 26        | 42        | 45        | 30        | 29        |
| 1    | 25        | 41        | 40        | 39        | 29        |
| 2    | 27        | 42        | 36        | 35        | 30        |
| 3    | 30        | 42        | 33        | 37        | 32        |
| 4    | 37        | 48        | 43        | 40        | 34        |
| 5    | 50        | 54        | 51        | 52        | 45        |
| 6    | 67        | 68        | 67        | 68        | 57        |
| 7    | 63        | 64        | 64        | 62        | 55        |
| 8    | 63        | 65        | 64        | 61        | 54        |
| 9    | 61        | 65        | 62        | 59        | 50        |
| 10   | 61        | 63        | 63        | 65        | 47        |
| 11   | 57        | 60        | 57        | 55        | 45        |
| 12   | 55        | 64        | 56        | 51        | 44        |
| 13   | 52        | 61        | 52        | 48        | 44        |
| 14   | 54        | 58        | 54        | 45        | 48        |
| 15   | 49        | 57        | 51        | 48        | 48        |
| 16   | 54        | 61        | 52        | 50        | 50        |
| 17   | 55        | 63        | 58        | 50        | 53        |
| 18   | 51        | 61        | 56        | 50        | 50        |
| 19   | 48        | 61        | 54        | 46        | 49        |
| 20   | 45        | 54        | 44        | 40        | 43        |
| 21   | 45        | 48        | 39        | 33        | 38        |
| 22   | 42        | 45        | 36        | 29        | 34        |
| 23   | 41        | 47        | 34        | 31        | 32        |

Mount Maunganui

| Hour | 21-Oct-19 | 22-Oct-19 | 23-Oct-19 | 24-Oct-19 | 25-Oct-19 |
|------|-----------|-----------|-----------|-----------|-----------|
| 0    | 55        | 68        | 71        | 70        | 73        |
| 1    | 54        | 67        | 76        | 74        | 70        |
| 2    | 65        | 75        | 81        | 76        | 78        |
| 3    | 68        | 74        | 90        | 80        | 81        |
| 4    | 70        | 79        | 84        | 82        | 86        |
| 5    | 80        | 79        | 91        | 94        | 93        |
| 6    | 97        | 96        | 106       | 111       | 116       |
| 7    | 95        | 102       | 107       | 107       | 110       |
| 8    | 98        | 103       | 99        | 100       | 105       |
| 9    | 98        | 99        | 100       | 99        | 97        |
| 10   | 94        | 90        | 106       | 105       | 91        |
| 11   | 89        | 87        | 91        | 96        | 91        |
| 12   | 92        | 90        | 97        | 95        | 92        |
| 13   | 93        | 82        | 98        | 87        | 92        |
| 14   | 85        | 85        | 97        | 93        | 89        |
| 15   | 80        | 85        | 92        | 96        | 88        |
| 16   | 98        | 84        | 89        | 95        | 88        |
| 17   | 92        | 86        | 93        | 97        | 89        |
| 18   | 88        | 91        | 89        | 87        | 86        |
| 19   | 75        | 84        | 85        | 88        | 81        |
| 20   | 64        | 71        | 81        | 85        | 78        |
| 21   | 61        | 69        | 75        | 80        | 72        |
| 22   | 69        | 72        | 72        | 75        | 63        |
| 23   | 68        | 63        | 76        | 73        | 59        |

Rotorua

| Hour | 21-Oct-19 | 22-Oct-19 | 23-Oct-19 | 24-Oct-19 | 25-Oct-19 |
|------|-----------|-----------|-----------|-----------|-----------|
| 0    | 22        | 22        | 26        | 24        | 29        |
| 1    | 21        | 22        | 26        | 26        | 29        |
| 2    | 21        | 17        | 26        | 28        | 29        |
| 3    | 24        | 22        | 29        | 29        | 32        |
| 4    | 30        | 31        | 39        | 42        | 45        |
| 5    | 55        | 57        | 66        | 68        | 75        |
| 6    | 77        | 80        | 90        | 95        | 97        |
| 7    | 60        | 71        | 86        | 83        | 86        |
| 8    | 50        | 60        | 75        | 79        | 70        |
| 9    | 56        | 54        | 66        | 78        | 70        |
| 10   | 51        | 58        | 63        | 76        | 68        |
| 11   | 51        | 52        | 59        | 70        | 64        |
| 12   | 48        | 51        | 51        | 71        | 58        |
| 13   | 44        | 51        | 49        | 59        | 52        |
| 14   | 35        | 47        | 46        | 54        | 53        |
| 15   | 37        | 47        | 47        | 52        | 47        |
| 16   | 42        | 49        | 47        | 56        | 54        |
| 17   | 45        | 49        | 51        | 67        | 58        |
| 18   | 50        | 56        | 62        | 72        | 61        |
| 19   | 56        | 57        | 64        | 78        | 68        |
| 20   | 46        | 48        | 54        | 65        | 59        |
| 21   | 32        | 35        | 39        | 47        | 44        |
| 22   | 24        | 29        | 30        | 36        | 32        |
| 23   | 22        | 25        | 25        | 32        | 24        |

**2.6 South System**Paraparaumu

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

Hawera

| Hour | 29-Jun-20 | 30-Jun-20 | 1-Jul-20 | 2-Jul-20 | 3-Jul-20 |
|------|-----------|-----------|----------|----------|----------|
| 0    | 8         | 15        | 14       | 15       | 14       |
| 1    | 6         | 12        | 14       | 14       | 14       |
| 2    | 7         | 12        | 12       | 13       | 13       |
| 3    | 7         | 12        | 15       | 14       | 13       |
| 4    | 13        | 17        | 19       | 18       | 20       |
| 5    | 25        | 26        | 29       | 28       | 27       |
| 6    | 31        | 36        | 40       | 37       | 39       |
| 7    | 40        | 46        | 50       | 49       | 51       |
| 8    | 41        | 47        | 52       | 49       | 52       |
| 9    | 39        | 44        | 49       | 45       | 47       |
| 10   | 39        | 44        | 47       | 39       | 43       |
| 11   | 40        | 41        | 39       | 37       | 40       |
| 12   | 36        | 42        | 37       | 32       | 32       |
| 13   | 36        | 41        | 32       | 29       | 25       |
| 14   | 37        | 39        | 29       | 28       | 16       |
| 15   | 37        | 38        | 31       | 29       | 18       |
| 16   | 44        | 48        | 40       | 38       | 28       |
| 17   | 50        | 56        | 51       | 53       | 39       |
| 18   | 52        | 60        | 55       | 57       | 36       |
| 19   | 48        | 55        | 52       | 54       | 35       |
| 20   | 45        | 50        | 49       | 51       | 30       |
| 21   | 40        | 42        | 41       | 40       | 25       |
| 22   | 30        | 30        | 25       | 22       | 19       |
| 23   | 20        | 16        | 17       | 14       | 14       |

