



PIPELINE CAPACITY DISCLOSURE

**Relating to
Gas (Information Disclosure) Regulations 1997**

Year Ending 30 June 2008

August 2008

1. INTRODUCTION

This document comprises the Pipeline Capacity Disclosure of Vector Gas Limited ("Vector") [formerly NGC New Zealand Limited] pursuant to the Gas (Information Disclosure) Regulations 1997 (the "Regulations"), Schedule 1, PART 5, for the year ending 30 June 2008.

As far as practicable main section headings mirror those of Schedule 1, PART 5 of the Regulations. For additional clarity the relevant clause number of Schedule 1 PART 5 is given alongside each main section heading, and some sub-section headings.

Inquiries in relation to this disclosure in particular and system capacity generally, should be directed to:

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Terminology

In this report terminology generally matches that in the Regulations. Some terms differ from those currently used in Vector's Transmission System Information Memorandum and transmission services agreements. For example:

Term in this Report:	Equivalent Vector Term:
Intake Point	Receipt Point
Offtake Point	Delivery Point
transmission system	pipeline (ie <i>part of</i> the "Transmission System")

Exclusions

This report covers the transmission pipeline systems specified in the Regulations. Some parts of Vector's Transmission System, specifically minor laterals off the Maui pipeline, are not covered. These include the Te Awamutu North lateral, the Te Kuiti South and the Te Kuiti North laterals.

Disclaimer

Except in the case of a pipeline with a single Intake Point supplying a single Offtake Point it is difficult to describe a pipeline's capacity in simple terms. Vector's pipelines serve multiple Offtake Points most of which are entirely independent of each other notwithstanding that they may supply similar loads, for example dairy factories, or be subject to similar influences, such as the weather.

In addition, since gas is a compressible fluid the quantity of energy stored within

a pipeline ("line pack") may change significantly over time as pressures within the pipeline change. As a consequence the flow at a pipeline's Intake Point need not necessarily equate to the sum of the offtakes at any given time. This has a significant bearing on a pipeline's ability to supply the various Offtake Points.

It is the interaction of all the time-varying offtakes along its length that determines a pipeline's capacity to transport gas from the Intake Point to a given Offtake Point. Therefore capacity must generally be defined as the ability to transport gas from the Intake Point to a given Offtake Point *subject to* what is happening at other Offtake Points at the same time. Where there are multiple large Offtake Points a significant change at any one of them may materially affect the capacity available to the others.

Information contained in this report is presented in good faith in order to comply with the Regulations and to give an overview of the capacity of Vector's transmission systems.

However, shippers or potential shippers should not base their business decisions on the information contained in this report without consulting Vector.

Vector will accept no responsibility for the consequences of any misunderstanding, misinterpretation or misuse of information contained in this report.

While reasonable care has been taken in the preparation of this report, Vector takes no responsibility for the consequences of any errors that may be contained herein.

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2. TRANSMISSION SYSTEMS

(Ref. Schedule 1 Part 5, Clause 1)

The attached map and pipeline schematics (sheets 01 to 06) depict Vector's high-pressure gas transmission pipelines dealt with in this disclosure. They show all Intake and Offtake Points, other pipeline stations including compressor stations, pressure reductions stations and main line (ie line-break isolation) valves, pipe sizes and other information.

Distances between any two stations on the same pipeline can be calculated from the respective station numbers shown on the schematics, as follows:

The last 4 digits of each station number give the distance in km (ie wxy.z km) of that station from the origin of the particular pipeline or lateral on which it is located.

Example 1: Gisborne Sales Gate has the station number 5052013. This means that this station is on the 505 lateral, which starts at the Gisborne Offtake Station near Kawerau, and is 201.3 km downstream of that point.

Example 2: The distance between the Southdown and Henderson Delivery Points (on the North System) is found by subtracting the upstream station number from the downstream, ie:

Henderson station number	=	4300355
Southdown station number	=	4300015
Distance between these points	=	34.0 km

Tables 2.7.1, 2.7.2 and 2.7.3 show the station number, location and map grid reference of each Intake and Offtake Point.

Clause 23 (4) of the Regulations requires Vector to treat the following four transmission pipelines as separate transmission systems:

- North (ie north of Rotowaro)
- Central (ie Kapuni to Rotowaro including the Morrinsville sub-system)
- Bay of Plenty (ie east of Pokuru)
- South (ie south of Kapuni)

The Central System is currently divided into two sections, the Central (North) and Central (South). There is an interconnection between the Central (South) System and the Bay of Plenty System at Pokuru (No.2).

This report also includes the Frankley Rd to Kapuni transmission pipeline.

