

Group 3: Pricing from 01 April 2013 and Load Control

1. INTRODUCTION

NTL has amended its Group 3 line pricing effective from 01 April 2013.

Group 3 pricing includes Categories 3.1, 3.3, 3.4 and 3.5.

All Group 3 customers have been notified by letter, dated 28 February 2013, of the new pricing for their particular connection(s).

The local distribution component of NTL's Group 3 line pricing increased by 1.7% from 01 April 2013.

The letter also gave details of the Upper South Island RCPD demand recorded for the year ending August 2012. Individual consumer's coincident RCPD demand used as the basis of determining the transmission component of their line charges for their connection(s) from 01 April 2013 was also notified.

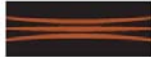
NTL's RCPD charge is the main pricing component used to recover Transpower's transmission costs attributable to Group 3 consumers. The RCPD demands upon which this year's charges are based occurred in June and July of last year, and this time they were all pm peaks.

When the effect of both the change in Group 3 RCPD pricing and the change in RCPD demand levels are considered together the **transmission component** of total Group 3 line charges will increase by 15% on average (this will vary between individual customers). As transmission charges are only about 30% of the total line charge, the overall line charge increase for the 2013-14 year is about 7%.

The remainder of this document is intended to provide a more detailed background to NTL's Group 3 charges and to supply data to Group 3 consumers so they may manage their load patterns to help minimise their future transmission charges.

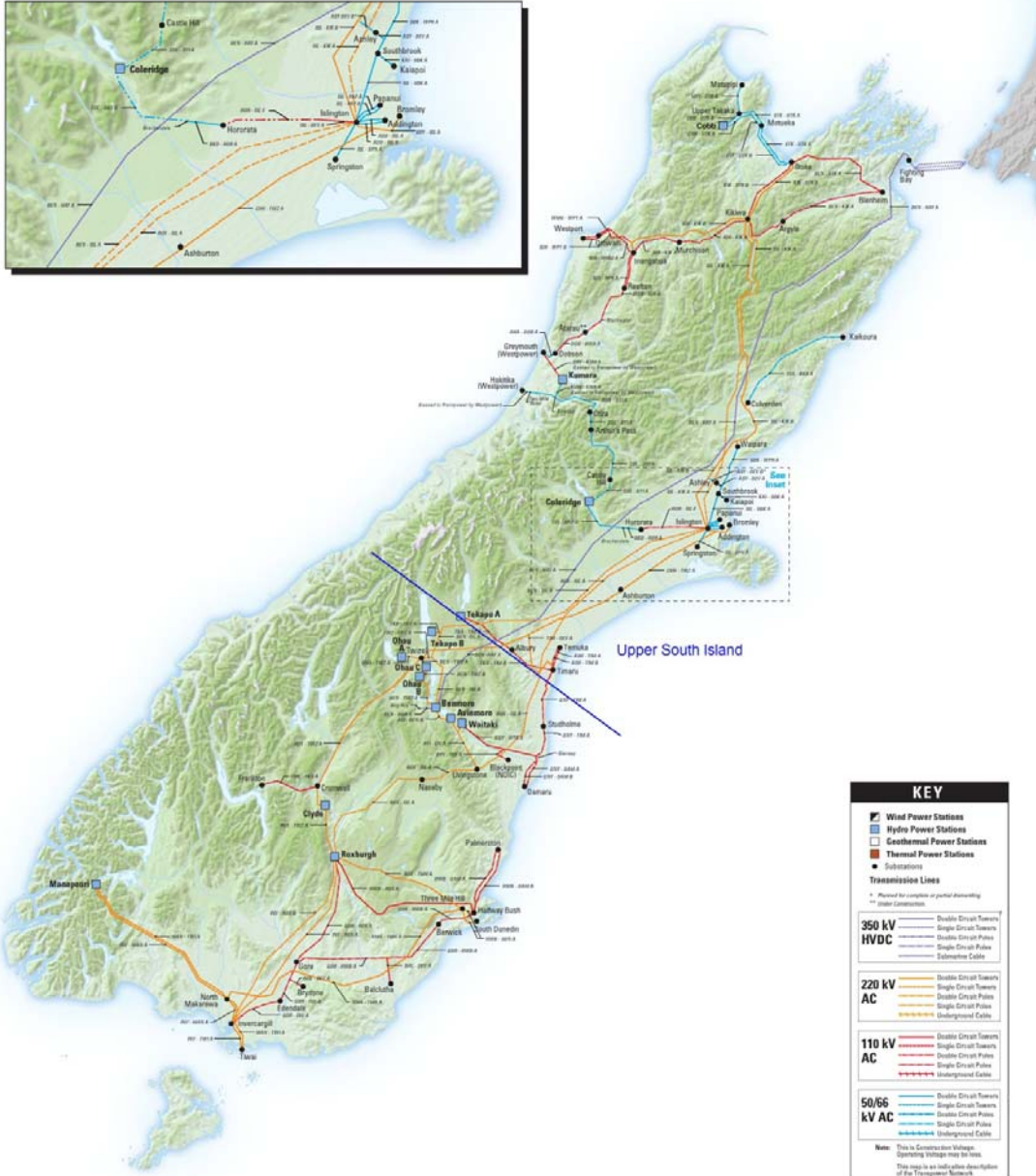
2. BACKGROUND TO TRANSPOWER'S TRANSMISSION PRICING.