Wanganui

| Hour | 30-Jun-20 | 1-Jul-20 | 2-Jul-20 | 3-Jul-20 | 4-Jul-20 |
|------|-----------|----------|----------|----------|----------|
| 0    | 42        | 49       | 51       | 55       | 57       |
| 1    | 38        | 45       | 53       | 50       | 47       |
| 2    | 41        | 44       | 47       | 46       | 48       |
| 3    | 48        | 44       | 47       | 47       | 50       |
| 4    | 84        | 48       | 57       | 52       | 57       |
| 5    | 104       | 66       | 75       | 76       | 81       |
| 6    | 143       | 101      | 131      | 107      | 125      |
| 7    | 167       | 133      | 184      | 144      | 185      |
| 8    | 168       | 131      | 185      | 148      | 191      |
| 9    | 156       | 122      | 169      | 152      | 176      |
| 10   | 148       | 110      | 157      | 148      | 156      |
| 11   | 161       | 98       | 153      | 145      | 146      |
| 12   | 131       | 106      | 147      | 143      | 136      |
| 13   | 124       | 111      | 138      | 134      | 131      |
| 14   | 126       | 114      | 134      | 138      | 113      |
| 15   | 141       | 113      | 135      | 127      | 120      |
| 16   | 155       | 132      | 157      | 141      | 144      |
| 17   | 182       | 151      | 184      | 154      | 167      |
| 18   | 189       | 149      | 194      | 157      | 173      |
| 19   | 180       | 137      | 179      | 149      | 163      |
| 20   | 168       | 117      | 163      | 131      | 157      |
| 21   | 135       | 98       | 141      | 108      | 135      |
| 22   | 81        | 77       | 98       | 83       | 116      |
| 23   | 61        | 54       | 63       | 56       | 75       |



Marton

| Hour | 29-Jun-20 | 30-Jun-20 | 1-Jul-20 | 2-Jul-20 | 3-Jul-20 |
|------|-----------|-----------|----------|----------|----------|
| 0    | 7         | 30        | 37       | 13       | 34       |
| 1    | 7         | 27        | 37       | 12       | 29       |
| 2    | 7         | 24        | 35       | 12       | 25       |
| 3    | 14        | 20        | 37       | 15       | 24       |
| 4    | 27        | 19        | 35       | 31       | 22       |
| 5    | 35        | 20        | 32       | 40       | 26       |
| 6    | 37        | 15        | 33       | 42       | 18       |
| 7    | 37        | 16        | 31       | 42       | 19       |
| 8    | 36        | 23        | 27       | 42       | 33       |
| 9    | 34        | 37        | 24       | 42       | 34       |
| 10   | 33        | 36        | 21       | 42       | 34       |
| 11   | 34        | 35        | 15       | 41       | 33       |
| 12   | 35        | 35        | 11       | 40       | 32       |
| 13   | 34        | 36        | 11       | 40       | 31       |
| 14   | 36        | 37        | 14       | 40       | 33       |
| 15   | 39        | 39        | 14       | 42       | 35       |
| 16   | 45        | 41        | 15       | 45       | 38       |
| 17   | 42        | 42        | 16       | 45       | 39       |
| 18   | 43        | 45        | 14       | 51       | 39       |
| 19   | 43        | 38        | 14       | 48       | 39       |
| 20   | 43        | 39        | 14       | 48       | 38       |
| 21   | 39        | 38        | 14       | 47       | 37       |
| 22   | 32        | 38        | 12       | 44       | 37       |
| 23   | 32        | 37        | 12       | 42       | 39       |

Palmerston North

| Hour | 29-Jun-20 | 30-Jun-20 | 1-Jul-20 | 2-Jul-20 | 3-Jul-20 |
|------|-----------|-----------|----------|----------|----------|
| 0    | 56        | 66        | 69       | 76       | 80       |
| 1    | 55        | 61        | 66       | 73       | 75       |
| 2    | 55        | 60        | 68       | 69       | 75       |
| 3    | 61        | 62        | 72       | 72       | 78       |
| 4    | 76        | 77        | 87       | 85       | 92       |
| 5    | 101       | 107       | 124      | 113      | 122      |
| 6    | 205       | 205       | 228      | 224      | 225      |
| 7    | 255       | 260       | 301      | 296      | 308      |
| 8    | 222       | 240       | 275      | 277      | 299      |
| 9    | 199       | 220       | 255      | 259      | 259      |
| 10   | 172       | 206       | 234      | 240      | 229      |
| 11   | 163       | 202       | 223      | 232      | 210      |
| 12   | 157       | 189       | 210      | 232      | 195      |
| 13   | 149       | 169       | 198      | 215      | 180      |
| 14   | 150       | 151       | 192      | 196      | 157      |
| 15   | 166       | 154       | 209      | 186      | 164      |
| 16   | 196       | 201       | 245      | 218      | 195      |
| 17   | 231       | 237       | 273      | 248      | 225      |
| 18   | 237       | 244       | 247      | 259      | 227      |
| 19   | 216       | 231       | 248      | 248      | 216      |
| 20   | 188       | 203       | 217      | 225      | 194      |
| 21   | 154       | 167       | 178      | 184      | 162      |
| 22   | 114       | 123       | 131      | 137      | 123      |
| 23   | 82        | 87        | 89       | 97       | 86       |