Therefore the transmission pipelines presented in this disclosure are:

- **North:** extending from the end of the Maui pipeline at Rotowaro (near Huntly) to Auckland, then through to Kauri north of Whangarei;
- **Central (North):** extending from Rotowaro to Hamilton (Temple View) and including the Morrinsville sub-system;

- **Central (South):** extending from the Kapuni Gas Treatment Plant to the interconnection to the Bay of Plenty System at Pokuru (“Pokuru No.2 Offtake”);
- **Bay of Plenty:** extending east from Pokuru (near Te Awamutu) on the Maui line to Tauranga, Taupo and Gisborne, etc;
- **South:** extending south from the Kapuni Gas Treatment Plant to Wellington and Hastings;
- **Frankley Rd to Kapuni:** extending from the Frankley Rd Offtake Station on the Maui pipeline near New Plymouth to the Kapuni Gas Treatment Plant, including laterals to the TCC Power Station and the Ammonia-Urea Plant.

For convenience a certain amount of information has been extracted from the attached schematics and presented in the following tables. Note that “MAOP” means the maximum allowable operating pressure of the pipeline.

Table 2.1 North System

The pipeline consists of the following main sections (ie excluding minor laterals):

Pipeline Segment	Nominal Bore (mm)	Length (km)	MAOP (bar g)
Rotowaro - Papakura East Pressure Reducing Station	350	60.8	86
Papakura East Pressure Reducing Station - Westfield	350	26.7	66
Rotowaro - Papakura West	200	60.8	86
Ingram Rd - Glenbrook	150	23.0	86
Westfield - Henderson	200	35.5	66
Henderson - Whangarei Offtake	150	145.4	86
Whangarei - Kauri	100	21.5	86

Table 2.2 Central (North) System

This pipeline consists of the following main sections

Pipeline Segment	Nominal Bore (mm)	Length (km)	MAOP (bar g)
Rotowaro - Te Kowhai	200	25.8	86
Te Kowhai - Te Rapa Offtake	150	6.3	86
Te Rapa lateral	200	1.3	86
Te Rapa Offtake - Horotiu East	150	1.0	86
Horotiu East - Kuranui Rd	100	24.8	86
Kuranui Rd - Cambridge	80	22.7	86
Kuranui Rd - Morrinsville	150	8.5	86
Morrinsville - Waitoa	100	9.4	86
Te Kowhai - Temple View	200	9.7	86

Table 2.3 Central (South) System

This pipeline consists of the following main sections

Pipeline Segment	Nominal Bore (mm)	Length (km)	MAOP (bar g)
Kapuni - New Plymouth Offtake	200	52.9	86
New Plymouth lateral	100	10.5	86
New Plymouth - Mahoenui Compressor.	200	81.7	86
Mahoenui Compressor. - Pokuru No.2 Offtake	200	84.0	86
Pokuru No.2 Offtake - Temple View	200	24.5	86

Table 2.4 Bay of Plenty System

This pipeline consists of the following main sections.

Pipeline Segment	Nominal Bore (mm)	Length (km)	MAOP (bar g)
Pokuru - Kinleith	300	78.8	86
Kinleith - Kawerau	200	103.1	86
Kawerau - Whakatane	100	13.7	86
Kawerau - Gisborne	100/200	184/17.3	86
Lichfield - Mt Maunganui Offtake	150/100	34.3/43.7	86
Taupo lateral	100/150	18.2/20.7	86
Rotorua lateral	80	18	86

Table 2.5 South System

This pipeline consists of the following main sections. This system is extensively looped. Loops are tabulated separately.

Pipeline Segment	Nominal Bore (mm)	Length (km)	MAOP (bar g)
Kapuni GTP - Hawera	200	17.8	86
Hawera - Wanganui	200	79.9	86
Wanganui - Himatangi	200	51.4	86
Himatangi - Palmerston North O/T	150/80	23.8/23.8	86
Palmerston North - Hastings	150/200	5.8/123.5	86
Himatangi - Wellington	200	104.1	86

The looped sections of the system are:

