



## REGULATORY DISCLOSURE

# Gas transmission services: Peak flow disclosure

Year ended 30 September 2024



## Introduction

Clarus is one of New Zealand's largest energy groups. Whether it's transmission, distribution, supply or storage of energy, the companies within the Clarus group service over half a million homes and businesses of all sizes around New Zealand.

Firstgas connects over 300,000 homes and businesses with natural gas through its gas distribution and high-pressure transmission systems. This essential infrastructure supports New Zealand's economy, so the group is committed to helping customers maximise value from it.

Flexgas provides energy storage services to electricity generators, offering an important source of flexibility to the electricity system and supporting high levels of intermittent wind, hydro and solar generation.

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

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

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

Clarus was previously known as Firstgas Group.

## Compliance statement

This document is a regulatory disclosure prepared pursuant to section 2.5.2 of the *Gas Transmission Information Disclosure Determination 2012* consolidating all amendments as of 24 March 2015 issued by the Commerce Commission. The regulatory disclosure covers Firstgas; as' gas transmission business (both the Maui and Non-Maui transmission systems) for the 12-month period ending 30 September 2024.

This regulatory disclosure was prepared on 28th November 2024.

## Further information

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## **Disclaimer**

The regulatory disclosure covers Firstgas gas transmission business, 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 >2000 GIGAJOULES DURING PEAK FLOW PERIOD	SYSTEM PEAK FLOW		OFFTAKE PEAK FLOW	
		Period Ending	Throughput (GJ)	Period Ending	Throughput (GJ)
Rotowaro North (Total Rotowaro CEN Flow)		09-Aug-24	292,326		
Bruce McLaren	09-Aug-24	7,869	09-Aug-24	7,869	
Drury	09-Aug-24	5,625	09-Aug-24	5,625	
Flat Bush	09-Aug-24	6,046	22-Mar-24	6,576	
Glenbrook	09-Aug-24	35,092	28-Jun-24	35,512	
Harrisville 2	09-Aug-24	7,445	05-Jul-24	7,990	
Henderson	09-Aug-24	11,667	05-Jul-24	11,921	
Hunua	09-Aug-24	6,467	09-Aug-24	6,467	
Kauri	09-Aug-24	8,552	20-Sep-24	10,887	
Maungaturoto	09-Aug-24	5,522	06-Sep-24	9,425	
Papakura	09-Aug-24	57,479	23-Aug-24	71,656	
Tuakau	09-Aug-24	3,016	13-Oct-23	8,739	
Waikumete	09-Aug-24	25,087	31-May-24	27,380	
Waitoki	09-Aug-24	4,255	09-Aug-24	4,255	
Warkworth	09-Aug-24	5,511	05-Jul-24	5,925	
Westfield	09-Aug-24	95,011	26-Jul-24	118,402	
Whangarei	09-Aug-24	2,456	05-Jul-24	2,565	

**Note:**

1. The North system peak flow period was identified as the period ending 09 August 2024.
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.

## 1.2 Central North System

INTAKE POINTS	OFFTAKE POINTS >2000 GIGAJOULES DURING PEAK FLOW PERIOD	SYSTEM PEAK FLOW		OFFTAKE PEAK FLOW	
		Period Ending	Throughput (GJ)	Period Ending	Throughput (GJ)
Rotowaro South (Total Rotowaro minus Rotowaro North)		06-Oct-23	122,084		
Cambridge		06-Oct-23	10,122	20-Sep-24	10,448
Hamilton Te Kowhai		06-Oct-23	7,520	05-Jul-24	13,326
Hamilton Temple View		06-Oct-23	18,915	09-Aug-24	22,626
Horotiu		06-Oct-23	6,033	08-Dec-23	7,120
Kiwitahi (Peroxide)		06-Oct-23	4,603	03-May-24	4,613
Morrinsville DF		06-Oct-23	4,277	05-Jul-24	4,526
Pokuru 2 (to BOP)		06-Oct-23	21,712	08-Mar-24	39,864
Tatuanui DF		06-Oct-23	6,777	30-Aug-24	7,135
Te Rapa DF		06-Oct-23	33,185	13-Oct-23	37,451
Waitoa		06-Oct-23	7,172	24-May-24	9,147

**Note:**

1. The Central North system peak flow period was identified as the period ending 06 October 2023.
2. Consistent with the Asset Management Plan, the duration of the peak flow period is 5 days (Monday to Friday inclusive). This is for both the system peak flow period and the offtake peak flow period.
3. Te Rapa Cogen's offtake was included when calculating the system peak flow period. Te Rapa Cogen shut down mid-year however the (smaller) Te Rapa Dairy Factory load remains
4. The Temple View main line valve on the 200 line was open during FY23. The offtake at Pokuru 2 all came from the north (Rotowaro Compressor Station)

### 1.3 Central South System

INTAKE POINTS	OFFTAKE POINTS >2000 GIGAJOULES DURING PEAK FLOW PERIOD	SYSTEM PEAK FLOW		OFFTAKE PEAK FLOW	
		Period Ending	Throughput (GJ)	Period Ending	Throughput (GJ)
Kapuni		02-Aug-24	20,979		
	New Plymouth	02-Aug-24	14,692	05-Jul-24	15,031

**Note:**

1. The Central South system peak flow period was identified as the period ending 2 August 2024.
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. The 200 line was closed north of New Plymouth and supplied none of the Pokuru 2 Offtake during the year

### 1.4 Bay of Plenty System

INTAKE POINTS	OFFTAKE POINTS >2000 GIGAJOULES DURING PEAK FLOW PERIOD	SYSTEM PEAK FLOW		OFFTAKE PEAK FLOW	
		Period Ending	Throughput	Period Ending	Throughput
			(GJ)		(GJ)
Pokuru 1		24-Nov-23	163,199		
Pokuru 2		24-Nov-23	-		
Edgecumbe DF		24-Nov-23	14,204	13-Oct-23	19,814
Gisborne		24-Nov-23	3,309	17-May-24	7,491
Kawerau (Caxton)		24-Nov-23	3,200	27-Oct-23	3,620
Kawerau (Tasman)		24-Nov-23	9,277	24-Nov-23	9,277
Kinleith (CHH Mill)		24-Nov-23	53,052	28-Jun-24	61,889
Lichfield 2		24-Nov-23	15,998	20-Sep-24	19,141
Lichfield DF		24-Nov-23	9,013	10-Nov-23	9,402
Mt Maunganui		24-Nov-23	8,098	15-Dec-23	11,056
Pyes Pa		24-Nov-23	2,414	09-Aug-24	3,157
Reporoa		24-Nov-23	7,917	20-Sep-24	8,591
Rotorua		24-Nov-23	3,255	12-Jul-24	7,065
Tauriko		24-Nov-23	7,749	23-Aug-24	9,268
Whakatane		24-Nov-23	12,172	09-Aug-24	15,611

**Note:**

1. The Bay of Plenty system peak flow period was identified as the period ending 24 November 2023.
2. Consistent with the Asset Management Plan, the duration of the peak flow period is 5 days (Monday to Friday inclusive). This is for both the system peak flow period and the offtake peak flow period.

## 1.5 South System

INTAKE POINTS	OFFTAKE POINTS >2000 GIGAJOULES DURING PEAK FLOW PERIOD	SYSTEM PEAK FLOW		OFFTAKE PEAK FLOW	
		Period Ending	Throughput (GJ)	Period Ending	Throughput (GJ)
Kapuni (South)		10-May-24	178,266		
Rimu Production Station		10-May-24	-		
Belmont		10-May-24	23,401	05-Jul-24	27,295
Feilding		10-May-24	4,316	10-May-24	4,316
Hastings		10-May-24	39,761	10-May-24	39,761
Hawera		10-May-24	3,829	31-May-24	5,082
Levin		10-May-24	4,103	31-May-24	4,225
Longburn		10-May-24	3,096	20-Sep-24	3,760
Marton		10-May-24	2,991	06-Oct-23	3,096
Pahiatua DF		10-May-24	7,163	06-Oct-23	16,072
Palmerston North		10-May-24	14,980	05-Jul-24	17,229
Waitangirua (Hutt Valley)		10-May-24	5,413	05-Jul-24	7,024
Wanganui		10-May-24	16,305	20-Sep-24	18,364
Wellington (Tawa)		10-May-24	42,918	02-Aug-24	51,065

**Note:**

1. The South system peak flow period was identified as the period ending 10 May 2024.
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.