Longburn

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

Levin

| Hour | 29-Jun-20 | 30-Jun-20 | 1-Jul-20 | 2-Jul-20 | 3-Jul-20 |
|------|-----------|-----------|----------|----------|----------|
| 0    | 9         | 21        | 20       | 20       | 19       |
| 1    | 9         | 19        | 18       | 18       | 15       |
| 2    | 9         | 13        | 14       | 14       | 15       |
| 3    | 9         | 14        | 15       | 15       | 17       |
| 4    | 12        | 19        | 22       | 21       | 22       |
| 5    | 30        | 27        | 29       | 29       | 28       |
| 6    | 36        | 41        | 40       | 44       | 44       |
| 7    | 48        | 50        | 54       | 53       | 59       |
| 8    | 49        | 54        | 58       | 59       | 65       |
| 9    | 45        | 54        | 58       | 55       | 58       |
| 10   | 45        | 48        | 55       | 54       | 51       |
| 11   | 38        | 43        | 50       | 49       | 44       |
| 12   | 45        | 40        | 51       | 44       | 44       |
| 13   | 47        | 39        | 51       | 44       | 40       |
| 14   | 45        | 38        | 43       | 43       | 33       |
| 15   | 46        | 38        | 44       | 42       | 32       |
| 16   | 38        | 34        | 48       | 38       | 36       |
| 17   | 42        | 44        | 54       | 46       | 42       |
| 18   | 44        | 47        | 52       | 47       | 42       |
| 19   | 41        | 45        | 48       | 46       | 39       |
| 20   | 37        | 41        | 44       | 42       | 30       |
| 21   | 32        | 37        | 38       | 37       | 27       |
| 22   | 27        | 29        | 31       | 29       | 19       |
| 23   | 21        | 23        | 25       | 22       | 14       |

Belmont

| Hour | 29-Jun-20 | 30-Jun-20 | 1-Jul-20 | 2-Jul-20 | 3-Jul-20 |
|------|-----------|-----------|----------|----------|----------|
| 0    | 84        | 98        | 114      | 139      | 114      |
| 1    | 78        | 91        | 114      | 135      | 111      |
| 2    | 80        | 96        | 111      | 134      | 116      |
| 3    | 87        | 99        | 123      | 140      | 120      |
| 4    | 95        | 118       | 135      | 156      | 137      |
| 5    | 139       | 163       | 194      | 209      | 194      |
| 6    | 273       | 316       | 353      | 361      | 353      |
| 7    | 371       | 426       | 477      | 491      | 493      |
| 8    | 350       | 415       | 453      | 474      | 491      |
| 9    | 298       | 351       | 414      | 422      | 414      |
| 10   | 283       | 332       | 381      | 405      | 344      |
| 11   | 306       | 322       | 384      | 394      | 317      |
| 12   | 303       | 323       | 372      | 370      | 269      |
| 13   | 288       | 324       | 378      | 367      | 225      |
| 14   | 272       | 313       | 366      | 327      | 200      |
| 15   | 272       | 317       | 370      | 333      | 205      |
| 16   | 309       | 364       | 418      | 389      | 266      |
| 17   | 366       | 431       | 469      | 448      | 355      |
| 18   | 390       | 452       | 489      | 468      | 386      |
| 19   | 368       | 426       | 462      | 441      | 370      |
| 20   | 326       | 364       | 408      | 388      | 340      |
| 21   | 276       | 303       | 339      | 316      | 295      |
| 22   | 202       | 209       | 241      | 215      | 227      |
| 23   | 123       | 143       | 166      | 140      | 162      |

Feilding

| Hour | 29-Jun-20 | 30-Jun-20 | 1-Jul-20 | 2-Jul-20 | 3-Jul-20 |
|------|-----------|-----------|----------|----------|----------|
| 0    | 10        | 15        | 16       | 18       | 20       |
| 1    | 13        | 15        | 17       | 18       | 19       |
| 2    | 13        | 18        | 19       | 22       | 22       |
| 3    | 14        | 18        | 18       | 22       | 23       |
| 4    | 15        | 18        | 19       | 22       | 25       |
| 5    | 22        | 24        | 26       | 26       | 28       |
| 6    | 31        | 32        | 36       | 36       | 40       |
| 7    | 42        | 46        | 52       | 52       | 54       |
| 8    | 43        | 45        | 50       | 49       | 57       |
| 9    | 42        | 45        | 45       | 52       | 50       |
| 10   | 37        | 40        | 45       | 45       | 46       |
| 11   | 33        | 37        | 39       | 45       | 42       |
| 12   | 31        | 36        | 42       | 46       | 38       |
| 13   | 34        | 33        | 42       | 44       | 33       |
| 14   | 40        | 36        | 42       | 37       | 29       |
| 15   | 37        | 32        | 41       | 38       | 28       |
| 16   | 41        | 38        | 43       | 38       | 31       |
| 17   | 42        | 44        | 51       | 48       | 39       |
| 18   | 43        | 45        | 53       | 48       | 41       |
| 19   | 38        | 41        | 47       | 45       | 36       |
| 20   | 34        | 39        | 42       | 44       | 33       |
| 21   | 31        | 35        | 35       | 37       | 28       |
| 22   | 21        | 23        | 26       | 25       | 22       |
| 23   | 17        | 20        | 21       | 22       | 17       |

Hastings

| Hour | 29-Jun-20 | 30-Jun-20 | 1-Jul-20 | 2-Jul-20 | 3-Jul-20 |
|------|-----------|-----------|----------|----------|----------|
| 0    | 154       | 259       | 266      | 241      | 229      |
| 1    | 115       | 249       | 232      | 208      | 208      |
| 2    | 135       | 255       | 238      | 219      | 225      |
| 3    | 143       | 255       | 246      | 221      | 233      |
| 4    | 174       | 247       | 252      | 227      | 246      |
| 5    | 219       | 291       | 279      | 268      | 261      |
| 6    | 297       | 332       | 331      | 321      | 309      |
| 7    | 351       | 375       | 381      | 376      | 364      |
| 8    | 358       | 414       | 385      | 399      | 394      |
| 9    | 328       | 380       | 366      | 364      | 342      |
| 10   | 326       | 387       | 354      | 355      | 332      |
| 11   | 341       | 395       | 367      | 366      | 310      |
| 12   | 312       | 370       | 349      | 355      | 286      |
| 13   | 322       | 369       | 334      | 353      | 311      |
| 14   | 313       | 351       | 313      | 330      | 293      |
| 15   | 302       | 324       | 316      | 317      | 255      |
| 16   | 328       | 339       | 316      | 331      | 253      |
| 17   | 309       | 327       | 306      | 319      | 249      |
| 18   | 305       | 323       | 315      | 341      | 258      |
| 19   | 312       | 299       | 279      | 306      | 253      |
| 20   | 299       | 278       | 263      | 267      | 244      |
| 21   | 267       | 267       | 253      | 268      | 210      |
| 22   | 250       | 247       | 228      | 241      | 207      |
| 23   | 242       | 220       | 231      | 224      | 168      |