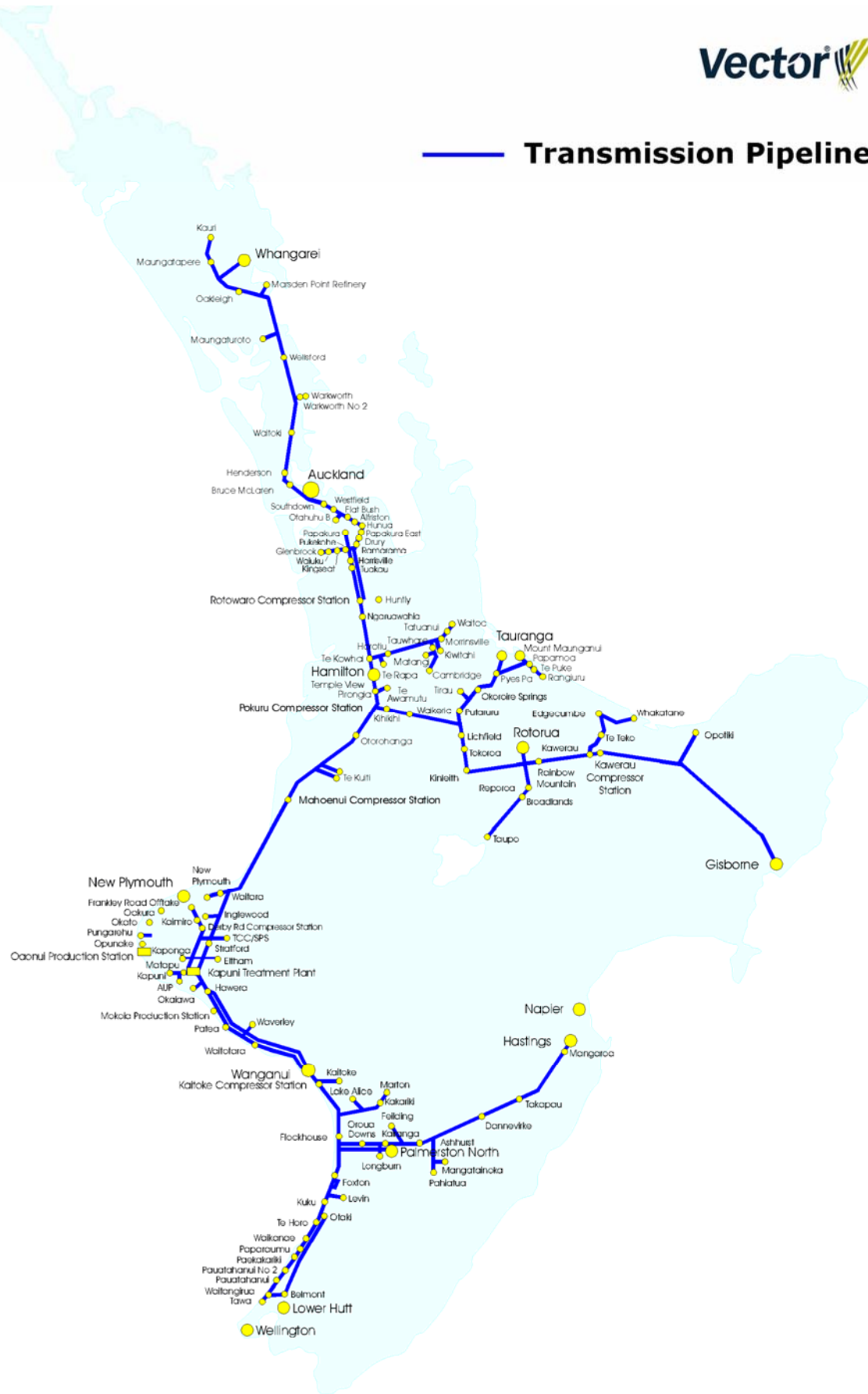
Pipeline Segment	Nominal Bore (mm)	Length (km)	MAOP (bar g)
Hawera - Kaitoke Compressor	300	87.3	86
Otaki Tie-In - Belmont	300	55.7	86