Transpower's pricing methodology (TPM) became effective from 1 April 2008 and is sanctioned by the Electricity Commission. This methodology redefined the core transmission grid, extended the definition of connection assets and applies Interconnection Charges on a Regional Coincident Peak Demand (RCPD) basis for the Upper South Island (USI) region. The USI region includes all Grid substations and HVAC lines from Timaru north and includes Network Tasman's entire supply area.



TRANSPOWER

TRANSPOWER TRANSMISSION NETWORK : SOUTH ISLAND



KEY

- Wind Power Stations
- Hydro Power Stations
- Geothermal Power Stations
- Thermal Power Stations
- Substations

Transmission Lines

- Planned for completion or partial planning
- Under Construction

350 kV HVDC

- Double Circuit Towers
- Single Circuit Towers
- Double Circuit Poles
- Single Circuit Poles
- Submarine Cable

220 kV AC

- Double Circuit Towers
- Single Circuit Towers
- Double Circuit Poles
- Single Circuit Poles
- Underground Cable

110 kV AC

- Double Circuit Towers
- Single Circuit Towers
- Double Circuit Poles
- Single Circuit Poles
- Underground Cable

50/66 kV AC

- Double Circuit Towers
- Single Circuit Towers
- Double Circuit Poles
- Single Circuit Poles
- Underground Cable

Note: This is Construction Voltage. Operating Voltage may be less.
This map is an indicative description of the Transpower Network.

Transmission Network as of July 2006
 Produced by IT Production Services
 Cartography by Tomtek International
 Copyright © 2006 Tomtek International Limited

3. TRANSMISSION CHARGE COMPONENTS – how Transpower charges NTL:

Connection charge

Transpower's Connection Charge recovers the annual cost of connection assets, typically at substations or HVAC lines dedicated to the supply of companies such as Network Tasman. These charges are allocated to all grid-connected parties, whether they are injection (generator) or off-take customers (such as Network Tasman). Connection Charges make up about 18% of NTL's transmission charges and have doubled under the new TPM. NTL is now required to pay the full costs of all dedicated grid connection assets within the Tasman region whereas previously some of these costs were pooled and averaged across all Transpower customers via the Interconnection Charge.

Interconnection Charge

Transpower's Interconnection Charge recovers the balance (82%) of the revenue required for Transpower's HVAC network (excludes the HVDC link across Cook Strait).

Since April 2008 the Interconnection charge has been levied on Network Tasman's total demand coincident with the USI top 12 RCPD peak load times for the 12 months to August of the preceding year. The chargeable USI RCPD peaks for the year commencing 1 April 2013 are the 12 highest kW demands measured between September 2011 and August 2012.

For example, NTL's Interconnection charge for Motueka GXP for the coming year commencing 1 April 2013 will be:

Motueka GXP peaks coincident with USI peaks to 31 August 2012:

USI Peak Date	Half Hour Period	USI kW	Motueka kW
06-Jun-12	06:00 PM	1,012,702	17,272
06-Jun-12	05:30 PM	1,002,058	17,066
18-Jun-12	06:00 PM	1,000,364	16,632
07-Jun-12	06:00 PM	998,356	16,344
19-Jun-12	06:00 PM	998,018	16,446
06-Jun-12	06:30 PM	995,246	16,640
02-Jul-12	06:00 PM	994,028	17,030
12-Jun-12	06:00 PM	993,970	16,602
07-Jun-12	06:30 PM	993,564	16,088
03-Jul-12	06:00 PM	992,440	17,008
14-Jun-12	06:00 PM	992,414	16,660
25-Jun-12	06:00 PM	991,458	16,050

Average Motueka kW demand	16,653
TPNZ Interconnection rate, \$/kW	\$99.44
NTL annual Interconnection Charge for Motueka:	\$1,655,974