Pauatahani

| Hour | 29-Jun-20 | 30-Jun-20 | 1-Jul-20 | 2-Jul-20 | 3-Jul-20 |
|------|-----------|-----------|----------|----------|----------|
| 0    | 6         | 7         | 8        | 9        | 8        |
| 1    | 7         | 7         | 7        | 8        | 7        |
| 2    | 6         | 7         | 7        | 9        | 7        |
| 3    | 6         | 7         | 8        | 8        | 8        |
| 4    | 6         | 8         | 8        | 9        | 9        |
| 5    | 9         | 11        | 13       | 14       | 14       |
| 6    | 21        | 26        | 28       | 29       | 28       |
| 7    | 27        | 32        | 35       | 38       | 38       |
| 8    | 23        | 28        | 31       | 33       | 33       |
| 9    | 16        | 20        | 27       | 28       | 22       |
| 10   | 15        | 17        | 24       | 26       | 16       |
| 11   | 17        | 15        | 22       | 25       | 11       |
| 12   | 18        | 15        | 21       | 25       | 9        |
| 13   | 17        | 16        | 22       | 21       | 9        |
| 14   | 18        | 18        | 21       | 20       | 8        |
| 15   | 19        | 21        | 24       | 23       | 9        |
| 16   | 24        | 29        | 31       | 29       | 15       |
| 17   | 31        | 37        | 38       | 38       | 26       |
| 18   | 34        | 40        | 42       | 42       | 30       |
| 19   | 33        | 38        | 39       | 39       | 30       |
| 20   | 30        | 33        | 34       | 34       | 27       |
| 21   | 23        | 25        | 27       | 27       | 23       |
| 22   | 14        | 16        | 17       | 16       | 17       |
| 23   | 8         | 9         | 11       | 9        | 11       |



Wellington (Tawa)

| Hour | 29-Jun-20 | 30-Jun-20 | 1-Jul-20 | 2-Jul-20 | 3-Jul-20 |
|------|-----------|-----------|----------|----------|----------|
| 0    | 116       | 168       | 186      | 222      | 196      |
| 1    | 110       | 158       | 170      | 207      | 184      |
| 2    | 118       | 163       | 177      | 209      | 184      |
| 3    | 124       | 176       | 188      | 218      | 196      |
| 4    | 170       | 196       | 218      | 245      | 217      |
| 5    | 257       | 299       | 332      | 357      | 324      |
| 6    | 477       | 535       | 566      | 592      | 556      |
| 7    | 696       | 785       | 822      | 852      | 802      |
| 8    | 651       | 781       | 860      | 897      | 845      |
| 9    | 537       | 651       | 743      | 791      | 684      |
| 10   | 551       | 589       | 694      | 729      | 581      |
| 11   | 561       | 581       | 656      | 726      | 519      |
| 12   | 563       | 600       | 631      | 710      | 478      |
| 13   | 547       | 595       | 635      | 689      | 423      |
| 14   | 529       | 565       | 634      | 649      | 398      |
| 15   | 548       | 613       | 646      | 659      | 450      |
| 16   | 621       | 676       | 709      | 722      | 538      |
| 17   | 676       | 749       | 765      | 784      | 637      |
| 18   | 677       | 758       | 767      | 787      | 638      |
| 19   | 636       | 691       | 721      | 740      | 606      |
| 20   | 568       | 610       | 663      | 668      | 545      |
| 21   | 470       | 502       | 568      | 553      | 470      |
| 22   | 321       | 352       | 403      | 387      | 355      |
| 23   | 207       | 229       | 265      | 248      | 248      |

Waitangirua (Hutt Valley)

| Hour | 29-Jun-20 | 30-Jun-20 | 1-Jul-20 | 2-Jul-20 | 3-Jul-20 |
|------|-----------|-----------|----------|----------|----------|
| 0    | 17        | 23        | 25       | 31       | 28       |
| 1    | 14        | 21        | 24       | 27       | 24       |
| 2    | 14        | 21        | 23       | 28       | 26       |
| 3    | 16        | 22        | 25       | 28       | 27       |
| 4    | 19        | 27        | 31       | 32       | 31       |
| 5    | 39        | 46        | 50       | 50       | 51       |
| 6    | 83        | 94        | 100      | 103      | 100      |
| 7    | 104       | 120       | 126      | 132      | 131      |
| 8    | 93        | 107       | 118      | 122      | 120      |
| 9    | 75        | 91        | 108      | 112      | 98       |
| 10   | 75        | 84        | 101      | 109      | 81       |
| 11   | 84        | 75        | 95       | 106      | 68       |
| 12   | 82        | 80        | 90       | 100      | 58       |
| 13   | 76        | 75        | 89       | 93       | 49       |
| 14   | 72        | 76        | 84       | 86       | 44       |
| 15   | 76        | 83        | 90       | 92       | 49       |
| 16   | 88        | 102       | 105      | 104      | 69       |
| 17   | 99        | 117       | 116      | 119      | 89       |
| 18   | 104       | 122       | 122      | 124      | 93       |
| 19   | 102       | 112       | 111      | 117      | 90       |
| 20   | 88        | 95        | 98       | 102      | 81       |
| 21   | 68        | 78        | 80       | 82       | 69       |
| 22   | 45        | 52        | 55       | 54       | 51       |
| 23   | 29        | 33        | 37       | 35       | 34       |