## 1.6 Frankley Road System

INTAKE POINTS	OFFTAKE POINTS >2000 GIGAJOULES DURING PEAK FLOW PERIOD	SYSTEM PEAK FLOW		OFFTAKE PEAK FLOW	
		Period Ending	Throughput (GJ)	Period Ending	Throughput (GJ)
Kupe Production Station		06-Sep-24	222,637		
Kaimiro		06-Sep-24	26,158		
Frankley Road Receipt		06-Sep-24	334,298		
Cheal Mixing Station		06-Sep-24	5,222		
Stratford 3 Receipt		06-Sep-24	-		
	Stratford 3 Delivery	06-Sep-24	325,088	06-Sep-24	325,088
	Stratford 2	06-Sep-24	74,928	15-Dec-23	99,612
	AUP	06-Sep-24	102,792	24-May-24	106,126
	Maui Bypass	06-Sep-24	89,101	12-Apr-24	226,010

**Note:**

1. The Frankley Road system peak flow period was identified as the period ending 6 September 2024.
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.

## 1.7 Maui System

INTAKE POINTS	OFFTAKE POINTS >2000 GIGAJOULES DURING PEAK FLOW PERIOD	SYSTEM PEAK FLOW		OFFTAKE PEAK FLOW	
		Period Ending	Throughput	Period Ending	Throughput
			(GJ)		(GJ)
Oaonui		06-Oct-23	510,304		
Tikorangi 1		06-Oct-23	-		
Tikorangi 2		06-Oct-23	96,668		
Tikorangi 3		06-Oct-23	386,432		
Kowhai		06-Oct-23	139,682		
Ngatimaru Road		06-Oct-23	275,234		
Turangi		06-Oct-23	169,280		
Frankley Road		06-Oct-23	38,352		
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Bertrand Road		06-Oct-23	229,280	05-Apr-24	283,852
Frankley Road		06-Oct-23	120,264	30-Aug-24	350,854
Hunly Power Station		06-Oct-23	158,756	13-Sep-24	312,548
Mangorei		06-Oct-23	7,612	10-May-24	112,892
Ngatimaru Road		06-Oct-23	557,344	20-Oct-23	565,412
Pirongia		06-Oct-23	8,200	19-Apr-24	11,738
Pokuru 1		06-Oct-23	129,121	24-Nov-23	163,199
Rotowaro		06-Oct-23	386,686	06-Oct-23	386,686
Te Kuiti South		06-Oct-23	2,377	17-May-24	3,984

**Note:**

1. The Maui system peak flow period was identified as the period ending 6 October 2023.
2. Consistent with the Asset Management Plan, the duration of the peak flow period is 5 days (Monday to Friday inclusive). This is for both the system peak flow period and the offtake peak flow period.

## 2. Peak hourly information

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

### 2.1 North System

#### Bruce McLaren

Hour	5-Aug-2024	6-Aug-2024	7-Aug-2024	8-Aug-2024	9-Aug-2024
0	32	43	43	45	36
1	31	42	42	47	36
2	33	44	43	44	39
3	34	40	43	40	36
4	38	47	48	45	46
5	50	55	56	55	51
6	65	77	73	69	69
7	83	91	90	83	82
8	89	94	99	89	92
9	87	89	95	87	89
10	81	84	87	85	86
11	80	83	83	85	85
12	77	79	82	83	83
13	72	73	78	81	77
14	68	71	71	77	72
15	64	67	63	72	64
16	66	64	65	75	65
17	71	73	68	71	67
18	75	78	69	67	72
19	76	80	73	71	73
20	70	71	72	68	67
21	63	66	63	61	61
22	54	59	56	51	53
23	46	47	49	43	43

Drury

Hour	5-Aug-2024	6-Aug-2024	7-Aug-2024	8-Aug-2024	9-Aug-2024
0	34	73	73	71	52
1	43	73	72	69	53
2	56	76	73	63	63
3	63	69	74	57	58
4	67	66	75	58	62
5	65	72	77	48	72
6	72	76	77	54	70
7	67	68	70	46	50
8	42	40	49	30	45
9	39	36	35	39	36
10	35	35	34	35	34
11	35	35	35	41	35
12	36	34	37	35	34
13	34	35	33	35	34
14	35	35	36	37	35
15	36	37	35	32	36
16	41	37	36	38	38
17	17	24	22	21	23
18	23	27	28	13	26
19	28	31	36	19	33
20	40	31	34	27	43
21	53	55	64	23	59
22	66	62	64	33	65
23	69	68	69	55	65

Flat Bush

Hour	5-Aug-2024	6-Aug-2024	7-Aug-2024	8-Aug-2024	9-Aug-2024
0	19	31	31	32	31
1	11	31	31	35	32
2	22	30	29	30	31
3	22	30	27	27	29
4	43	30	28	26	35
5	38	31	47	32	46
6	47	40	54	41	52
7	44	53	66	51	66
8	56	69	74	70	71
9	56	66	77	74	71
10	59	67	76	74	70
11	64	69	82	80	73
12	66	63	74	78	71
13	66	65	64	70	59
14	51	62	65	70	51
15	49	63	60	72	47
16	52	61	62	64	41
17	55	56	55	53	39
18	56	58	58	58	42
19	59	57	60	61	35
20	54	56	57	59	47
21	47	51	57	54	38
22	39	34	43	38	33
23	33	33	40	35	18

Glenbrook

Hour	5-Aug-2024	6-Aug-2024	7-Aug-2024	8-Aug-2024	9-Aug-2024
0	350	213	360	283	328
1	287	208	329	276	369
2	312	235	340	284	291
3	355	239	390	267	309
4	293	215	364	267	321
5	331	247	378	260	315
6	390	292	355	259	397
7	325	318	319	258	406
8	338	330	280	256	413
9	331	350	274	233	358
10	310	343	297	218	266
11	313	314	281	219	220
12	296	309	271	238	207
13	234	295	264	246	228
14	289	320	276	263	287
15	297	401	261	246	245
16	250	304	262	203	210
17	285	258	265	209	227
18	367	277	260	213	240
19	370	324	276	224	235
20	322	374	266	232	273
21	242	381	272	287	357
22	207	342	275	314	401
23	224	317	277	326	398

Harrisville 2

Hour	5-Aug-2024	6-Aug-2024	7-Aug-2024	8-Aug-2024	9-Aug-2024
0	44	58	69	47	15
1	51	66	71	50	30
2	55	75	79	50	58
3	63	79	87	34	61
4	65	65	88	36	55
5	72	75	103	43	70
6	88	102	105	57	93
7	110	105	101	76	89
8	83	75	83	81	94
9	77	75	65	63	94
10	92	88	70	95	102
11	94	88	70	100	102
12	94	85	77	102	93
13	88	85	89	107	80
14	86	85	103	103	77
15	98	99	105	100	88
16	77	61	78	71	66
17	22	39	61	28	19
18	12	13	29	13	8
19	9	15	32	12	10
20	11	15	30	11	11
21	14	14	27	12	10
22	60	34	19	10	10
23	62	61	42	12	26

Henderson

Hour	5-Aug-2024	6-Aug-2024	7-Aug-2024	8-Aug-2024	9-Aug-2024
0	1	2	5	9	2
1	0	0	2	3	0
2	0	0	1	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	8	14	14	0	0
6	84	137	111	96	37
7	211	222	223	213	174
8	240	247	244	233	192
9	172	176	188	177	121
10	141	135	149	151	77
11	118	132	111	143	73
12	104	112	92	149	55
13	88	104	95	147	48
14	77	68	60	135	35
15	89	58	49	116	20
16	122	68	88	121	27
17	162	138	145	160	89
18	206	201	193	200	153
19	221	218	227	220	161
20	191	198	210	191	135
21	149	147	155	152	95
22	74	75	77	59	42
23	27	20	31	21	6

Hunua

Hour	5-Aug-2024	6-Aug-2024	7-Aug-2024	8-Aug-2024	9-Aug-2024
0	48	52	51	43	56
1	48	52	55	47	55
2	46	53	56	52	58
3	52	51	55	51	60
4	51	50	52	44	55
5	57	49	53	47	51
6	60	54	54	55	56
7	56	59	55	53	55
8	58	56	64	55	49
9	58	60	59	62	50
10	59	63	55	53	50
11	57	59	30	50	48
12	58	60	52	52	48
13	59	62	63	52	45
14	58	61	57	53	46
15	51	64	53	61	45
16	54	63	58	60	45
17	56	58	57	63	50
18	57	60	52	54	46
19	58	64	64	55	48
20	62	58	54	56	40
21	55	57	44	55	41
22	53	56	51	61	44
23	57	56	51	58	38