4. HOW NTL GROUP 3 PRICING WORKS (Category 3.4 shown below)

Charges from 01 April 2013 (New)

Category 3.4	Unit	Distribution	Transmission	Total
Variable				
Summer Day	c/kWh	1.33	0.00	1.33
Summer Night	c/kWh	0.70	0.00	0.70
Winter Day	c/kWh	3.57	0.00	3.57
Winter Night	c/kWh	0.70	0.00	0.70
Demand				
Anytime	c/kVA/day	12.35	3.27	15.62
Winter RCPD	c/kW/day	03.12	27.65	30.77

Charges from 1 April 2012 to 31 March 2013 (Old)

Category 3.4	Unit	Distribution	Transmission	Total
Variable				
Summer Day	c/kWh	1.31	0.00	1.28
Summer Night	c/kWh	0.69	0.00	0.67
Winter Day	c/kWh	3.52	0.00	3.43
Winter Night	c/kWh	0.69	0.00	0.67
Demand				
Anytime	c/kVA/day	12.43	2.44	14.87
RCPD Demand	c/kW/day	3.06	24.02	27.08

NTL Charges

a. Anytime Demand Charge

The Anytime Demand Charge is levied on the consumer's highest kVA demand measured annually between 1st April and 31st March and has both distribution and transmission components.

Note: the minimum chargeable anytime demand for Group 3 is 150 kVA.

The distribution component recovers NTL's local distribution costs attributable to Group 3 consumers in proportion to each consumer's anytime peak demands placed on the distribution network.

The transmission portion of the Anytime Demand Charge recovers the share of NTL's transmission connection charges attributable to Group 3 consumers.

b. Winter RCPD Charge

This charge passes through Group 3 consumers' share of NTL's annual transmission Interconnection costs. Using the half-hour meter data NTL holds for all Group 3 customers, we determine each customer's kW demands coincident with the date and time of Transpower's USI annual top 12 chargeable demands. The Loss Factor adjusts for network losses between the customers own metering point and Transpower bulk supply metering point (GXP).

For example, for **Group 3 Consumer ABC**:

USI DATE	USI Peak Time	USI kW	Customer ABC Coincident kW
06-Jun-12	06:00 PM	1,012,702	192
06-Jun-12	05:30 PM	1,002,058	153
18-Jun-12	06:00 PM	1,000,364	159
07-Jun-12	06:00 PM	998,356	137
19-Jun-12	06:00 PM	998,018	154
06-Jun-12	06:30 PM	995,246	176
02-Jul-12	06:00 PM	994,028	198
12-Jun-12	06:00 PM	993,970	152
07-Jun-12	06:30 PM	993,564	140
03-Jul-12	06:00 PM	992,440	180
14-Jun-12	06:00 PM	992,414	168
25-Jun-12	06:00 PM	991,458	192

Consumer ABC Average kW coincident demand 167 kW
 Consumer ABC Loss Factor 1.0535
 Consumer ABC RCPD Chargeable Demand 176 kW

NTL's charges are billed on a daily basis, so the RCPD charge for Customer ABC at 27.08c/kW/day, will be $176 * 0.3077 = \$54.16$ per day (\$19,767 for the year).

There is no minimum (kW) level for the Winter RCPD charge.

c. Variable charges

Variable charges are used for the distribution component of NTL's line charges and are applied to kWh consumption levels recorded within each of the four time zones defined below. Consumption is measured on time of use meters installed by retailers at consumer's premises and the meter data is supplied to NTL by electricity retailers each month.

The four time zones are:

Summer Day 0700-2300 from 1 October to 30 April
 Summer Night 2300-0700 from 1 October to 30 April
 Winter Day 0700-2300 from 1 May to 30 September
 Winter Night 2300-0700 from 1 May to 30 September

d. Reactive Charge

NTL requires all connections to maintain a power factor of at least 0.95. Group 3 connections where the power factor falls below 0.95 are likely to incur NTL's Power Factor charge. This is a reactive based charge. The charge each month is based on the minimum reactance needed in that month to ensure the power factor does not fall below 0.95.

The reactive charge from April 2013 is 25.05 c/kVAr. If a connection with a power factor less than 0.95 needed at least 65kVAr, in say June, to bring the power factor up to 0.95, the charge that month would be $65 * 0.2505 * 30 = \$488.48$ ex GST.

LOAD MANAGEMENT

Since NTL changed the Group 3 pricing structure on 1 April 2008 there has been a greater emphasis on Demand based charges and customers can gain more from careful load management at peak times.