## 2.6 Frankley Road System

### Taranaki Combined Cycle

| Hour | 13-Jul-20 | 14-Jul-20 | 15-Jul-20 | 16-Jul-20 | 17-Jul-20 |
|------|-----------|-----------|-----------|-----------|-----------|
| 0    | 2,409     | 2,268     | 2,484     | 2,406     | 2,409     |
| 1    | 2,177     | 2,420     | 2,439     | 2,279     | 2,409     |
| 2    | 2,138     | 2,463     | 2,508     | 2,139     | 2,409     |
| 3    | 2,143     | 2,458     | 2,440     | 2,265     | 2,409     |
| 4    | 2,142     | 2,465     | 2,443     | 2,406     | 2,407     |
| 5    | 2,273     | 2,449     | 2,435     | 2,406     | 2,406     |
| 6    | 2,412     | 2,463     | 2,497     | 2,378     | 2,384     |
| 7    | 2,425     | 2,442     | 2,128     | 1,332     | 2,379     |
| 8    | 2,424     | 1,661     | 962       | 766       | 2,410     |
| 9    | 2,414     | 1,063     | 1,262     | 756       | 2,410     |
| 10   | 2,447     | 874       | 1,297     | 780       | 2,301     |
| 11   | 2,414     | 777       | 1,282     | 780       | 2,204     |
| 12   | 2,421     | 772       | 1,237     | 761       | 2,414     |
| 13   | 2,423     | 776       | 1,200     | 755       | 2,414     |
| 14   | 2,342     | 1,326     | 916       | 755       | 2,414     |
| 15   | 2,442     | 2,226     | 910       | 754       | 2,413     |
| 16   | 2,428     | 2,424     | 960       | 1,235     | 2,414     |
| 17   | 2,428     | 2,431     | 2,293     | 2,412     | 2,413     |
| 18   | 2,434     | 2,466     | 2,409     | 2,411     | 2,414     |
| 19   | 2,441     | 2,439     | 2,410     | 2,412     | 2,411     |
| 20   | 2,449     | 2,439     | 2,409     | 2,411     | 2,413     |
| 21   | 2,430     | 2,447     | 2,407     | 2,410     | 2,410     |
| 22   | 2,442     | 2,438     | 2,407     | 2,411     | 2,412     |
| 23   | 2,428     | 2,441     | 2,406     | 2,410     | 2,412     |

Stratford 2

| Hour | 13-Jul-20 | 14-Jul-20 | 15-Jul-20 | 16-Jul-20 | 17-Jul-20 |
|------|-----------|-----------|-----------|-----------|-----------|
| 0    | -         | -         | 60        | 308       | 28        |
| 1    | -         | -         | -         | -         | -         |
| 2    | -         | -         | -         | -         | -         |
| 3    | -         | -         | -         | -         | -         |
| 4    | -         | 2         | -         | -         | -         |
| 5    | -         | 12        | 204       | -         | -         |
| 6    | 436       | 678       | 408       | 100       | -         |
| 7    | 878       | 666       | 428       | 628       | 570       |
| 8    | 948       | 864       | 772       | 976       | 936       |
| 9    | 936       | 868       | 762       | 1,096     | 960       |
| 10   | 946       | 550       | 1,066     | 622       | 1,788     |
| 11   | 938       | 86        | 1,300     | 696       | 1,650     |
| 12   | 550       | -         | 1,724     | 590       | 988       |
| 13   | 562       | -         | 1,704     | 264       | 856       |
| 14   | 768       | 236       | 1,488     | 1,000     | 704       |
| 15   | 544       | 468       | 1,400     | 1,120     | 754       |
| 16   | 736       | 792       | 1,680     | 1,490     | 908       |
| 17   | 1,360     | 1,780     | 1,668     | 1,750     | 1,694     |
| 18   | 1,498     | 1,642     | 1,784     | 1,764     | 1,836     |
| 19   | 1,248     | 1,708     | 1,740     | 1,680     | 1,448     |
| 20   | 682       | 1,774     | 1,548     | 1,656     | 910       |
| 21   | 30        | 984       | 1,392     | 1,640     | 930       |
| 22   | -         | 762       | 812       | 762       | 786       |
| 23   | -         | 926       | 876       | 850       | 706       |

Stratford 3

| Hour | 13-Jul-20 | 14-Jul-20 | 15-Jul-20 | 16-Jul-20 | 17-Jul-20 |
|------|-----------|-----------|-----------|-----------|-----------|
| 0    | 78        | -         | -         | -         | -         |
| 1    | -         | -         | -         | -         | -         |
| 2    | -         | -         | -         | -         | -         |
| 3    | -         | -         | -         | -         | -         |
| 4    | -         | -         | -         | -         | -         |
| 5    | -         | -         | -         | -         | -         |
| 6    | -         | -         | -         | -         | -         |
| 7    | -         | -         | -         | -         | -         |
| 8    | -         | -         | -         | -         | -         |
| 9    | -         | -         | -         | -         | -         |
| 10   | -         | -         | -         | -         | -         |
| 11   | -         | -         | -         | -         | 46        |
| 12   | -         | -         | -         | -         | 135       |
| 13   | -         | -         | -         | -         | 44        |
| 14   | -         | -         | -         | -         | -         |
| 15   | -         | -         | -         | -         | -         |
| 16   | -         | -         | -         | -         | -         |
| 17   | -         | -         | -         | -         | -         |
| 18   | -         | -         | -         | -         | -         |
| 19   | -         | -         | -         | -         | 73        |
| 20   | -         | -         | -         | -         | 10        |
| 21   | -         | -         | -         | -         | 628       |
| 22   | -         | -         | -         | -         | 1,249     |
| 23   | -         | -         | -         | -         | 1,134     |