Kauri

Hour	5-Aug-2024	6-Aug-2024	7-Aug-2024	8-Aug-2024	9-Aug-2024
0	99	102	107	101	44
1	100	101	105	103	67
2	99	101	107	104	64
3	98	96	113	106	67
4	102	103	112	102	64
5	102	103	112	102	61
6	107	104	112	105	61
7	106	91	112	106	65
8	85	71	107	105	63
9	29	68	102	97	67
10	24	61	75	71	64
11	29	52	68	61	62
12	34	20	62	64	66
13	21	17	54	62	66
14	22	22	67	24	68
15	30	46	63	16	66
16	42	71	25	15	75
17	86	63	32	18	60
18	103	73	31	22	64
19	103	69	68	14	50
20	101	79	109	12	23
21	99	104	103	10	23
22	103	108	105	10	27
23	104	108	101	17	51

Maungaturoto

Hour	5-Aug-2024	6-Aug-2024	7-Aug-2024	8-Aug-2024	9-Aug-2024
0	62	43	30	44	66
1	58	42	31	48	69
2	56	44	34	43	70
3	61	42	44	43	69
4	64	45	46	45	69
5	64	43	43	42	62
6	65	45	45	40	57
7	66	41	36	56	59
8	64	42	32	60	62
9	61	43	31	57	63
10	54	40	30	53	60
11	45	42	32	54	51
12	39	35	35	56	47
13	41	27	36	60	44
14	41	28	42	57	28
15	43	31	43	58	39
16	37	29	45	65	49
17	29	19	41	59	42
18	37	18	43	60	54
19	37	19	38	61	56
20	35	17	37	61	57
21	35	18	37	66	57
22	37	22	39	65	42
23	42	25	44	67	41

Papakura

Hour	5-Aug-2024	6-Aug-2024	7-Aug-2024	8-Aug-2024	9-Aug-2024
0	439	463	461	457	443
1	432	458	461	451	447
2	438	456	458	455	445
3	438	457	461	452	444
4	438	458	468	455	452
5	463	477	486	465	461
6	483	504	510	489	484
7	504	518	532	514	512
8	508	510	531	509	504
9	499	495	509	500	485
10	470	485	484	494	472
11	463	481	473	498	468
12	463	477	470	493	476
13	466	483	470	491	474
14	463	476	472	488	472
15	475	474	475	488	471
16	480	478	487	489	481
17	486	493	498	498	489
18	496	514	510	503	491
19	497	511	509	505	486
20	495	504	500	495	478
21	486	494	490	477	468
22	475	481	474	464	457
23	461	472	462	449	448

Tuakau

Hour	5-Aug-2024	6-Aug-2024	7-Aug-2024	8-Aug-2024	9-Aug-2024
0	6	11	13	22	10
1	7	11	13	14	16
2	8	10	11	15	10
3	7	10	13	14	15
4	6	10	13	22	15
5	10	10	15	27	36
6	31	22	19	43	38
7	32	28	29	24	43
8	38	27	28	33	69
9	33	18	34	41	69
10	23	25	29	65	70
11	20	29	29	27	69
12	23	26	36	30	68
13	23	32	30	30	72
14	15	29	23	20	63
15	14	33	24	23	46
16	14	17	16	33	50
17	17	15	17	26	41
18	12	19	26	26	36
19	13	16	28	18	36
20	11	16	16	25	28
21	20	17	27	22	17
22	14	15	27	22	21
23	15	19	19	22	20

Waikumete

Hour	5-Aug-2024	6-Aug-2024	7-Aug-2024	8-Aug-2024	9-Aug-2024
0	130	144	143	147	141
1	128	135	136	141	129
2	125	133	134	133	124
3	120	131	129	128	118
4	124	134	132	128	118
5	148	157	160	145	138
6	218	233	232	220	207
7	288	299	301	281	274
8	291	290	304	285	274
9	263	267	267	260	248
10	238	247	245	249	232
11	226	237	232	245	222
12	218	221	229	244	215
13	216	215	220	242	210
14	211	200	205	234	201
15	211	190	195	218	187
16	218	196	209	219	190
17	245	229	247	244	222
18	272	266	276	269	248
19	274	271	280	271	248
20	256	263	265	254	236
21	229	233	237	232	220
22	190	199	200	192	189
23	163	158	170	161	157

Waitoki

Hour	5-Aug-2024	6-Aug-2024	7-Aug-2024	8-Aug-2024	9-Aug-2024
0	21	23	22	22	11
1	20	21	19	21	7
2	18	21	18	16	5
3	8	21	19	8	6
4	8	21	18	8	7
5	16	26	20	18	14
6	34	35	36	35	29
7	55	58	58	54	53
8	55	52	55	55	51
9	41	35	37	41	43
10	34	37	30	37	36
11	28	28	30	38	30
12	28	28	27	42	37
13	27	26	26	34	26
14	32	25	25	31	23
15	39	22	23	32	24
16	35	27	29	39	28
17	49	45	46	50	44
18	66	64	64	66	58
19	82	76	67	67	59
20	74	82	58	56	50
21	67	64	50	44	41
22	43	42	43	30	31
23	29	28	29	16	20

Warkworth

Hour	5-Aug-2024	6-Aug-2024	7-Aug-2024	8-Aug-2024	9-Aug-2024
0	17	27	32	31	26
1	17	34	32	36	25
2	14	37	48	39	53
3	22	66	70	64	61
4	27	73	73	73	64
5	32	75	82	70	66
6	45	87	89	84	72
7	38	65	66	36	45
8	55	60	60	56	61
9	49	55	53	41	55
10	65	72	71	64	72
11	74	63	70	47	75
12	74	63	70	43	72
13	58	64	63	52	69
14	45	57	51	46	70
15	24	55	57	49	47
16	36	46	37	47	35
17	24	22	22	41	28
18	24	26	22	24	18
19	34	30	30	26	29
20	21	30	31	26	26
21	18	29	33	31	27
22	26	31	32	29	28
23	24	29	30	26	26

Westfield

Hour	5-Aug-2024	6-Aug-2024	7-Aug-2024	8-Aug-2024	9-Aug-2024
0	312	448	453	450	388
1	290	396	417	380	335
2	267	384	373	326	305
3	285	343	351	311	300
4	352	402	442	356	353
5	510	568	589	516	490
6	803	898	911	882	803
7	1,136	1,244	1,236	1,198	1,122
8	1,168	1,197	1,222	1,137	1,132
9	1,039	1,120	1,087	978	1,004
10	951	1,044	1,028	977	973
11	922	1,016	960	948	916
12	812	932	890	927	911
13	781	924	838	962	830
14	760	815	740	898	754
15	801	767	710	819	731
16	854	839	800	877	775
17	971	974	960	1,005	959
18	1,141	1,122	1,104	1,122	1,042
19	1,138	1,139	1,109	1,130	1,052
20	1,043	1,055	1,016	1,009	959
21	930	906	893	860	844
22	702	719	696	669	640
23	536	551	549	495	484

Whangarei

Hour	5-Aug-2024	6-Aug-2024	7-Aug-2024	8-Aug-2024	9-Aug-2024
0	8	9	10	10	10
1	9	9	10	9	9
2	9	9	10	9	9
3	9	9	10	10	9
4	11	12	12	11	11
5	17	17	17	17	15
6	24	25	26	26	24
7	30	30	33	35	29
8	31	33	36	36	35
9	32	33	36	34	31
10	30	31	31	29	29
11	26	27	29	30	27
12	23	27	27	32	24
13	23	26	25	29	23
14	21	25	26	25	22
15	19	22	23	25	18
16	18	21	22	22	18
17	21	22	22	24	24
18	21	23	24	24	24
19	21	22	23	23	24
20	18	20	20	19	21
21	15	16	16	16	17
22	12	13	12	12	13
23	10	11	11	10	11