Variable Charges

Variable (consumption) charges were reduced on 1 April 2008 and the Day/Night differential has been widened. This means customers can make greater cost savings by shifting energy use from Day (0700 to 2300) to Night (2300 to 0700) than was the case in the past.

Anytime Demand Charge

The total Anytime Demand charge is as significant as the RCPD or kWh charge for most Group 3 consumers, so minimising anytime peak loads and maintaining a power factor of at least 0.95 will provide consumers with material cost savings.

Winter RCPD Charge

The RCPD charge from 01 April 2013 is based on the 12 highest USI peaks occurring between September 2011 and August 2012. Likewise, the charges from 1 April 2014 will be based on loads coincident with USI peaks measured from 1 September 2012 to 31 August 2013. Where customers can minimise their loads at critical peak USI grid times, future Winter RCPD charges will be reduced however it should be noted the USI peak times cannot be predicted with certainty.

Profile of USI Peak Loads

NTL has USI load data for the grid, measured in kW per half hour, for the six years ending August 2006 to 2012. We have analysed this data to identify any trends that might support load control strategies for winter 2013 (which will impact on transmission RCPD charges from 1 April 2014).

Any ability to shed load or shift load away from expected peak times during the day will provide an opportunity to reduce future RCPD charges.

A summary of our analysis is provided below. Note that we have used the highest 50 peaks in each year to provide a wider perspective of the dates and time when the USI load tends to peak.

The largest population and load centre in the USI is Christchurch and inevitably its load profile determines the date and time of the USI peaks.

Normally the peaks occur in the winter months of June, July and early August, with a reasonable spread between the morning and evening periods but on weekdays only. Occasionally there are peaks in late May. Peaks very rarely occur on the weekends or Friday evenings.

In a "typical" winter we would expect mainly early evening peaks, with perhaps a few morning peaks around 7-9pm. The 2012 winter peaks were all in the pm range.

Top 50 Data Analysis Tables – for 2006 to 2012

Distribution of top 50 by month, year ending August

Month	2006	2007	2008	2009	2010	2011	2012
May	0	0	26	1	7	0	0
June	6	25	14	13	9	0	23
July	25	18	0	32	22	0	19
August	19	7	10	2	12	50	8

Distribution by time of day - am/pm

AM/PM	2006	2007	2008	2009	2010	2011	2012
am	43	23	42	20	24	17	12
pm	23	29	8	30	26	33	38