AUP

| Hour | 13-Jul-20 | 14-Jul-20 | 15-Jul-20 | 16-Jul-20 | 17-Jul-20 |
|------|-----------|-----------|-----------|-----------|-----------|
| 0    | 798       | 797       | 835       | 841       | 821       |
| 1    | 793       | 802       | 835       | 841       | 820       |
| 2    | 789       | 793       | 835       | 841       | 820       |
| 3    | 790       | 802       | 838       | 841       | 820       |
| 4    | 787       | 797       | 831       | 841       | 820       |
| 5    | 793       | 798       | 840       | 843       | 821       |
| 6    | 788       | 802       | 833       | 844       | 819       |
| 7    | 787       | 798       | 840       | 844       | 818       |
| 8    | 791       | 799       | 826       | 833       | 815       |
| 9    | 793       | 809       | 776       | 832       | 815       |
| 10   | 795       | 813       | 715       | 830       | 812       |
| 11   | 790       | 814       | 714       | 829       | 810       |
| 12   | 788       | 819       | 706       | 834       | 811       |
| 13   | 791       | 826       | 716       | 828       | 809       |
| 14   | 787       | 829       | 797       | 820       | 806       |
| 15   | 790       | 829       | 827       | 821       | 807       |
| 16   | 788       | 835       | 834       | 821       | 809       |
| 17   | 789       | 833       | 835       | 821       | 808       |
| 18   | 790       | 834       | 834       | 821       | 811       |
| 19   | 783       | 835       | 834       | 822       | 812       |
| 20   | 796       | 830       | 833       | 820       | 807       |
| 21   | 796       | 839       | 838       | 821       | 817       |
| 22   | 797       | 831       | 840       | 820       | 817       |
| 23   | 797       | 835       | 840       | 824       | 818       |

Stratford 2

| Hour | 02-Sep-19 | 3-Sep-19 | 4-Sep-19 | 5-Sep-19 | 6-Sep-19 |
|------|-----------|----------|----------|----------|----------|
| 0    | 0         | 0        | 0        | 0        | 0        |
| 1    | 0         | 0        | 0        | 0        | 0        |
| 2    | 0         | 0        | 0        | 0        | 0        |
| 3    | 0         | 0        | 0        | 0        | 0        |
| 4    | 0         | 0        | 0        | 0        | 0        |
| 5    | 0         | 32       | 0        | 0        | 44       |
| 6    | 306       | 744      | 20       | 4        | 784      |
| 7    | 846       | 752      | 732      | 708      | 1,680    |
| 8    | 760       | 956      | 868      | 938      | 1,698    |
| 9    | 1,308     | 932      | 880      | 884      | 1,642    |
| 10   | 592       | 960      | 914      | 884      | 1,708    |
| 11   | 552       | 964      | 926      | 846      | 1,904    |
| 12   | 322       | 1,000    | 936      | 888      | 1,886    |
| 13   | 0         | 900      | 892      | 944      | 1,886    |
| 14   | 0         | 886      | 890      | 938      | 1,808    |
| 15   | 0         | 870      | 930      | 1,156    | 1,828    |
| 16   | 310       | 948      | 940      | 1,556    | 1,886    |
| 17   | 1,392     | 944      | 876      | 1,640    | 1,774    |
| 18   | 1,366     | 876      | 928      | 1,638    | 1,596    |
| 19   | 1,006     | 884      | 856      | 1,518    | 1,492    |
| 20   | 788       | 928      | 812      | 1,164    | 1,732    |
| 21   | 312       | 688      | 306      | 868      | 1,296    |
| 22   | 0         | 56       | 0        | 844      | 846      |
| 23   | 0         | 0        | 0        | 84       | 334      |

**2.7 Maui System**Pirongia

| Hour | 24-Feb-20 | 25-Feb-20 | 26-Feb-20 | 27-Feb-20 | 28-Feb-20 |
|------|-----------|-----------|-----------|-----------|-----------|
| 0    | 71        | 40        | 62        | 74        | 57        |
| 1    | 72        | 2         | 62        | 73        | 59        |
| 2    | 71        | 0         | 63        | 74        | 56        |
| 3    | 69        | 0         | 66        | 78        | 59        |
| 4    | 66        | 0         | 65        | 76        | 62        |
| 5    | 52        | 0         | 63        | 72        | 62        |
| 6    | 52        | 0         | 59        | 42        | 65        |
| 7    | 59        | 0         | 65        | 62        | 69        |
| 8    | 68        | 0         | 66        | 58        | 71        |
| 9    | 63        | 0         | 56        | 45        | 62        |
| 10   | 73        | 0         | 53        | 44        | 58        |
| 11   | 80        | 0         | 41        | 41        | 56        |
| 12   | 61        | 3         | 58        | 39        | 59        |
| 13   | 55        | 25        | 65        | 41        | 50        |
| 14   | 53        | 46        | 62        | 40        | 55        |
| 15   | 52        | 49        | 64        | 54        | 58        |
| 16   | 54        | 53        | 68        | 50        | 56        |
| 17   | 59        | 56        | 57        | 56        | 59        |
| 18   | 69        | 55        | 60        | 70        | 66        |
| 19   | 60        | 72        | 87        | 69        | 83        |
| 20   | 61        | 67        | 81        | 50        | 78        |
| 21   | 61        | 62        | 74        | 45        | 67        |
| 22   | 53        | 64        | 77        | 52        | 63        |
| 23   | 48        | 61        | 76        | 55        | 62        |