## 2.2 Central North System

### Cambridge

Hour	02-Oct-23	03-Oct-23	04-Oct-23	05-Oct-23	06-Oct-23
0	75	84	91	88	75
1	76	76	86	84	75
2	80	61	97	83	75
3	82	69	102	83	77
4	84	95	103	90	80
5	95	105	111	96	86
6	104	112	113	108	90
7	87	97	98	97	90
8	84	91	84	81	87
9	88	86	96	100	89
10	81	77	86	72	86
11	85	89	89	71	84
12	88	94	93	73	69
13	87	93	83	70	69
14	84	89	64	68	78
15	86	87	65	71	76
16	94	91	67	71	80
17	99	89	69	77	80
18	96	93	70	88	87
19	81	94	80	92	88
20	72	97	69	88	78
21	73	77	68	85	82
22	71	88	87	75	80
23	77	84	85	65	79

## Hamiton Te Kowhai

Hour	02-Oct-23	03-Oct-23	04-Oct-23	05-Oct-23	06-Oct-23
0	15	24	43	42	23
1	13	21	44	29	22
2	14	22	41	23	21
3	20	25	34	28	22
4	32	37	50	42	32
5	58	72	90	77	58
6	95	116	132	118	85
7	92	119	137	115	87
8	90	106	116	97	91
9	81	88	101	87	76
10	70	76	80	85	73
11	70	73	79	77	70
12	63	68	85	62	59
13	61	57	62	52	49
14	57	56	56	53	45
15	63	56	53	53	47
16	75	66	61	56	55
17	90	85	75	67	63
18	87	100	88	74	66
19	77	100	95	74	65
20	65	84	85	62	56
21	58	63	63	48	48
22	42	44	43	37	35
23	30	35	34	29	26

## Hamilton Temple View

Hour	02-Oct-23	03-Oct-23	04-Oct-23	05-Oct-23	06-Oct-23
0	92	77	121	84	100
1	87	74	119	76	97
2	89	76	123	79	100
3	101	84	128	88	104
4	132	122	167	133	139
5	171	178	234	186	175
6	196	232	290	244	204
7	192	237	288	230	196
8	176	218	249	208	189
9	169	201	219	190	171
10	163	178	195	178	169
11	157	171	190	185	155
12	153	168	180	172	142
13	140	143	141	149	127
14	130	153	135	138	117
15	157	150	132	145	136
16	181	173	153	175	153
17	206	197	177	192	165
18	202	235	194	196	169
19	190	235	194	199	164
20	161	207	180	182	149
21	129	177	133	151	131
22	97	154	111	129	103
23	82	136	82	108	82

Horotiu

Hour	02-Oct-23	03-Oct-23	04-Oct-23	05-Oct-23	06-Oct-23
0	44	44	46	48	45
1	45	45	47	47	44
2	44	45	46	45	44
3	49	47	46	48	45
4	56	56	27	58	45
5	63	52	51	75	50
6	73	40	47	70	46
7	44	45	44	75	49
8	37	55	49	71	49
9	36	39	37	64	40
10	62	57	49	45	15
11	63	72	48	43	4
12	69	72	48	57	4
13	70	71	63	77	7
14	71	64	76	50	12
15	75	62	75	51	27
16	75	64	76	49	46
17	72	58	66	47	49
18	71	49	60	50	46
19	55	45	46	46	45
20	46	46	46	47	45
21	46	44	45	43	45
22	45	45	46	44	44
23	45	46	47	45	44

Kiwitahi (Degussa)

Hour	02-Oct-23	03-Oct-23	04-Oct-23	05-Oct-23	06-Oct-23
0	31	34	38	39	39
1	31	35	38	40	40
2	31	34	38	39	38
3	31	33	38	39	40
4	32	33	41	40	39
5	29	33	41	39	37
6	30	34	42	39	38
7	28	38	41	38	39
8	29	38	42	38	41
9	33	42	44	40	42
10	34	42	42	39	41
11	33	42	42	41	41
12	35	43	41	41	41
13	35	41	39	41	41
14	35	40	41	42	41
15	36	40	41	42	39
16	34	39	40	42	39
17	35	42	41	42	39
18	35	41	41	40	39
19	35	41	41	40	41
20	37	41	41	38	41
21	35	40	38	38	40
22	35	41	38	40	41
23	36	40	38	40	40

Morrinsville DF

Hour	02-Oct-23	03-Oct-23	04-Oct-23	05-Oct-23	06-Oct-23
0	14	21	42	54	36
1	14	40	42	62	36
2	14	40	41	62	36
3	15	39	41	60	29
4	17	40	41	65	17
5	14	41	45	62	16
6	4	44	41	64	16
7	9	41	46	72	13
8	12	40	46	73	4
9	14	45	47	74	4
10	14	42	45	72	7
11	15	41	49	70	15
12	16	42	56	64	12
13	20	41	56	61	18
14	21	41	50	30	37
15	17	41	40	34	43
16	15	41	38	28	44
17	17	40	49	42	42
18	15	38	49	49	38
19	15	37	36	49	39
20	13	22	31	40	38
21	17	20	42	40	38
22	17	18	52	40	38
23	16	22	50	41	40

Pokuru OT to BOP

Hour	02-Oct-23	03-Oct-23	04-Oct-23	05-Oct-23	06-Oct-23
0	288	356	308	0	284
1	288	360	300	0	284
2	284	352	296	0	288
3	288	360	308	0	284
4	284	352	276	0	284
5	288	356	200	0	288
6	284	316	48	0	284
7	284	256	0	0	280
8	288	264	0	0	204
9	288	288	0	0	228
10	288	308	0	0	112
11	284	288	0	0	120
12	300	276	0	0	80
13	416	304	0	0	0
14	408	296	0	0	0
15	348	288	0	136	0
16	320	192	0	284	0
17	304	0	0	284	0
18	300	232	0	284	0
19	320	240	0	288	0
20	368	256	0	284	4
21	396	272	0	288	0
22	356	304	0	284	0
23	356	304	0	284	88

Tatuanui DF

Hour	02-Oct-23	03-Oct-23	04-Oct-23	05-Oct-23	06-Oct-23
0	56	64	66	52	60
1	51	68	64	50	55
2	47	68	66	48	54
3	48	66	65	46	51
4	45	48	64	46	49
5	47	57	63	47	49
6	53	65	64	50	53
7	52	60	62	51	43
8	49	51	64	48	44
9	49	51	55	45	41
10	47	64	52	46	39
11	48	60	61	33	43
12	50	58	61	36	59
13	50	57	64	50	63
14	55	54	65	60	62
15	51	53	65	59	60
16	48	55	64	59	60
17	56	56	63	60	62
18	63	60	63	63	62
19	63	61	60	70	55
20	62	62	56	68	56
21	64	61	57	68	61
22	67	60	56	66	62
23	66	63	54	62	64

Te Rapa DF

Hour	02-Oct-23	03-Oct-23	04-Oct-23	05-Oct-23	06-Oct-23
0	292	185	396	388	276
1	260	172	388	388	272
2	184	172	388	376	260
3	212	184	392	384	260
4	264	200	384	376	280
5	288	192	376	320	280
6	292	196	380	216	320
7	284	192	308	176	328
8	268	212	288	160	344
9	280	208	292	104	352
10	300	248	316	68	364
11	300	256	316	68	372
12	292	260	352	64	344
13	288	268	336	68	356
14	276	280	324	64	368
15	276	292	340	68	368
16	244	288	364	64	376
17	224	328	344	88	373
18	228	340	348	92	360
19	212	356	364	92	359
20	176	344	368	116	366
21	184	388	384	120	370
22	204	388	396	128	380
23	196	384	396	200	372

Waitoa

Hour	02-Oct-23	03-Oct-23	04-Oct-23	05-Oct-23	06-Oct-23
0	6	61	73	72	67
1	7	58	70	71	65
2	11	64	74	74	65
3	13	66	75	69	67
4	20	68	70	71	67
5	20	66	73	71	64
6	23	68	77	70	70
7	17	64	72	67	64
8	18	63	69	67	64
9	17	60	67	65	69
10	16	61	65	64	67
11	18	61	65	63	68
12	28	63	65	65	67
13	27	66	67	65	65
14	42	69	68	65	63
15	44	67	67	62	64
16	41	68	66	64	64
17	48	68	65	65	63
18	49	66	65	65	62
19	53	68	63	64	62
20	61	71	69	71	66
21	60	68	72	69	66
22	59	69	66	66	66
23	60	70	70	67	71