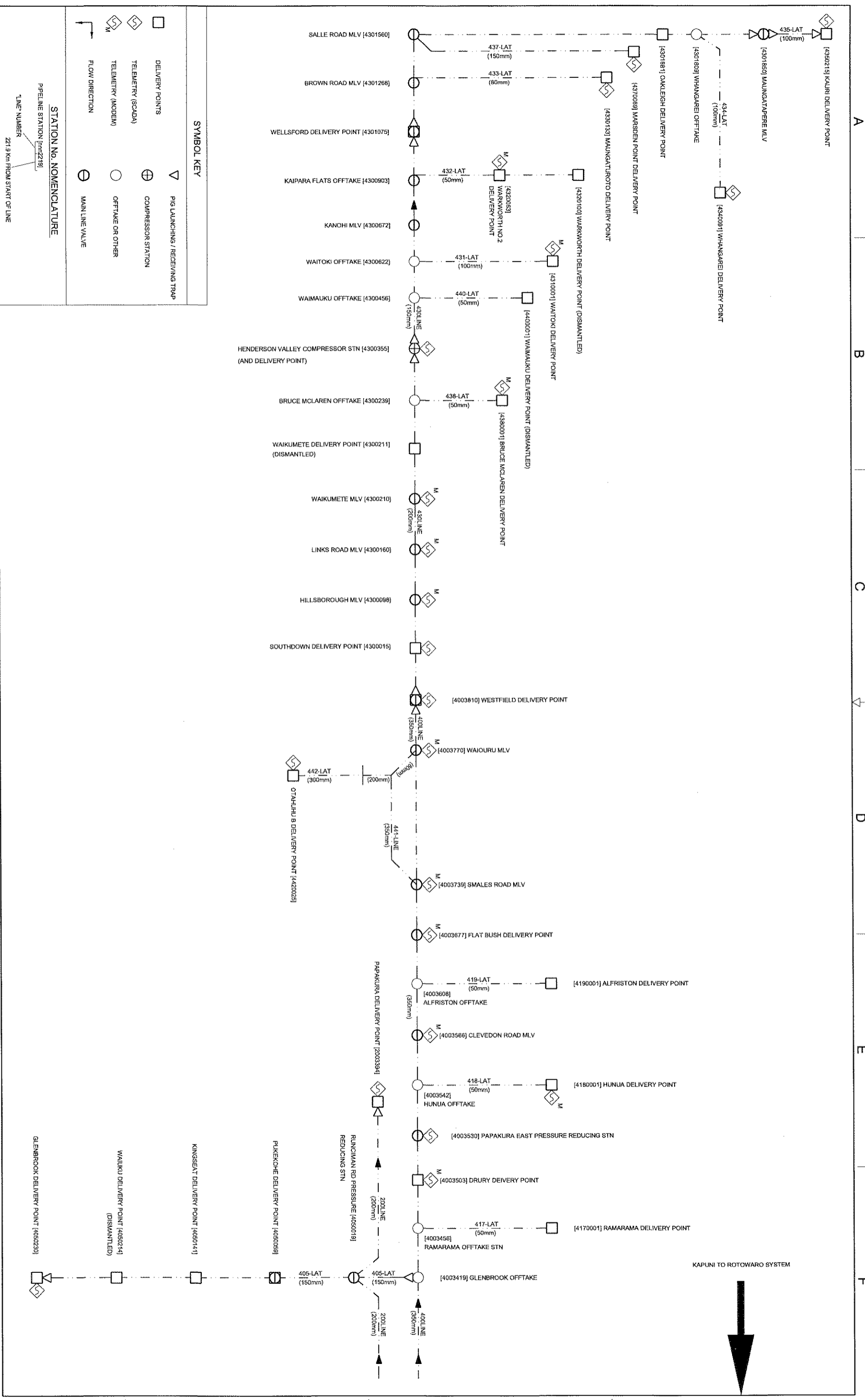
Table 2.6 Frankley Rd to Kapuni System

This pipeline consists of the following main sections.

Pipeline Segment	Nominal Bore (mm)	Length (km)	MAOP (bar g)
Frankley Rd - Derby Rd Compressor	500	22.3	66
Derby Rd - Pembroke Rd	500	5.5	66
Pembroke Rd - TCC Power Station	500	8.6	66
Pembroke Rd - Kapuni GTP	500	18.8	66
Kapuni - Ammonia Urea Offtake	100	0.4	86
Ammonia Urea Offtake - Lactose	100/200	1.8/1.3	86

Transmission Pipelines





STATION NO. NOMENCLATURE
PIPELINE STATION [from 2219]
LINE NUMBER 221.9 km FROM START OF LINE

REV	AMENDMENT	DRAWN	CHKD	ENGR	APPR	DATE
12	GENERAL REVISION	SKM	AJW	HD	DI	12/20/07
11	WARWORTH NO 2 DP ADDED	SKM	AJW	DI	DI	10/20/07
10	MAUNGATAPERE DELIVERY POINT RENAMED	SKM	AJW	DI	DI	10/20/06
9	REVISED FOR VECTOR RE-BRANDING	SKM	AJW	DI	DI	08/20/06
8	430 LINE SIZE CORRECTED	AJW	SKM	RDJA	SFI	07/20/04
7	WAITOKI DELIVERY POINT REMOVED	SKM	SKM	DI	DI	09/20/03
6	WAITOKI LATERAL ADDED	SKM	SKM	DI	DI	09/99
5	WARPH'S RD RENAMED TO FLAT BUSH	SKM	SKM	DI	DI	09/99
4	STATION NAMES & NUMBERS CHANGED	SKM	SKM	DI	DI	02/99
3	OTAHU LATERAL ADDED	SKM	SKM	DI	DI	09/98

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ACTUAL DRAWING SIZE : A1 FRAME A1-BENGRF