Ngatimaru Road

| Hour | 24-Feb-20 | 25-Feb-20 | 26-Feb-20 | 27-Feb-20 | 28-Feb-20 |
|------|-----------|-----------|-----------|-----------|-----------|
| 0    | 5,907     | 5,741     | 5,634     | 5,627     | 5,800     |
| 1    | 5,904     | 5,709     | 5,581     | 5,619     | 5,827     |
| 2    | 5,905     | 5,686     | 5,586     | 5,622     | 5,842     |
| 3    | 5,904     | 5,684     | 5,573     | 5,642     | 5,865     |
| 4    | 5,907     | 5,682     | 5,581     | 5,637     | 5,887     |
| 5    | 5,901     | 5,681     | 5,579     | 5,636     | 5,884     |
| 6    | 5,897     | 5,682     | 5,579     | 5,637     | 5,881     |
| 7    | 5,895     | 5,681     | 5,578     | 5,636     | 5,881     |
| 8    | 5,895     | 5,682     | 5,579     | 5,662     | 5,884     |
| 9    | 5,896     | 5,684     | 5,583     | 5,623     | 5,885     |
| 10   | 5,903     | 5,687     | 5,584     | 5,567     | 5,886     |
| 11   | 5,903     | 5,724     | 5,584     | 5,603     | 5,885     |
| 12   | 5,905     | 5,752     | 5,583     | 5,602     | 5,884     |
| 13   | 5,906     | 5,791     | 5,584     | 5,605     | 5,889     |
| 14   | 5,906     | 5,794     | 5,587     | 5,607     | 5,887     |
| 15   | 5,908     | 5,791     | 5,589     | 5,567     | 5,889     |
| 16   | 5,909     | 5,794     | 5,588     | 5,471     | 5,890     |
| 17   | 5,908     | 5,796     | 5,588     | 5,463     | 5,890     |
| 18   | 5,911     | 5,798     | 5,588     | 5,464     | 5,864     |
| 19   | 5,908     | 5,790     | 5,585     | 5,461     | 5,801     |
| 20   | 5,903     | 5,790     | 5,585     | 5,459     | 5,790     |
| 21   | 5,905     | 5,789     | 5,593     | 5,460     | 5,789     |
| 22   | 5,903     | 5,790     | 5,626     | 5,460     | 5,788     |
| 23   | 5,810     | 5,788     | 5,648     | 5,629     | 5,825     |

Te Kuiti South

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

Rotowaro

| Hour | 24-Feb-20 | 25-Feb-20 | 26-Feb-20 | 27-Feb-20 | 28-Feb-20 |
|------|-----------|-----------|-----------|-----------|-----------|
| 0    | 2,408     | 2,806     | 2,800     | 2,682     | 2,746     |
| 1    | 2,412     | 2,742     | 2,698     | 2,586     | 2,662     |
| 2    | 2,704     | 2,738     | 2,604     | 2,552     | 2,660     |
| 3    | 2,742     | 2,746     | 2,604     | 2,552     | 2,744     |
| 4    | 2,684     | 2,774     | 2,688     | 2,764     | 2,776     |
| 5    | 2,970     | 3,040     | 2,894     | 2,876     | 2,980     |
| 6    | 3,454     | 3,424     | 3,298     | 3,236     | 3,298     |
| 7    | 3,566     | 3,672     | 3,540     | 3,526     | 3,506     |
| 8    | 3,668     | 3,678     | 2,764     | 4,130     | 3,556     |
| 9    | 3,604     | 3,866     | 2,900     | 3,502     | 3,558     |
| 10   | 3,320     | 3,580     | 2,896     | 3,574     | 3,598     |
| 11   | 3,252     | 3,416     | 3,980     | 3,426     | 3,656     |
| 12   | 3,202     | 3,704     | 4,324     | 3,404     | 3,696     |
| 13   | 3,202     | 3,536     | 3,640     | 3,380     | 3,560     |
| 14   | 3,244     | 3,366     | 3,232     | 3,344     | 3,240     |
| 15   | 3,188     | 3,270     | 3,204     | 3,276     | 3,100     |
| 16   | 3,178     | 3,248     | 3,272     | 3,304     | 3,096     |
| 17   | 3,238     | 3,212     | 3,328     | 3,424     | 3,116     |
| 18   | 3,270     | 3,246     | 3,382     | 3,478     | 3,140     |
| 19   | 3,362     | 3,220     | 3,326     | 3,536     | 3,112     |
| 20   | 3,384     | 3,278     | 3,264     | 3,482     | 3,064     |
| 21   | 3,256     | 3,188     | 3,104     | 3,248     | 2,892     |
| 22   | 3,052     | 2,960     | 2,904     | 3,056     | 2,710     |
| 23   | 2,926     | 2,830     | 2,776     | 2,912     | 2,662     |

Huntly Power Station

| Hour | 24-Feb-20 | 25-Feb-20 | 26-Feb-20 | 27-Feb-20 | 28-Feb-20 |
|------|-----------|-----------|-----------|-----------|-----------|
| 0    | 1,720     | 1,808     | 2,244     | 2,184     | 2,104     |
| 1    | 1,772     | 1,744     | 2,148     | 2,176     | 2,196     |
| 2    | 1,764     | 1,716     | 1,900     | 2,144     | 1,980     |
| 3    | 1,712     | 1,756     | 1,892     | 2,148     | 1,928     |
| 4    | 1,796     | 2,076     | 2,288     | 2,348     | 2,304     |
| 5    | 2,168     | 2,344     | 2,620     | 2,616     | 2,596     |
| 6    | 2,412     | 2,700     | 2,616     | 3,108     | 2,820     |
| 7    | 2,436     | 2,760     | 2,716     | 3,188     | 3,176     |
| 8    | 2,424     | 2,720     | 2,676     | 3,180     | 3,024     |
| 9    | 2,492     | 2,708     | 2,680     | 2,996     | 2,932     |
| 10   | 2,880     | 2,688     | 2,436     | 2,840     | 3,068     |
| 11   | 2,900     | 2,660     | 2,548     | 2,900     | 2,696     |
| 12   | 2,952     | 2,640     | 2,616     | 2,900     | 2,876     |
| 13   | 3,128     | 2,628     | 2,580     | 2,888     | 3,020     |
| 14   | 3,400     | 2,776     | 2,808     | 2,888     | 2,880     |
| 15   | 3,400     | 2,904     | 3,004     | 3,024     | 2,848     |
| 16   | 3,452     | 2,780     | 3,016     | 2,876     | 3,036     |
| 17   | 3,460     | 2,856     | 2,840     | 2,904     | 2,900     |
| 18   | 3,352     | 2,812     | 2,784     | 2,916     | 2,956     |
| 19   | 3,280     | 2,832     | 2,648     | 2,748     | 3,148     |
| 20   | 3,168     | 2,712     | 2,752     | 2,692     | 3,028     |
| 21   | 2,972     | 2,300     | 2,836     | 2,408     | 2,476     |
| 22   | 3,192     | 2,076     | 2,796     | 2,476     | 2,476     |
| 23   | 1,980     | 1,944     | 2,312     | 2,172     | 2,456     |