## 2.3 Central South System

New Plymouth

Hour	04-Mar-24	05-Mar-24	06-Mar-24	07-Mar-24	08-Mar-24
0	41	44	60	71	66
1	33	48	64	68	59
2	35	44	53	56	46
3	39	44	53	58	47
4	46	52	59	63	53
5	68	80	82	80	76
6	96	111	116	105	107
7	88	103	108	103	104
8	73	90	91	100	96
9	75	82	84	87	94
10	70	75	92	82	86
11	68	72	78	82	84
12	76	77	77	77	84
13	71	75	78	78	68
14	77	71	78	81	73
15	84	68	74	90	73
16	91	81	85	101	79
17	103	90	92	107	83
18	100	90	93	101	87
19	89	93	93	96	82
20	73	95	97	92	85
21	66	85	82	88	77
22	59	69	79	66	72
23	47	62	72	49	60

## 2.4 Bay of Plenty System

### Edgecumbe DF

Hour	20-Nov-2023	21-Nov-2023	22-Nov-2023	23-Nov-2023	24-Nov-2023
0	125	86	131	123	120
1	126	95	133	123	117
2	128	125	135	128	120
3	131	123	135	123	126
4	129	114	134	129	130
5	119	116	133	130	130
6	116	104	133	128	116
7	116	107	127	115	114
8	117	110	108	101	122
9	119	112	84	92	125
10	104	110	69	95	130
11	113	115	69	100	139
12	128	119	82	102	130
13	132	123	108	117	130
14	126	123	123	125	131
15	122	121	129	135	130
16	112	120	138	129	128
17	84	136	132	125	118
18	86	131	133	122	124
19	98	130	132	111	123
20	98	127	123	116	125
21	88	127	120	117	130
22	84	128	116	120	133
23	83	126	122	116	130

Gisborne

Hour	20-Nov-2023	21-Nov-2023	22-Nov-2023	23-Nov-2023	24-Nov-2023
0	10	14	19	16	14
1	10	16	19	19	14
2	12	18	20	19	15
3	15	16	20	18	19
4	25	20	24	21	19
5	21	27	30	29	25
6	32	39	40	38	33
7	31	34	39	35	33
8	30	37	36	36	31
9	29	36	38	36	30
10	30	38	37	33	33
11	33	36	39	31	34
12	34	38	34	29	33
13	31	35	33	29	34
14	28	34	30	27	31
15	26	34	29	23	33
16	29	36	31	26	35
17	32	35	36	28	40
18	30	36	33	29	37
19	26	35	30	27	34
20	24	29	29	25	29
21	21	25	22	19	26
22	16	19	21	18	24
23	15	21	18	16	21

Kawerau (Caxton)

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

Kawerau (Tasman)

Hour	20-Nov-2023	21-Nov-2023	22-Nov-2023	23-Nov-2023	24-Nov-2023
0	79	79	78	81	80
1	79	78	79	81	80
2	78	78	79	81	80
3	79	78	79	81	80
4	78	78	79	81	81
5	78	78	79	81	81
6	78	78	79	81	80
7	78	78	79	81	80
8	78	78	80	81	80
9	78	78	80	81	80
10	78	78	80	80	80
11	78	78	80	79	80
12	78	77	80	80	72
13	79	77	80	80	67
14	78	78	80	80	69
15	79	77	80	80	76
16	79	77	79	80	69
17	78	77	57	80	69
18	78	77	67	80	69
19	79	78	68	80	69
20	79	78	16	80	70
21	80	78	68	80	74
22	79	78	80	80	74
23	79	78	80	80	74

## Kinleith (CHH Mill)

Hour	20-Nov-2023	21-Nov-2023	22-Nov-2023	23-Nov-2023	24-Nov-2023
0	375	459	495	434	381
1	332	399	539	434	342
2	381	491	561	400	381
3	344	496	540	379	375
4	305	432	534	428	429
5	359	491	555	439	436
6	397	489	624	455	359
7	418	491	645	545	412
8	424	316	535	395	548
9	429	308	496	372	628
10	342	319	468	404	642
11	361	368	463	506	686
12	457	374	464	485	515
13	587	281	480	315	504
14	371	323	500	225	516
15	364	326	481	232	484
16	365	353	476	211	499
17	465	455	465	193	566
18	621	453	522	205	571
19	716	480	657	178	503
20	688	454	726	227	508
21	583	311	615	211	518
22	455	451	497	315	466
23	411	485	421	310	373

Lichfield 2

Hour	20-Nov-2023	21-Nov-2023	22-Nov-2023	23-Nov-2023	24-Nov-2023
0	153	150	153	139	155
1	157	152	148	131	156
2	153	154	148	144	158
3	160	153	149	132	155
4	156	146	156	94	153
5	155	140	151	79	154
6	157	146	147	51	154
7	155	145	149	39	145
8	155	150	148	33	147
9	144	146	154	34	155
10	145	146	149	34	154
11	150	144	144	30	153
12	151	147	144	3	147
13	148	154	149	10	149
14	154	151	156	34	153
15	148	147	151	30	155
16	157	147	152	33	162
17	157	152	151	83	156
18	156	157	150	79	161
19	149	151	147	120	117
20	150	149	149	152	44
21	150	148	152	154	48
22	159	152	153	145	47
23	152	152	149	145	41

Lichfield DF

Hour	20-Nov-2023	21-Nov-2023	22-Nov-2023	23-Nov-2023	24-Nov-2023
0	80	90	58	72	82
1	79	98	62	75	80
2	78	92	67	75	78
3	75	90	71	79	81
4	83	86	77	78	89
5	74	78	95	79	96
6	74	83	77	84	88
7	85	72	81	81	94
8	92	73	82	84	100
9	101	78	80	70	90
10	97	90	88	84	101
11	73	88	89	77	86
12	71	77	77	64	76
13	84	63	73	60	78
14	83	69	82	68	83
15	88	62	78	69	62
16	61	70	79	71	56
17	80	50	69	60	52
18	73	61	71	54	45
19	73	52	70	55	47
20	69	45	75	70	49
21	84	51	78	66	50
22	87	60	84	79	54
23	88	62	80	79	50

Mt Maunganui

Hour	20-Nov-2023	21-Nov-2023	22-Nov-2023	23-Nov-2023	24-Nov-2023
0	65	54	52	55	59
1	62	51	52	52	55
2	58	56	58	55	63
3	62	55	58	59	61
4	65	55	59	67	71
5	75	65	70	73	75
6	81	77	78	86	80
7	77	74	76	77	85
8	84	73	73	84	85
9	76	74	72	78	82
10	73	81	80	79	85
11	73	74	79	75	89
12	73	67	79	83	87
13	72	66	70	81	84
14	68	64	65	81	75
15	71	65	74	77	75
16	66	66	76	71	80
17	61	66	77	67	67
18	59	66	74	67	71
19	52	63	67	64	70
20	49	62	57	61	61
21	47	55	54	60	56
22	45	50	60	59	56
23	47	47	54	57	55

Pyes Pa

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

Reporoa

Hour	20-Nov-2023	21-Nov-2023	22-Nov-2023	23-Nov-2023	24-Nov-2023
0	74	73	70	73	68
1	76	70	68	74	67
2	74	71	71	74	65
3	77	73	67	72	67
4	73	73	51	72	70
5	72	73	44	71	70
6	70	73	40	71	70
7	67	71	25	67	68
8	71	68	25	68	68
9	73	69	26	66	69
10	72	70	26	65	67
11	72	70	24	70	69
12	57	71	14	67	69
13	70	72	15	68	72
14	70	73	34	68	69
15	70	73	46	71	71
16	71	72	48	71	71
17	68	70	66	68	69
18	71	70	70	71	70
19	73	70	70	70	67
20	74	66	70	72	68
21	74	66	74	68	69
22	74	65	72	68	70
23	73	68	73	65	71

Rotorua

Hour	20-Nov-2023	21-Nov-2023	22-Nov-2023	23-Nov-2023	24-Nov-2023
0	11	11	11	9	8
1	10	11	10	9	11
2	9	11	11	9	11
3	11	13	12	10	11
4	16	21	21	18	18
5	32	32	34	28	26
6	42	43	44	39	42
7	42	41	39	38	41
8	38	34	33	33	36
9	35	32	32	33	39
10	35	35	34	36	37
11	35	32	34	35	36
12	34	37	35	35	35
13	33	32	32	31	32
14	31	28	28	26	33
15	29	24	26	25	36
16	30	29	30	29	43
17	32	32	32	30	48
18	34	34	34	30	49
19	32	31	31	31	47
20	26	26	22	25	40
21	19	20	18	19	30
22	14	15	13	14	20
23	11	11	9	13	17