Date Range over which top 50 peaks occur

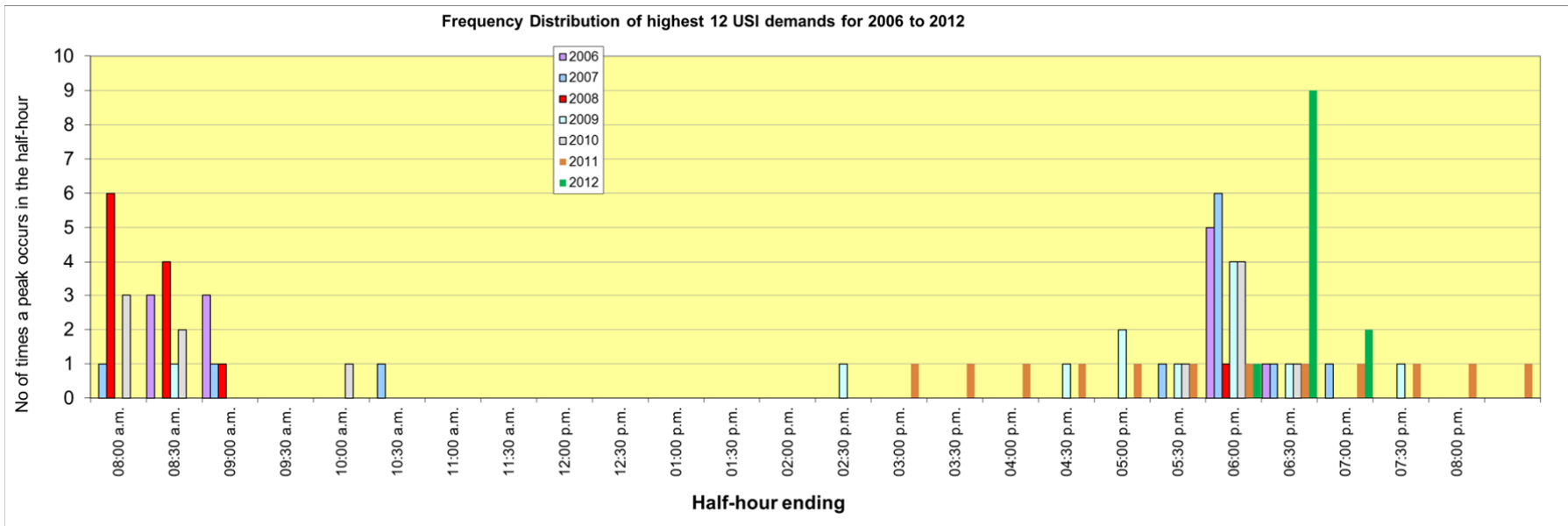
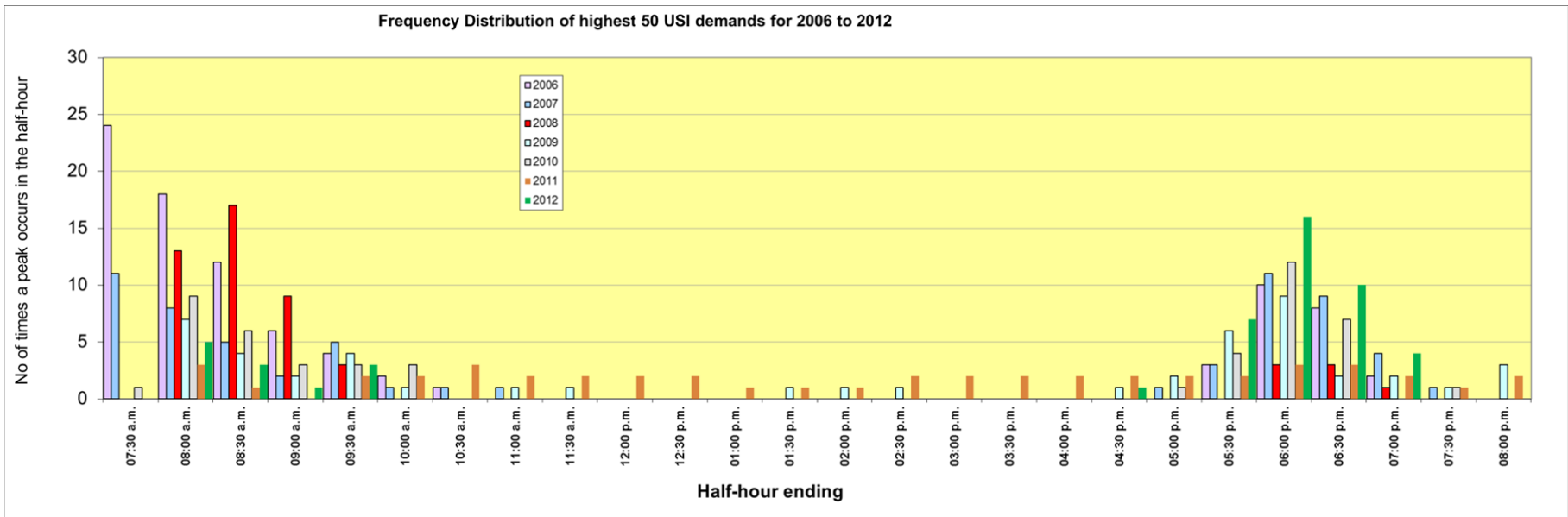
	2006	2007	2008	2009	2010	2011	2012
First	21-Jun-06	19-Jun-07	5-May-08	7-Nov-08	27-May-10	15-Aug-11	6-Jun-12
Last	24-Aug-06	15-Aug-07	21-Aug-08	7-Aug-09	23-Aug-10	23-Aug-11	30-Aug-12
Day spread	64	57	108	273	88	8	85

Distribution of top 50 by Weekday

Weekday	2006	2007	2008	2009	2010	2011	2012
Monday	4	11	8	18	10	9	12
Tuesday	9	13	14	8	14	1	15
Wednesday	17	12	11	13	5	22	12
Thursday	17	12	9	8	13	14	8
Friday	3	2	8	3	8	4	3
Saturday	0	0	0	0	0	0	0
Sunday	0	0	0	0	0	0	0
TOTAL	50	50	50	50	50	50	50