Pokuru

| Hour | 24-Feb-20 | 25-Feb-20 | 26-Feb-20 | 27-Feb-20 | 28-Feb-20 |
|------|-----------|-----------|-----------|-----------|-----------|
| 0    | 716       | 796       | 844       | 520       | 564       |
| 1    | 700       | 816       | 848       | 464       | 568       |
| 2    | 712       | 796       | 860       | 436       | 576       |
| 3    | 720       | 772       | 868       | 464       | 592       |
| 4    | 712       | 772       | 876       | 532       | 592       |
| 5    | 744       | 764       | 880       | 548       | 616       |
| 6    | 756       | 764       | 868       | 596       | 640       |
| 7    | 788       | 780       | 864       | 584       | 664       |
| 8    | 808       | 784       | 856       | 596       | 680       |
| 9    | 832       | 752       | 712       | 576       | 792       |
| 10   | 876       | 772       | 848       | 556       | 912       |
| 11   | 924       | 816       | 816       | 652       | 900       |
| 12   | 944       | 832       | 644       | 576       | 908       |
| 13   | 916       | 860       | 620       | 624       | 908       |
| 14   | 884       | 868       | 756       | 672       | 864       |
| 15   | 776       | 792       | 656       | 668       | 828       |
| 16   | 832       | 784       | 612       | 668       | 672       |
| 17   | 808       | 796       | 688       | 652       | 656       |
| 18   | 756       | 800       | 672       | 676       | 656       |
| 19   | 732       | 804       | 656       | 676       | 640       |
| 20   | 712       | 808       | 596       | 664       | 604       |
| 21   | 876       | 820       | 556       | 640       | 572       |
| 22   | 896       | 824       | 532       | 592       | 568       |
| 23   | 864       | 836       | 524       | 556       | 548       |

Bertrand Road

| Hour | 24-Feb-20 | 25-Feb-20 | 26-Feb-20 | 27-Feb-20 | 28-Feb-20 |
|------|-----------|-----------|-----------|-----------|-----------|
| 0    | 3,990     | 4,042     | 4,060     | 4,117     | 4,218     |
| 1    | 3,971     | 4,071     | 4,065     | 4,132     | 4,239     |
| 2    | 3,966     | 4,093     | 4,066     | 4,118     | 4,248     |
| 3    | 3,965     | 4,145     | 4,069     | 4,129     | 4,236     |
| 4    | 3,959     | 4,153     | 4,076     | 4,130     | 4,229     |
| 5    | 3,972     | 4,170     | 4,082     | 4,133     | 4,204     |
| 6    | 3,957     | 4,171     | 4,074     | 4,135     | 4,182     |
| 7    | 3,954     | 4,161     | 4,065     | 4,128     | 4,181     |
| 8    | 3,961     | 4,107     | 4,047     | 4,138     | 4,169     |
| 9    | 3,971     | 4,077     | 4,048     | 4,112     | 4,162     |
| 10   | 3,970     | 4,016     | 4,052     | 4,126     | 4,173     |
| 11   | 3,956     | 4,026     | 4,068     | 4,140     | 4,178     |
| 12   | 3,950     | 4,035     | 4,068     | 4,189     | 4,179     |
| 13   | 3,951     | 4,062     | 4,079     | 4,172     | 4,196     |
| 14   | 3,956     | 4,043     | 4,085     | 4,168     | 4,178     |
| 15   | 3,936     | 4,066     | 4,096     | 4,157     | 4,178     |
| 16   | 3,939     | 4,049     | 4,091     | 4,132     | 4,187     |
| 17   | 3,924     | 4,047     | 4,092     | 4,148     | 4,185     |
| 18   | 3,935     | 4,048     | 4,101     | 4,140     | 4,175     |
| 19   | 3,943     | 4,046     | 4,082     | 4,143     | 4,161     |
| 20   | 3,949     | 4,050     | 4,096     | 4,144     | 4,151     |
| 21   | 3,970     | 4,063     | 4,097     | 4,137     | 4,143     |
| 22   | 3,974     | 4,064     | 4,088     | 4,132     | 4,143     |
| 23   | 4,012     | 4,090     | 4,121     | 4,184     | 4,152     |

Frankley Road

| Hour | 24-Feb-20 | 25-Feb-20 | 26-Feb-20 | 27-Feb-20 | 28-Feb-20 |
|------|-----------|-----------|-----------|-----------|-----------|
| 0    | 404       | 2,656     | 912       | 152       | 272       |
| 1    | -         | 2,540     | 1,616     | 764       | 328       |
| 2    | -         | 2,788     | 1,496     | 1,516     | 608       |
| 3    | -         | 2,788     | 1,452     | 1,660     | 680       |
| 4    | -         | 3,775     | 2,420     | 2,660     | 456       |
| 5    | -         | 3,343     | 2,568     | 2,900     | 532       |
| 6    | 16        | 3,098     | 2,496     | 3,148     | 1,148     |
| 7    | 732       | 2,961     | 2,228     | 3,580     | 1,232     |
| 8    | 1,624     | 2,356     | 2,000     | 3,727     | 1,424     |
| 9    | 1,732     | 2,548     | 1,980     | 3,519     | 1,408     |
| 10   | 1,872     | 2,292     | 2,032     | 3,226     | 1,168     |
| 11   | 1,808     | 2,176     | 1,804     | 3,149     | 1,212     |
| 12   | 1,672     | 1,876     | 1,464     | 1,905     | 1,856     |
| 13   | 1,608     | 1,348     | 1,260     | 1,244     | 1,988     |
| 14   | 1,960     | 760       | 536       | 1,481     | 1,872     |
| 15   | 1,604     | 532       | 336       | 1,345     | 1,848     |
| 16   | 1,388     | 456       | 324       | 1,593     | 1,700     |
| 17   | 1,600     | 4         | 88        | 1,741     | 1,584     |
| 18   | 1,788     | -         | 80        | 1,414     | 1,404     |
| 19   | 1,888     | -         | 132       | 1,376     | 1,436     |
| 20   | 1,940     | -         | 76        | 896       | 1,148     |
| 21   | 1,820     | -         | -         | 204       | 796       |
| 22   | 2,176     | 84        | 76        | -         | 796       |
| 23   | 2,680     | 312       | 100       | -         | 744       |