Tauriko

Hour	20-Nov-2023	21-Nov-2023	22-Nov-2023	23-Nov-2023	24-Nov-2023
0	0	94	70	59	61
1	0	92	56	59	69
2	0	88	97	67	91
3	0	36	95	93	93
4	0	59	63	80	92
5	17	59	62	75	58
6	16	29	61	75	62
7	9	52	60	52	60
8	49	61	68	75	40
9	64	62	56	68	79
10	82	67	84	39	89
11	92	91	98	60	91
12	64	94	94	93	68
13	57	96	99	92	12
14	91	94	98	90	21
15	93	94	86	89	8
16	92	88	41	91	9
17	60	93	47	53	54
18	41	53	63	7	61
19	69	82	41	7	62
20	94	52	65	7	84
21	92	88	92	7	95
22	88	97	32	41	95
23	92	96	52	59	96

Whakatane

Hour	20-Nov-2023	21-Nov-2023	22-Nov-2023	23-Nov-2023	24-Nov-2023
0	35	105	110	100	117
1	39	105	108	101	118
2	41	107	112	102	114
3	80	108	111	101	112
4	103	110	113	104	114
5	41	110	114	107	116
6	43	112	110	107	121
7	86	110	110	109	121
8	107	105	108	111	124
9	58	114	108	114	124
10	69	115	109	118	125
11	115	115	106	79	46
12	66	114	108	110	121
13	42	113	105	116	123
14	79	114	45	116	123
15	111	114	38	112	127
16	111	111	38	112	127
17	109	110	40	112	125
18	106	110	38	112	126
19	107	108	38	114	122
20	105	109	96	113	120
21	104	108	97	113	121
22	105	91	98	114	119
23	102	100	98	114	120

## 2.5 South System

Belmont

Hour	6-May-2024	7-May-2024	8-May-2024	9-May-2024	10-May-2024
0	57	69	91	94	107
1	52	64	91	84	94
2	50	65	92	80	96
3	54	76	101	87	107
4	59	88	117	100	123
5	101	140	178	158	188
6	197	257	311	283	325
7	265	347	413	371	441
8	222	296	367	339	402
9	169	245	288	279	333
10	150	201	230	259	278
11	137	181	205	255	246
12	143	176	185	251	206
13	133	159	171	219	186
14	128	150	142	197	162
15	123	150	143	198	169
16	131	174	174	250	216
17	179	244	258	322	285
18	215	301	312	359	312
19	214	297	303	346	288
20	190	274	285	308	253
21	152	238	233	250	203
22	109	162	164	173	147
23	78	110	117	125	104

Feilding

Hour	6-May-2024	7-May-2024	8-May-2024	9-May-2024	10-May-2024
0	12	30	33	29	34
1	11	30	33	24	34
2	9	30	35	24	33
3	15	31	35	23	23
4	15	25	39	26	27
5	19	23	40	27	30
6	26	35	52	38	41
7	31	43	61	45	50
8	27	41	56	41	50
9	30	45	53	40	47
10	34	43	46	37	42
11	35	44	42	35	37
12	32	40	41	33	32
13	26	39	38	35	32
14	29	36	34	43	29
15	30	37	36	41	28
16	37	38	40	43	33
17	38	44	45	50	37
18	41	48	48	50	39
19	38	45	45	48	36
20	37	46	46	48	35
21	35	42	39	43	31
22	34	37	37	38	28
23	30	35	35	34	25

Hastings

Hour	6-May-2024	7-May-2024	8-May-2024	9-May-2024	10-May-2024
0	169	278	293	293	266
1	170	261	289	292	250
2	174	282	307	295	272
3	178	289	305	293	281
4	188	287	328	283	288
5	244	334	359	335	313
6	324	386	383	358	360
7	357	425	403	401	408
8	343	427	448	426	399
9	342	426	414	407	396
10	325	412	399	393	391
11	320	410	383	402	368
12	305	405	344	400	328
13	325	385	341	398	334
14	309	386	335	379	310
15	303	361	319	383	312
16	341	354	315	389	298
17	325	384	332	351	304
18	325	384	327	352	310
19	314	388	353	360	299
20	308	365	344	329	302
21	300	354	334	313	280
22	283	320	302	285	267
23	280	326	305	308	262

Hawera

Hour	6-May-2024	7-May-2024	8-May-2024	9-May-2024	10-May-2024
0	4	18	20	21	46
1	4	13	17	17	42
2	4	9	12	11	38
3	3	9	13	12	37
4	8	20	18	17	43
5	16	40	24	22	48
6	25	53	35	32	59
7	30	59	45	40	68
8	31	60	44	37	65
9	27	55	38	37	61
10	27	54	34	36	39
11	22	51	29	35	30
12	21	46	23	34	28
13	21	46	23	35	24
14	18	23	22	29	22
15	18	23	22	29	23
16	24	26	26	38	29
17	30	36	37	44	37
18	33	41	43	46	40
19	29	38	40	64	40
20	28	36	38	66	39
21	25	32	33	60	38
22	21	24	27	53	33
23	20	22	24	48	28

Levin

Hour	6-May-2024	7-May-2024	8-May-2024	9-May-2024	10-May-2024
0	7	23	22	22	27
1	6	21	19	18	25
2	6	18	15	12	22
3	6	18	16	12	21
4	25	27	27	26	28
5	26	28	28	24	28
6	34	45	46	42	43
7	41	56	56	53	55
8	41	52	55	53	56
9	41	49	52	54	54
10	37	49	47	50	54
11	36	47	46	47	48
12	35	41	37	38	45
13	34	41	33	42	43
14	36	32	30	45	40
15	34	34	31	45	38
16	30	29	29	39	37
17	28	31	31	38	42
18	30	35	35	36	44
19	32	36	36	33	41
20	31	34	34	35	39
21	30	35	33	34	34
22	27	29	30	31	30
23	25	24	26	27	24

Longburn

Hour	6-May-2024	7-May-2024	8-May-2024	9-May-2024	10-May-2024
0	17	23	29	26	25
1	16	23	27	29	28
2	16	24	27	27	26
3	15	25	26	24	27
4	17	26	25	22	27
5	16	26	27	23	28
6	19	26	27	25	27
7	23	29	28	25	34
8	22	24	24	23	30
9	23	24	26	27	27
10	22	23	29	23	29
11	24	23	26	22	25
12	24	22	25	26	30
13	22	24	22	26	28
14	22	25	26	26	29
15	22	26	25	27	28
16	26	23	26	28	31
17	24	26	28	26	32
18	24	25	29	27	36
19	22	29	30	26	37
20	22	29	28	29	32
21	22	27	31	26	30
22	23	28	31	28	33
23	23	28	27	26	31

Marton

Hour	6-May-2024	7-May-2024	8-May-2024	9-May-2024	10-May-2024
0	19	31	7	23	34
1	21	29	7	21	36
2	19	28	21	21	34
3	17	27	33	21	32
4	14	26	35	20	31
5	13	26	37	20	29
6	14	30	39	22	30
7	6	28	41	12	32
8	26	28	40	33	29
9	26	26	38	34	27
10	23	24	36	34	24
11	25	22	34	34	21
12	28	12	35	32	11
13	29	8	33	33	8
14	29	10	32	34	8
15	28	10	34	34	8
16	32	12	34	37	12
17	34	11	33	40	13
18	36	11	34	39	12
19	35	11	33	39	11
20	34	10	28	38	10
21	33	10	27	38	9
22	31	8	24	36	8
23	31	8	21	34	8

Pahiatua DF

Hour	6-May-2024	7-May-2024	8-May-2024	9-May-2024	10-May-2024
0	70	82	87	16	75
1	70	86	83	8	74
2	72	83	85	24	77
3	72	83	86	8	75
4	75	89	88	14	72
5	77	91	94	21	75
6	85	94	103	29	79
7	81	85	91	49	74
8	85	71	58	91	77
9	79	70	33	88	80
10	78	75	30	87	51
11	77	70	19	85	35
12	83	73	17	84	38
13	74	75	20	83	24
14	77	71	18	74	11
15	73	78	14	76	11
16	76	77	24	73	10
17	73	73	3	79	1
18	72	75	10	73	14
19	69	77	13	74	3
20	75	78	4	71	15
21	74	80	20	71	2
22	78	89	4	73	9
23	81	90	14	70	9