Highest 50 USI peaks for years ending August 2007 to August 2012

Rank	2007		2008		2009		2010		2011		2012	
	Date	Time	Date	Time	Date	Time	Date	Time	Date	Time	Date	Time
1	28-Jun-07	6:00 p.m.	06-May-08	8:00 a.m.	29-Jun-09	6:00 p.m.	01-Jun-10	6:00 p.m.	17-Aug-11	6:30 p.m.	06-Jun-12	6:00 p.m.
2	28-Jun-07	5:30 p.m.	06-May-08	8:30 a.m.	29-Jun-09	5:30 p.m.	23-Jun-10	6:00 p.m.	17-Aug-11	3:30 p.m.	06-Jun-12	5:30 p.m.
3	09-Jul-07	6:00 p.m.	07-May-08	8:00 a.m.	20-May-09	6:00 p.m.	08-Jun-10	6:00 p.m.	17-Aug-11	5:00 p.m.	18-Jun-12	6:00 p.m.
4	28-Jun-07	6:30 p.m.	29-May-08	8:00 a.m.	29-Jun-09	5:00 p.m.	01-Jul-10	8:30 a.m.	17-Aug-11	3:00 p.m.	07-Jun-12	6:00 p.m.
5	20-Jun-07	6:00 p.m.	29-May-08	8:30 a.m.	29-Jun-09	2:30 p.m.	10-Aug-10	8:30 a.m.	17-Aug-11	4:00 p.m.	19-Jun-12	6:00 p.m.
6	25-Jun-07	6:00 p.m.	28-May-08	8:00 a.m.	28-Jul-09	6:00 p.m.	01-Jun-10	6:30 p.m.	17-Aug-11	6:00 p.m.	06-Jun-12	6:30 p.m.
7	15-Aug-07	8:00 a.m.	13-May-08	8:00 a.m.	07-Nov-08	8:30 a.m.	10-Aug-10	8:00 a.m.	17-Aug-11	7:00 p.m.	02-Jul-12	6:00 p.m.
8	27-Jun-07	6:00 p.m.	07-May-08	8:30 a.m.	29-Jun-09	4:30 p.m.	12-Jul-10	8:00 a.m.	17-Aug-11	4:30 p.m.	12-Jun-12	6:00 p.m.
9	28-Jun-07	9:00 a.m.	28-May-08	8:30 a.m.	02-Jul-09	6:00 p.m.	12-Aug-10	8:00 a.m.	17-Aug-11	2:30 p.m.	07-Jun-12	6:30 p.m.
10	29-Jun-07	10:30 a.m.	30-May-08	8:00 a.m.	29-Jun-09	6:30 p.m.	12-Aug-10	10:00 a.m.	17-Aug-11	8:00 p.m.	03-Jul-12	6:00 p.m.
11	28-Jun-07	7:00 p.m.	26-May-08	6:00 p.m.	02-Jul-09	5:00 p.m.	12-Aug-10	6:00 p.m.	17-Aug-11	5:30 p.m.	14-Jun-12	6:00 p.m.
12	16-Jul-07	6:00 p.m.	06-May-08	9:00 a.m.	29-Jun-09	7:30 p.m.	27-May-10	5:30 p.m.	17-Aug-11	7:30 p.m.	25-Jun-12	6:00 p.m.
13	26-Jun-07	6:00 p.m.	19-Jun-08	8:00 a.m.	30-Jun-09	5:30 p.m.	22-Jul-10	6:00 p.m.	18-Aug-11	8:30 a.m.	25-Jul-12	6:00 p.m.
14	09-Jul-07	6:30 p.m.	07-May-08	9:00 a.m.	29-Jun-09	8:00 p.m.	13-Jul-10	9:00 a.m.	17-Aug-11	8:30 p.m.	26-Jun-12	6:30 p.m.
15	17-Jul-07	9:30 a.m.	13-May-08	8:30 a.m.	13-Jul-09	8:30 a.m.	12-Jul-10	6:00 p.m.	17-Aug-11	2:00 p.m.	26-Jun-12	6:00 p.m.
16	27-Jun-07	8:00 a.m.	29-May-08	9:00 a.m.	16-Jul-09	9:00 a.m.	08-Jun-10	5:30 p.m.	17-Aug-11	12:00 p.m.	27-Jun-12	6:00 p.m.
17	19-Jun-07	6:00 p.m.	11-Jun-08	8:00 a.m.	15-Jul-09	6:00 p.m.	11-Aug-10	8:00 a.m.	15-Aug-11	4:30 p.m.	24-Jul-12	6:00 p.m.
18	15-Aug-07	8:30 a.m.	07-May-08	9:30 a.m.	14-Jul-09	5:30 p.m.	06-Aug-10	8:00 a.m.	17-Aug-11	1:00 p.m.	31-Jul-12	6:30 p.m.
19	17-Jul-07	9:00 a.m.	19-Jun-08	8:30 a.m.	27-Jul-09	6:00 p.m.	13-Jul-10	8:30 a.m.	18-Aug-11	10:00 a.m.	02-Jul-12	6:30 p.m.