REFERENCE DRAWINGS

BY	DATE
KCT	

DRAWN BY: KCT
CHECKED BY: KCT
ENGINEER APPROVED

DISCLOSURE REGULATIONS

GENERAL
PIPELINE SCHEMATIC - NORTH SYSTEM 200, 400, 430 LINES

SCALE:	JOB NO.	SERIES	DRG NO.	SHT 01	REV
NTS	DIS-REG	0000	001	06	12

DO NOT SCALE OFF DRG

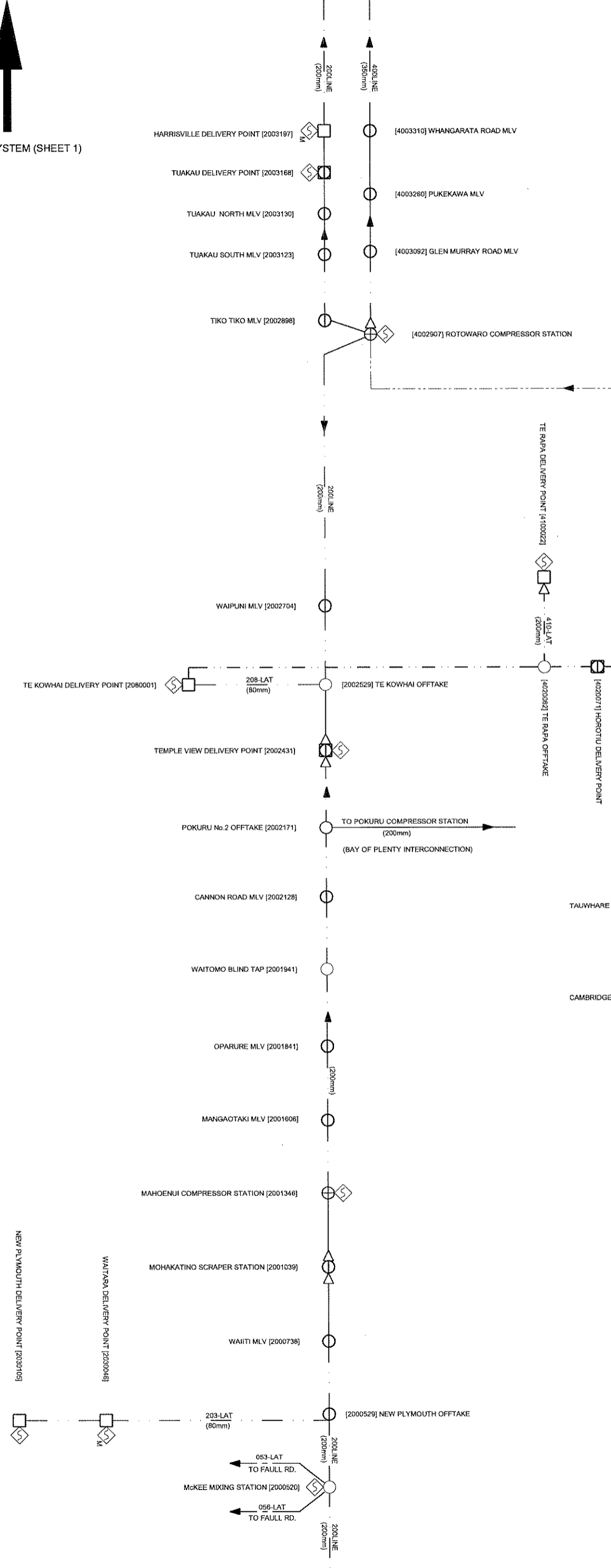
SYMBOL KEY

	DELIVERY POINTS		PIG LAUNCHING / RECEIVING TRAP
	TELEMETRY (SCADA)		COMPRESSOR STATION
	TELEMETRY (MODEM)		OFFTAKE OR OTHER
	FLOW DIRECTION		MAIN LINE VALVE

STATION NO. NOMENCLATURE

PIPELINE STATION [LINE NO.] [LINE NO.]
 LINE NUMBER
 221.9 KM FROM START OF LINE

NOTES:
 1. 429-LAT IS A NETWORKS PIPELINE



NORTH SYSTEM (SHEET 1)

SOUTH SYSTEM (SHEET 1)

REV	AMENDMENT	DRAWN	CHKD	ENG	APPR	DATE
9	GENERAL REVISION	SKM	AJW	HD	DI	12/2007
8	MODIFIED TO WAITARA DP	SKM	AJW	DI	SFI	10/2007
7	REVISED FOR VECTOR RE-BRANDING	SKM	AJW	DI	SFI	09/2006
6	FLOW DIRECTIONS CORRECTED	AJW	SKM	SKM	SFI	09/2006
5	FLOW DIRECTIONS CORRECTED	AJW	SKM	SKM	SFI	02/2004
4	TE RAPA SCADA REFERENCE ADDED	SKM	AJW	JKG	OFM	11/2003
3	POKURU No. 2 OFFTAKE ADDED	SKM	SKM	SKM	SKM	09/2000
2	STATION NAMES & NUMBERS CHANGED	SKM	SKM	SKM	SKM	09/99
1	TELEMETRY MODA SITES INDICATED	SKM	SKM	SKM	SKM	07/06/96
A	ISSUED FOR APPROVAL	KCT	KCT			