## Palmerston North

Hour	6-May-2024	7-May-2024	8-May-2024	9-May-2024	10-May-2024
0	45	46	54	61	65
1	43	48	53	57	62
2	42	44	56	58	66
3	44	49	59	54	68
4	55	57	70	66	77
5	80	91	102	98	113
6	154	170	189	174	198
7	193	226	250	234	272
8	164	189	218	193	245
9	143	158	185	181	209
10	139	141	163	169	186
11	128	137	143	162	164
12	117	129	128	161	143
13	120	130	122	154	132
14	96	108	102	138	114
15	91	101	98	128	112
16	110	126	121	148	132
17	133	156	155	189	164
18	151	176	175	199	168
19	141	171	166	185	155
20	125	146	151	163	135
21	98	117	128	135	117
22	70	84	94	99	88
23	52	63	71	74	68

## Waitangirua (Hutt Valley)

Hour	6-May-2024	7-May-2024	8-May-2024	9-May-2024	10-May-2024
0	10	14	20	18	21
1	9	12	18	16	22
2	9	13	20	15	23
3	9	15	22	18	25
4	14	21	30	25	33
5	25	36	42	38	48
6	52	65	75	70	88
7	68	84	99	94	120
8	54	71	85	84	104
9	41	54	64	70	78
10	36	47	50	62	63
11	32	42	42	66	53
12	30	37	38	59	44
13	28	33	34	55	40
14	24	28	27	47	33
15	22	30	28	49	33
16	29	37	37	59	44
17	45	54	55	82	62
18	48	68	67	90	71
19	49	66	67	88	68
20	45	62	60	77	61
21	38	52	51	62	51
22	27	36	36	42	37
23	18	25	22	28	25

Wanganui

Hour	6-May-2024	7-May-2024	8-May-2024	9-May-2024	10-May-2024
0	62	131	93	105	145
1	59	128	101	101	148
2	65	129	101	101	145
3	59	128	99	92	145
4	77	136	109	67	136
5	95	146	122	110	130
6	112	180	160	149	150
7	129	208	191	173	195
8	97	174	173	171	193
9	111	130	156	155	196
10	119	102	119	142	186
11	119	91	102	132	174
12	116	118	87	133	165
13	117	112	79	132	162
14	115	116	82	142	155
15	118	120	79	147	157
16	123	132	101	143	175
17	132	162	162	155	176
18	146	176	179	192	184
19	146	164	170	229	201
20	141	153	164	216	173
21	128	142	147	184	152
22	134	120	129	165	123
23	136	75	117	152	105

## Wellington (Tawa)

Hour	6-May-2024	7-May-2024	8-May-2024	9-May-2024	10-May-2024
0	113	140	176	168	175
1	100	121	170	155	168
2	87	125	169	151	168
3	96	136	181	161	196
4	120	159	209	191	232
5	193	248	318	292	334
6	358	435	519	497	538
7	479	605	736	689	750
8	414	551	680	663	728
9	322	450	511	567	578
10	291	400	420	511	485
11	267	358	364	486	429
12	251	342	324	477	400
13	224	314	306	445	372
14	204	285	310	406	340
15	201	293	325	418	331
16	257	364	378	511	411
17	336	463	469	606	503
18	368	509	520	633	520
19	366	512	498	599	480
20	345	483	461	559	443
21	295	415	408	463	373
22	226	309	296	318	280
23	170	230	213	218	209

## 2.6 Frankley Road System

Stratford 3

Hour	3-Sep-2024	4-Sep-2024	5-Sep-2024	6-Sep-2024	3-Sep-2024
0	2,696	2,720	2,720	2,736	2,696
1	2,708	2,708	2,720	2,692	2,708
2	2,696	2,700	2,728	2,696	2,696
3	2,688	2,696	2,724	2,720	2,688
4	2,692	2,704	2,728	2,720	2,692
5	2,700	2,708	2,712	2,744	2,700
6	2,700	2,700	2,696	2,720	2,700
7	2,728	2,684	2,672	2,728	2,728
8	2,724	2,688	2,672	2,676	2,724
9	2,748	2,708	2,688	2,680	2,748
10	2,728	2,768	2,728	2,688	2,728
11	2,692	2,780	2,740	2,668	2,692
12	2,700	2,716	2,748	2,716	2,700
13	2,696	2,728	2,740	2,752	2,696
14	2,700	2,688	2,696	2,740	2,700
15	2,700	2,640	2,668	2,724	2,700
16	2,716	2,668	2,680	2,708	2,716
17	2,728	2,712	2,644	2,712	2,728
18	2,724	2,668	2,676	2,708	2,724
19	2,720	2,716	2,728	2,700	2,720
20	2,712	2,716	2,700	2,680	2,712
21	2,708	2,732	2,708	2,684	2,708
22	2,708	2,740	2,752	2,696	2,708
23	2,700	2,700	2,752	2,728	2,700

Stratford 2

Hour	2-Sep-2024	3-Sep-2024	4-Sep-2024	5-Sep-2024	6-Sep-2024
0	472	492	488	476	472
1	476	476	476	472	476
2	472	476	472	472	472
3	476	468	468	476	472
4	476	472	476	472	480
5	472	480	472	476	472
6	656	472	476	844	476
7	888	472	648	880	472
8	896	852	884	868	860
9	892	872	892	884	888
10	892	880	500	888	880
11	904	872	472	708	872
12	892	868	476	48	880
13	900	880	44	-	872
14	896	872	-	-	508
15	896	876	-	-	476
16	900	868	-	4	472
17	892	880	20	784	476
18	900	872	644	872	476
19	892	872	884	888	472
20	896	876	888	892	484
21	896	880	892	888	480
22	892	876	496	704	484
23	900	872	472	476	44

AUP

Hour	2-Sep-2024	3-Sep-2024	4-Sep-2024	5-Sep-2024	6-Sep-2024
0	853	846	849	871	874
1	857	848	849	874	873
2	856	847	847	879	873
3	857	849	847	880	872
4	851	849	850	879	872
5	855	851	851	877	871
6	855	850	852	878	874
7	854	850	847	866	874
8	853	850	843	862	873
9	851	852	842	862	872
10	846	851	839	862	871
11	843	853	833	860	870
12	840	851	831	860	871
13	836	846	841	859	870
14	831	847	847	856	871
15	829	845	851	857	866
16	838	846	851	860	865
17	845	846	856	863	866
18	845	847	857	865	868
19	847	845	861	870	870
20	845	846	858	870	872
21	843	846	857	872	871
22	844	849	859	875	868
23	845	851	866	876	868

## Maui Bypass (flow to KGTP compressors)

Hour	2-Sep-2024	3-Sep-2024	4-Sep-2024	5-Sep-2024	6-Sep-2024
0	434	953	784	1,146	993
1	391	665	793	1,091	951
2	337	652	786	1,048	897
3	280	641	732	1,030	875
4	242	632	749	991	828
5	209	651	730	982	769
6	230	626	697	963	751
7	328	643	755	983	799
8	426	684	848	1,025	822
9	607	677	843	1,084	872
10	638	693	813	668	880
11	693	773	668	666	271
12	1,049	734	502	650	462
13	815	674	460	419	472
14	771	752	536	29	463
15	771	776	562	29	493
16	772	826	699	147	519
17	771	936	749	567	519
18	736	921	830	758	570
19	730	891	857	881	748
20	895	895	998	997	852
21	1,042	897	1,063	1,069	899
22	1,074	857	1,156	1,062	876
23	1,086	821	1,171	1,034	824

## 2.7 Maui System

Bertrand Road

Hour	2-Oct-23	3-Oct-23	4-Oct-23	5-Oct-23	6-Oct-23
0	1,908	1,932	1,920	1,908	1,900
1	2,040	1,928	1,936	1,916	1,916
2	1,984	1,924	1,924	1,908	1,912
3	1,932	1,920	1,924	1,896	1,888
4	1,952	1,912	1,928	1,896	1,884
5	1,952	1,912	1,916	1,888	1,884
6	1,992	1,904	1,904	1,880	1,872
7	1,952	1,896	1,904	1,864	1,876
8	1,932	1,888	1,888	1,880	1,880
9	1,940	1,904	1,880	1,868	1,872
10	1,956	1,908	1,920	1,884	1,876
11	1,972	1,916	1,936	1,872	1,864
12	1,976	1,904	1,928	1,880	1,884
13	1,968	1,908	1,932	1,868	1,880
14	1,976	1,912	1,936	1,872	1,900
15	1,956	1,924	1,936	1,876	1,880
16	1,908	1,908	1,928	1,896	1,868
17	1,892	1,916	1,964	1,912	1,884
18	1,892	1,904	1,948	1,892	1,876
19	1,896	1,912	1,932	1,908	1,892
20	1,892	1,912	1,936	1,892	1,872
21	1,920	1,920	1,924	1,892	1,880
22	1,916	1,916	1,928	1,876	1,888
23	1,912	1,924	1,916	1,892	1,928