20	17-Jul-07	8:30 a.m.	30-May-08	8:30 a.m.	01-Jul-09	8:00 a.m.	01-Jul-10	8:00 a.m.	15-Aug-11	4:00 p.m.	19-Jun-12	6:30 p.m.
21	28-Jun-07	9:30 a.m.	05-May-08	8:30 a.m.	29-Jun-09	7:00 p.m.	10-Aug-10	6:30 p.m.	15-Aug-11	3:30 p.m.	11-Jul-12	8:30 a.m.
22	28-Jun-07	8:00 a.m.	28-May-08	9:00 a.m.	01-Jul-09	11:30 a.m.	27-May-10	6:30 p.m.	17-Aug-11	12:30 p.m.	23-Aug-12	8:00 a.m.
23	21-Jun-07	6:00 p.m.	30-May-08	9:00 a.m.	13-Jul-09	6:00 p.m.	10-Jun-10	8:30 a.m.	18-Aug-11	6:30 p.m.	11-Jul-12	9:00 a.m.
24	15-Aug-07	9:30 a.m.	19-Jun-08	9:00 a.m.	16-Jul-09	9:30 a.m.	13-Jul-10	6:00 p.m.	15-Aug-11	6:00 p.m.	10-Jul-12	8:30 a.m.
25	28-Jun-07	7:30 p.m.	20-Jun-08	8:00 a.m.	06-Jul-09	5:30 p.m.	31-May-10	6:00 p.m.	18-Aug-11	10:30 a.m.	12-Jun-12	6:30 p.m.
26	09-Jul-07	5:30 p.m.	21-Aug-08	8:00 a.m.	29-Jul-09	8:00 a.m.	23-Jun-10	5:00 p.m.	17-Aug-11	1:30 p.m.	14-Jun-12	5:30 p.m.
27	28-Jun-07	8:30 a.m.	29-May-08	9:30 a.m.	07-Nov-08	8:00 a.m.	23-Aug-10	6:30 p.m.	15-Aug-11	3:00 p.m.	20-Aug-12	6:30 p.m.
28	28-Jun-07	10:00 a.m.	11-Jun-08	8:30 a.m.	29-Jun-09	8:30 p.m.	12-Jul-10	9:30 a.m.	17-Aug-11	9:00 p.m.	19-Jun-12	5:30 p.m.
29	16-Jul-07	8:30 a.m.	11-Aug-08	6:30 p.m.	20-Jul-09	6:00 p.m.	01-Jul-10	9:00 a.m.	18-Aug-11	11:00 a.m.	11-Jul-12	9:30 a.m.
30	27-Jun-07	6:30 p.m.	12-Aug-08	8:00 a.m.	30-Jun-09	8:00 p.m.	09-Jul-10	9:30 a.m.	18-Aug-11	7:00 p.m.	13-Aug-12	6:30 p.m.
31	16-Jul-07	9:30 a.m.	18-Jun-08	8:00 a.m.	06-Aug-09	8:00 a.m.	09-Aug-10	8:00 a.m.	17-Aug-11	11:30 a.m.	14-Aug-12	7:00 p.m.
32	23-Jul-07	8:00 a.m.	18-Jun-08	8:30 a.m.	14-Jul-09	8:00 a.m.	30-Jul-10	8:00 a.m.	18-Aug-11	12:00 p.m.	03-Jul-12	6:30 p.m.
33	14-Aug-07	6:30 p.m.	13-May-08	9:00 a.m.	15-Jul-09	8:30 a.m.	10-Aug-10	7:30 a.m.	15-Aug-11	5:00 p.m.	11-Jul-12	8:00 a.m.
34	29-Jun-07	11:00 a.m.	26-May-08	6:30 p.m.	06-Jul-09	9:00 a.m.	15-Jul-10	8:30 a.m.	18-Aug-11	8:00 a.m.	18-Jun-12	5:30 p.m.
35	15-Aug-07	6:30 p.m.	11-Aug-08	6:00 p.m.	28-Jul-09	8:00 p.m.	28-May-10	7:30 p.m.	17-Aug-11	10:30 a.m.	10-Jul-12	9:30 a.m.
36	20-Jun-07	6:30 p.m.	30-May-08	9:30 a.m.	01-Jul-09	11:00 a.m.	15-Jul-10	9:00 a.m.	15-Aug-11	6:30 p.m.	25-Jun-12	7:00 p.m.
37	08-Aug-07	8:00 a.m.	19-Aug-08	8:30 a.m.	06-Jul-09	9:30 a.m.	09-Aug-10	6:30 p.m.	18-Aug-11	9:30 a.m.	13-Aug-12	7:00 p.m.
38	27-Jun-07	8:30 a.m.	21-Aug-08	8:30 a.m.	01-Jul-09	10:00 a.m.	12-Jul-10	6:30 p.m.	18-Aug-11	11:30 a.m.	08-Aug-12	6:00 p.m.
39	17-Jul-07	6:00 p.m.	24-Jun-08	6:00 p.m.	02-Jul-09	5:30 p.m.	23-Jun-10	5:30 p.m.	18-Aug-11	8:00 p.m.	02-Jul-12	5:30 p.m.