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REFERENCE DRAWINGS

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KCT	

DISCLOSURE REGULATIONS

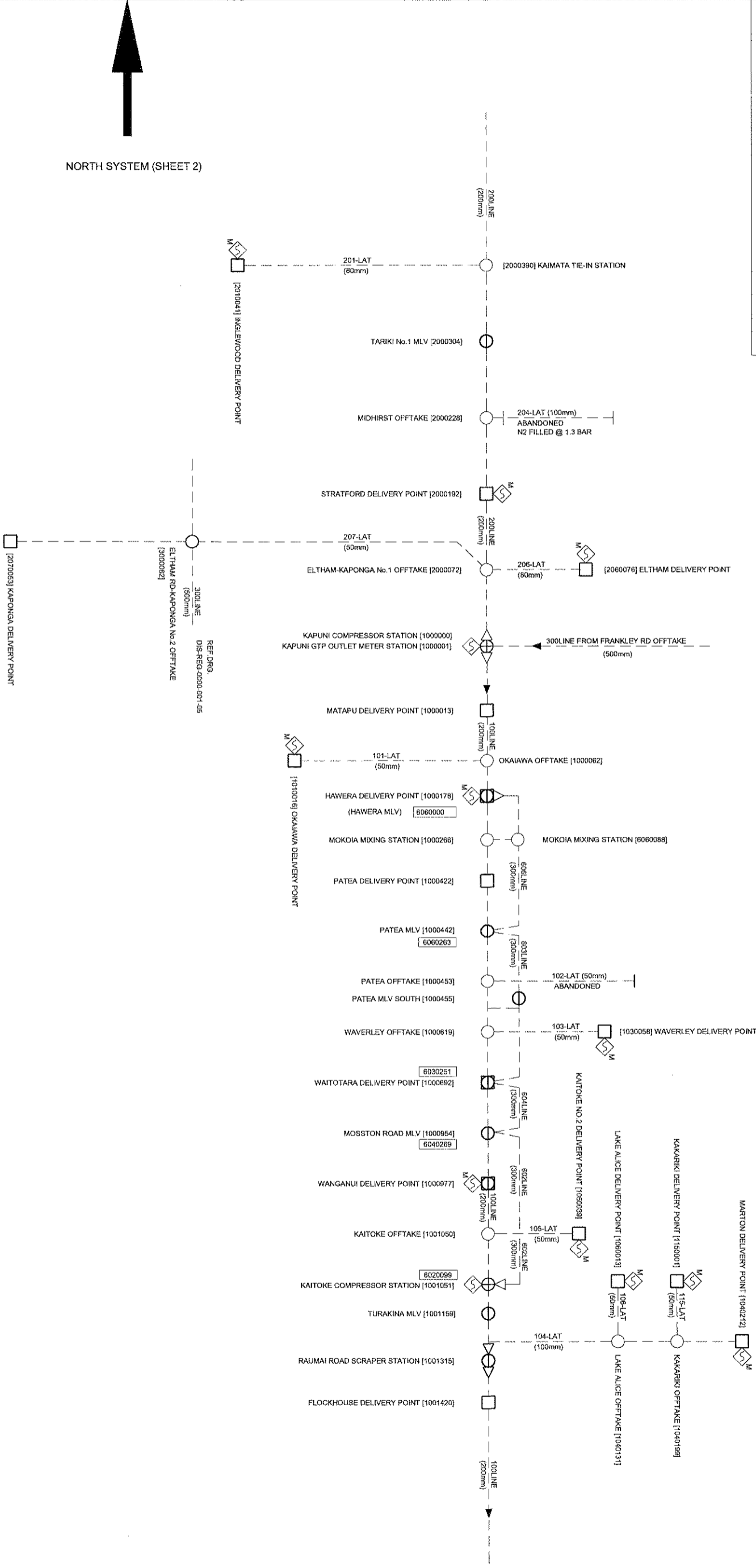
GENERAL
 PIPELINE SCHEMATIC - KAPUNI TO ROTOWARO/MORRINSVILLE SYSTEM

SCALES:
 NTS
 DO NOT SCALE OFF DRG

JOB NO.	DIS-REG	SERIES	DRG NO.	SHT OF	REV
		0000	001	06	9

SYMBOL KEY	
	DELIVERY POINTS
	PIG LAUNCHING / RECEIVING TRAP
	TELEMETRY (SCADA)
	COMPRESSOR STATION
	TELEMETRY (MODERN)
	OFFTAKE OR OTHER
	FLOW DIRECTION
	MAIN LINE VALVE

STATION NO. NOMENCLATURE
 PIPELINE STATION [mm2219]
 LINE NUMBER
 221.9 Km FROM START OF LINE



NORTH SYSTEM (SHEET 2)

SOUTH SYSTEM (SHEET 2)