Frankley Road

Hour	2-Oct-23	3-Oct-23	4-Oct-23	5-Oct-23	6-Oct-23
0	424	136	80	1,112	896
1	-	-	-	632	984
2	-	-	-	568	632
3	-	-	-	488	272
4	-	-	-	424	224
5	-	-	-	440	272
6	-	-	-	920	440
7	-	-	208	1,336	504
8	-	-	1,000	1,408	552
9	-	-	856	608	784
10	-	-	824	464	872
11	-	32	776	672	1,584
12	8	984	752	736	1,496
13	448	744	1,304	1,504	1,488
14	352	320	1,592	2,648	1,536
15	472	160	1,776	2,432	1,952
16	744	424	2,592	2,736	2,456
17	976	528	2,000	2,920	2,576
18	1,032	648	1,952	2,944	2,456
19	1,688	848	2,064	2,816	2,952
20	1,976	976	2,200	2,728	3,312
21	1,072	656	2,592	2,736	3,168
22	776	520	2,448	2,184	3,224
23	760	488	2,424	1,584	2,960

Hunty Power Station

Hour	2-Oct-23	3-Oct-23	4-Oct-23	5-Oct-23	6-Oct-23
0	696	948	512	-	-
1	696	952	520	-	-
2	700	948	528	32	-
3	1,008	996	808	356	72
4	1,344	1,232	1,204	1,164	276
5	2,012	1,964	1,964	1,412	780
6	2,520	3,540	2,336	1,420	880
7	2,404	4,000	636	1,200	1,156
8	3,300	2,344	1,076	556	1,056
9	3,368	1,712	988	428	648
10	2,996	1,644	520	416	492
11	3,152	1,752	392	408	816
12	3,320	1,700	392	408	944
13	3,348	1,664	528	416	948
14	3,216	1,732	684	440	1,232
15	3,212	1,732	700	396	1,228
16	3,128	1,336	788	348	1,236
17	3,732	1,568	800	468	1,520
18	3,816	2,008	1,368	548	1,520
19	3,652	2,868	1,572	544	1,536
20	3,084	2,676	1,548	740	1,544
21	1,460	1,752	1,716	636	1,212
22	948	1,160	2,064	700	848
23	952	640	620	504	76

Mangorei

Hour	2-Oct-23	3-Oct-23	4-Oct-23	5-Oct-23	6-Oct-23
0	-	-	-	-	-
1	-	-	-	-	-
2	-	-	-	-	-
3	-	-	-	-	-
4	-	-	8	-	-
5	-	-	484	-	-
6	-	-	508	-	-
7	-	228	504	-	-
8	-	500	44	-	4
9	-	504	-	-	444
10	-	284	-	-	504
11	-	-	-	-	500
12	-	-	-	-	36
13	-	-	-	-	-
14	-	-	-	-	-
15	-	-	-	-	-
16	-	-	-	-	-
17	-	4	-	8	-
18	-	480	-	472	-
19	-	504	-	496	-
20	-	500	-	504	-
21	-	48	-	44	-
22	-	-	-	-	-
23	-	-	-	-	-

Ngatimaru Road

Hour	2-Oct-23	3-Oct-23	4-Oct-23	5-Oct-23	6-Oct-23
0	4,168	4,776	4,732	4,496	4,496
1	4,500	4,760	4,732	4,496	4,496
2	4,588	4,736	4,732	4,496	4,500
3	4,600	4,732	4,724	4,496	4,496
4	4,596	4,728	4,728	4,492	4,496
5	4,596	4,732	4,724	4,488	4,492
6	4,592	4,728	4,720	4,488	4,488
7	4,592	4,728	4,720	4,484	4,492
8	4,596	4,728	4,720	4,488	4,492
9	4,688	4,728	4,728	4,488	4,488
10	4,708	4,728	4,728	4,492	4,484
11	4,800	4,728	4,728	4,492	4,484
12	4,884	4,728	4,728	4,488	4,488
13	4,880	4,728	4,732	4,488	4,492
14	4,896	4,728	4,732	4,488	4,492
15	5,012	4,732	4,732	4,496	4,492
16	5,028	4,732	4,744	4,496	4,492
17	5,020	4,728	4,736	4,496	4,496
18	5,020	4,732	4,736	4,496	4,500
19	5,020	4,728	4,744	4,492	4,500
20	5,016	4,728	4,744	4,496	4,500
21	5,024	4,732	4,744	4,492	4,500
22	4,976	4,732	4,736	4,492	4,504
23	4,840	4,728	4,588	4,492	4,536

Pirongia

Hour	2-Oct-23	3-Oct-23	4-Oct-23	5-Oct-23	6-Oct-23
0	93	66	97	75	68
1	92	58	102	71	63
2	84	58	102	72	64
3	84	61	101	74	66
4	86	54	102	71	69
5	87	54	108	69	63
6	67	67	113	62	62
7	56	58	111	55	49
8	55	51	109	60	47
9	54	44	104	52	50
10	51	41	93	61	54
11	50	55	68	58	61
12	52	58	60	61	54
13	50	78	81	67	46
14	52	71	86	52	53
15	58	72	88	55	52
16	58	73	91	63	46
17	59	70	95	61	59
18	61	74	95	63	74
19	62	79	83	61	66
20	49	80	58	62	56
21	61	84	61	67	60
22	65	92	58	66	57
23	66	98	60	63	67

Pokuru

Hour	2-Oct-23	3-Oct-23	4-Oct-23	5-Oct-23	6-Oct-23
0	828	837	1163	1213	820
1	875	863	1153	1239	827
2	886	873	996	1241	820
3	877	849	866	1221	838
4	848	898	893	1247	851
5	845	911	969	1247	850
6	902	983	1186	1302	914
7	876	1111	1242	1299	1001
8	870	1008	1258	1368	1114
9	944	1024	1270	1524	1141
10	992	985	1270	1455	1260
11	1002	1010	1286	1419	1257
12	1018	981	1314	1408	1294
13	874	923	1295	1388	1303
14	904	921	1257	1293	1333
15	1069	919	1188	1005	1321
16	1147	823	1157	882	1304
17	1073	1093	1193	861	1278
18	1110	1126	1220	884	1265
19	1074	1143	1213	872	1219
20	1043	1152	1224	828	1201
21	928	1145	1202	803	1204
22	938	1149	1174	801	1200
23	850	1157	1172	812	1076

Rotowaro

Hour	2-Oct-23	3-Oct-23	4-Oct-23	5-Oct-23	6-Oct-23
0	2,318	2,562	3,044	2,688	2,992
1	2,206	2,502	3,016	2,548	2,916
2	2,188	2,510	3,112	2,748	2,836
3	2,172	2,558	3,292	2,696	2,696
4	2,404	2,698	3,336	2,616	2,568
5	2,866	3,102	3,450	2,908	3,020
6	3,234	3,578	3,720	3,272	3,352
7	3,660	3,914	4,310	3,572	2,036
8	3,380	3,916	3,952	3,696	3,520
9	3,604	3,880	3,842	3,574	3,204
10	3,724	3,848	3,792	3,462	3,374
11	3,588	3,792	3,706	3,446	3,566
12	3,496	3,760	3,676	3,326	3,430
13	3,466	3,644	3,526	3,188	3,200
14	3,542	3,548	3,322	3,000	3,060
15	3,576	3,476	3,222	2,920	2,962
16	3,596	3,436	3,130	3,068	2,972
17	3,658	3,436	3,160	3,144	3,100
18	3,752	3,572	3,140	3,236	3,236
19	3,794	3,766	3,250	3,228	3,228
20	3,628	3,762	3,430	3,144	3,152
21	3,348	3,610	3,304	3,080	2,900
22	3,006	3,378	3,028	2,896	2,624
23	2,754	3,180	2,820	2,900	2,418

Te Kuiti South

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