40	19-Jun-07	6:30 p.m.	06-May-08	6:30 p.m.	15-Jul-09	5:30 p.m.	28-May-10	6:30 p.m.	15-Aug-11	5:30 p.m.	15-Jun-12	5:30 p.m.
41	10-Jul-07	6:00 p.m.	09-Jun-08	8:30 a.m.	01-Jul-09	9:30 a.m.	09-Jun-10	6:00 p.m.	17-Aug-11	11:00 a.m.	30-Aug-12	8:00 a.m.
42	17-Jul-07	8:00 a.m.	18-Aug-08	8:30 a.m.	29-Jun-09	2:00 p.m.	13-Jul-10	8:00 a.m.	18-Aug-11	9:00 p.m.	07-Jun-12	5:30 p.m.
43	09-Jul-07	7:00 p.m.	20-Jun-08	9:00 a.m.	01-Jul-09	8:30 a.m.	12-Jul-10	10:00 a.m.	19-Aug-11	10:00 a.m.	10-Jul-12	8:00 a.m.
44	23-Jul-07	9:30 a.m.	12-Aug-08	8:30 a.m.	15-Jul-09	6:30 p.m.	15-Jul-10	6:00 p.m.	15-Aug-11	2:30 p.m.	20-Jul-12	9:30 a.m.
45	16-Jul-07	6:30 p.m.	20-Jun-08	8:30 a.m.	28-Jul-09	9:30 a.m.	20-Jul-10	6:00 p.m.	18-Aug-11	12:30 p.m.	09-Jul-12	8:30 a.m.
46	14-Aug-07	7:00 p.m.	05-May-08	9:00 a.m.	16-Jul-09	6:00 p.m.	28-May-10	5:30 p.m.	23-Aug-11	8:00 a.m.	06-Jun-12	7:00 p.m.
47	20-Jun-07	5:30 p.m.	19-Aug-08	9:00 p.m.	21-Jul-09	8:00 a.m.	13-Jul-10	9:30 a.m.	21-Aug-11	9:30 a.m.	05-Jul-12	6:00 p.m.
48	28-Jun-07	5:00 p.m.	19-Aug-08	8:00 a.m.	15-Jul-09	7:00 p.m.	09-Jul-10	10:00 a.m.	19-Aug-11	10:30 a.m.	13-Aug-12	6:00 p.m.
49	17-Jul-07	7:00 p.m.	24-Jun-08	7:00 p.m.	02-Jul-09	1:30 p.m.	12-Jul-10	8:30 a.m.	18-Aug-11	6:00 p.m.	06-Jun-12	4:30 p.m.
50	17-Jul-07	6:30 p.m.	06-Jun-08	8:30 a.m.	07-Aug-09	8:00 a.m.	28-May-10	6:00 p.m.	19-Aug-11	8:00 a.m.	20-Jul-12	8:00 a.m.



USI Load Data for Winter 2013

Near real-time load data for the USI can be purchased from EMS, a subsidiary of Transpower, who have a web-based package call em⁶. NTL does not subscribe to the em⁶ service.

Currently Transpower's System Operator makes USI load data publicly available on its website <http://www.systemoperator.co.nz/n1713.html> under "Upper and Top South Island Security". This USI load data is updated every 5 minutes or so. The information was originally set-up to assist lines companies and end users with load control during USI grid upgrades. Our understanding is that at this stage Transpower will continue to maintain this site over winter 2013.

Note also that 1MW = 1,000kW.

The front page of NTL's website also shows the level of load control NTL is deploying. NTL load control will approach 100% when peak grid loads are being recorded.

5. SUMMARY

The information above is provided to help Group 3 consumers assess their options to control load and minimise their RCPD demand charges.

NTL has the full data set of the USI load for the last 7 years if required. Please contact Collin Just on (03) 989 3608 or collin.just@networktasman.co.nz.