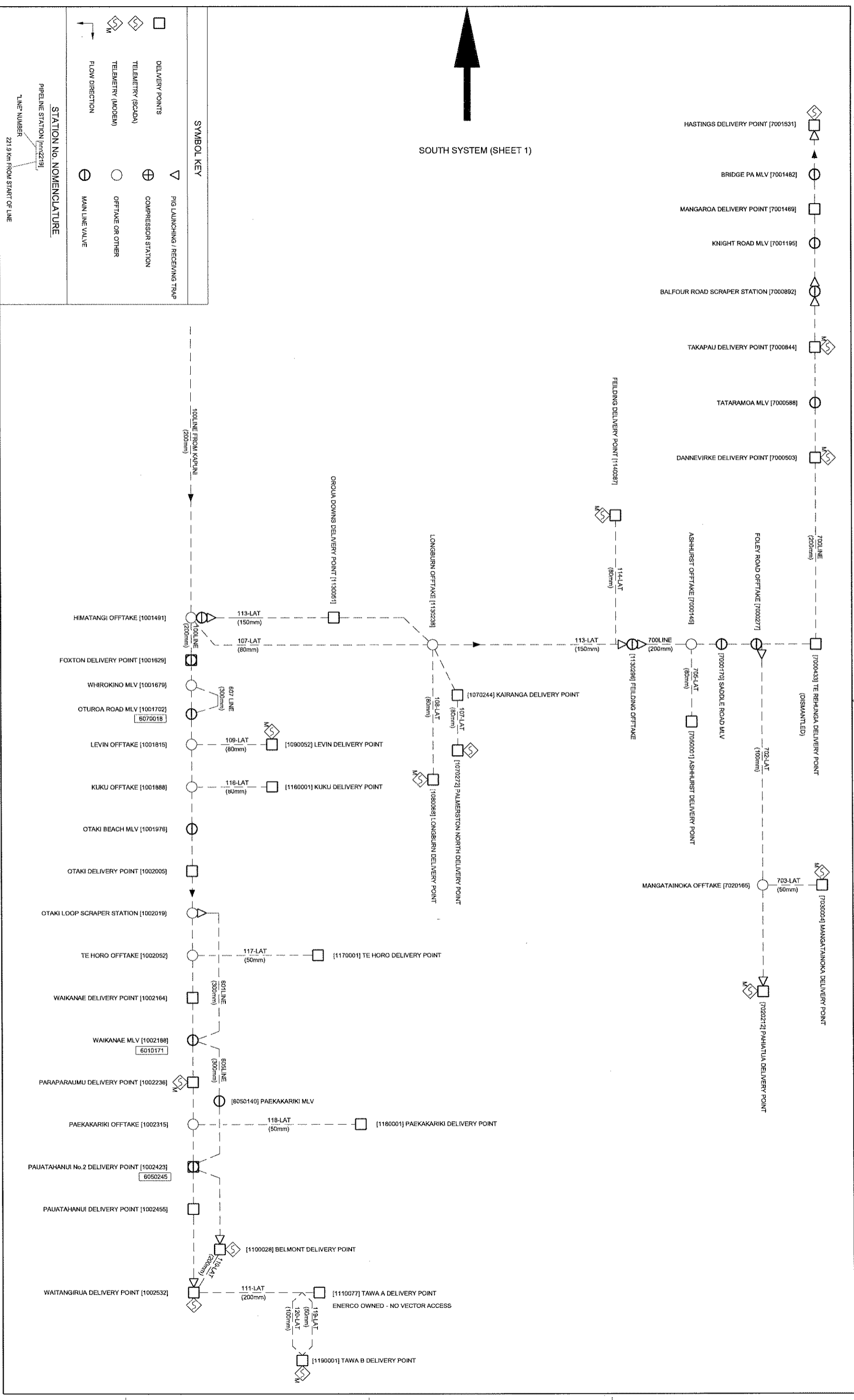
REV	AMENDMENT	DRAWN	CHKD	ENG	APPR	DATE
A	ISSUED FOR APPROVAL	SKH	KCT			07/09/06
2	STATION NAMES UPDATED	SKH				02/99
1	TELEMETRY MODERN SITES INDICATED	SKH				09/98
3	NOTES ADDED	SKH				08/2004
4	MOKOIA MIXING STATION ADDED	SKH				08/2004
5	INGLEWOOD OIT CHANGED TO KAWATA TI	SKH				08/2006
6	REVISED FOR VECTOR RE-BRANDING	SKH				10/2007
7	MODELS ADDED	SKH				12/2007
8	GENERAL REVISION	SKH				10/2007

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KCT	
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ENGINEER	
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DISCLOSURE REGULATIONS	
GENERAL PIPELINE SCHEMATIC - SOUTH SYSTEM (SHEET 1)	
SCALES:	JOB NO.
NTS	DIS-REG
DO NOT SCALE OFF DRG	SERIES
	0000
	DRG NO.
	001
	SHT 03
	OF 06
	SHTS
	REV
	8



SYMBOL KEY

	DELIVERY POINTS		PIG LAUNCHING / RECEIVING TRAP
	TELEMETRY (SCADA)		COMPRESSOR STATION
	TELEMETRY (MODEM)		OFFTAKE OR OTHER
	FLOW DIRECTION		MAIN LINE VALVE

STATION NO. NOMENCLATURE

PIPELINE STATION [mm2219]

LINE NUMBER 2219 km FROM START OF LINE

REV	AMENDMENT	DRAWN	CHKD	ENG	APPR	DATE
7	GENERAL REVISION	SKM	AJW	HD	DI	12/2007
6	REVISED FOR VECTOR RE-BRANDING	SKM	AJW		SFI	08/2006
5	120 LATERAL ADDED TO TAWA B	SKM	AV		BS	01/2003
4	STATION NAMES UPDATED	SKH				09/2002
3	STATION NAMES UPDATED	SKH				02/99
2	TELEMETRY MODEM SITES INDICATED	SKH				09/98
1	WHITBY BLIND TAP REMOVED, TAWA B SALES SKH GATE ADDED	SKH				01/98
A	ISSUED FOR APPROVAL	KCT				07/08/96

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ENGINEER	
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DISCLOSURE REGULATIONS

GENERAL

PIPELINE SCHEMATIC - SOUTH SYSTEM (SHEET 2)

SCALES:
NTS
DO NOT SCALE OFF DRG

JOB NO.	SERIES	DRG NO.	SHT	REV
DIS-REG	0000	001	04	7

SYMBOL KEY

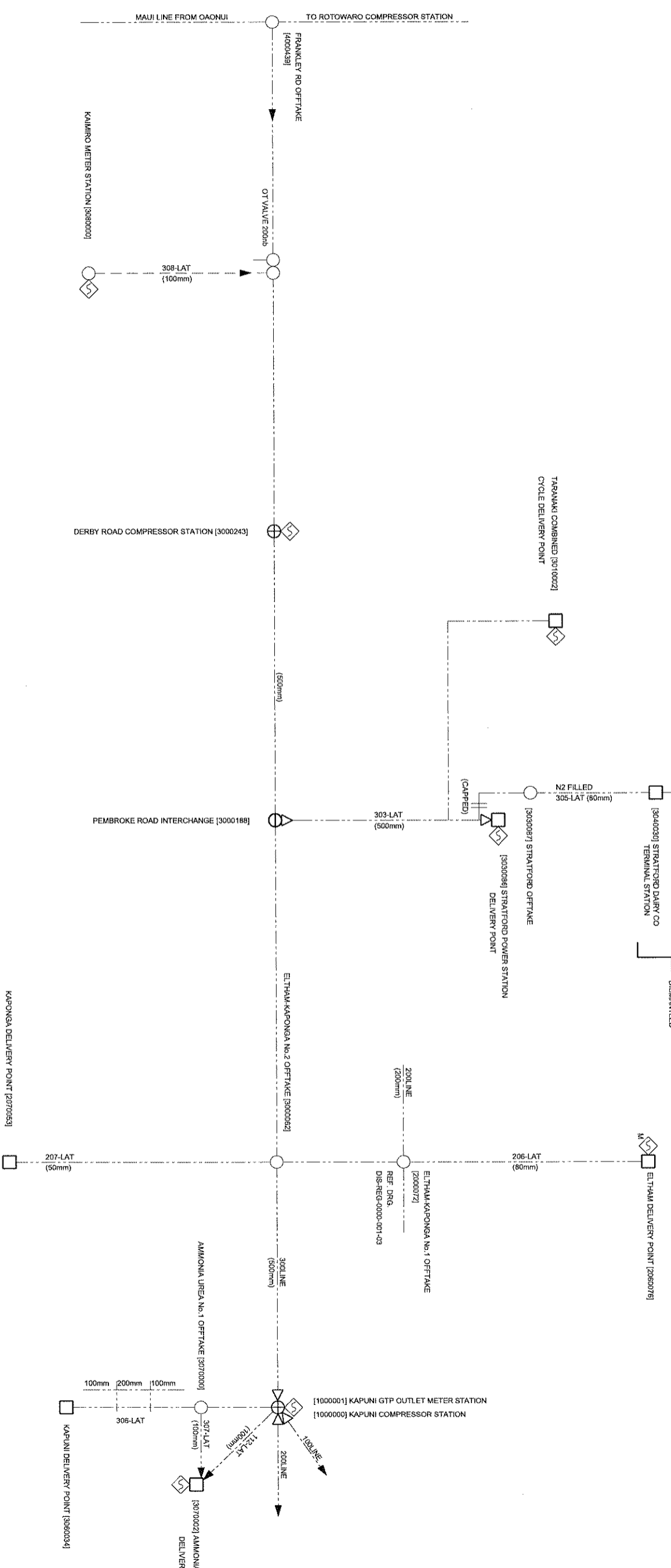
	DELIVERY POINTS		PIG LAUNCHING / RECEIVING TRAP
	TELEMETRY (SCADA)		COMPRESSOR STATION
	TELEMETRY (MODEM)		OFFTAKE OR OTHER
	FLOW DIRECTION		MAIN LINE VALVE

STATION NO. NOMENCLATURE

PIPELINE STATION [LINE:2219]

LINE NUMBER

221.9 KM FROM START OF LINE



REV	AMENDMENT	DRAWN	CHKD	ENG	APPR	DATE
6	GENERAL REVISION	SKM	AJW	HD	DI	12/2007
5	REVISED FOR VECTOR RE-BRANDING	SKM	AJW	-	SFI	08/2006
4	KAPUNI COMPRESSOR STATION ADDED	AJW	SKM	RDY	SFI	02/2004
3	FRANKLEY RD OFFTAKE ADDED	SKH	SKM	-	-	09/2000
2	STATION NAMES & NUMBERS CHANGED	SKH	SKH	-	-	02/99
1	TCC ADDED	SKH	SKH	-	-	09/98
A	ISSUED FOR APPROVAL	KCT	KCT	-	-	07/09/95

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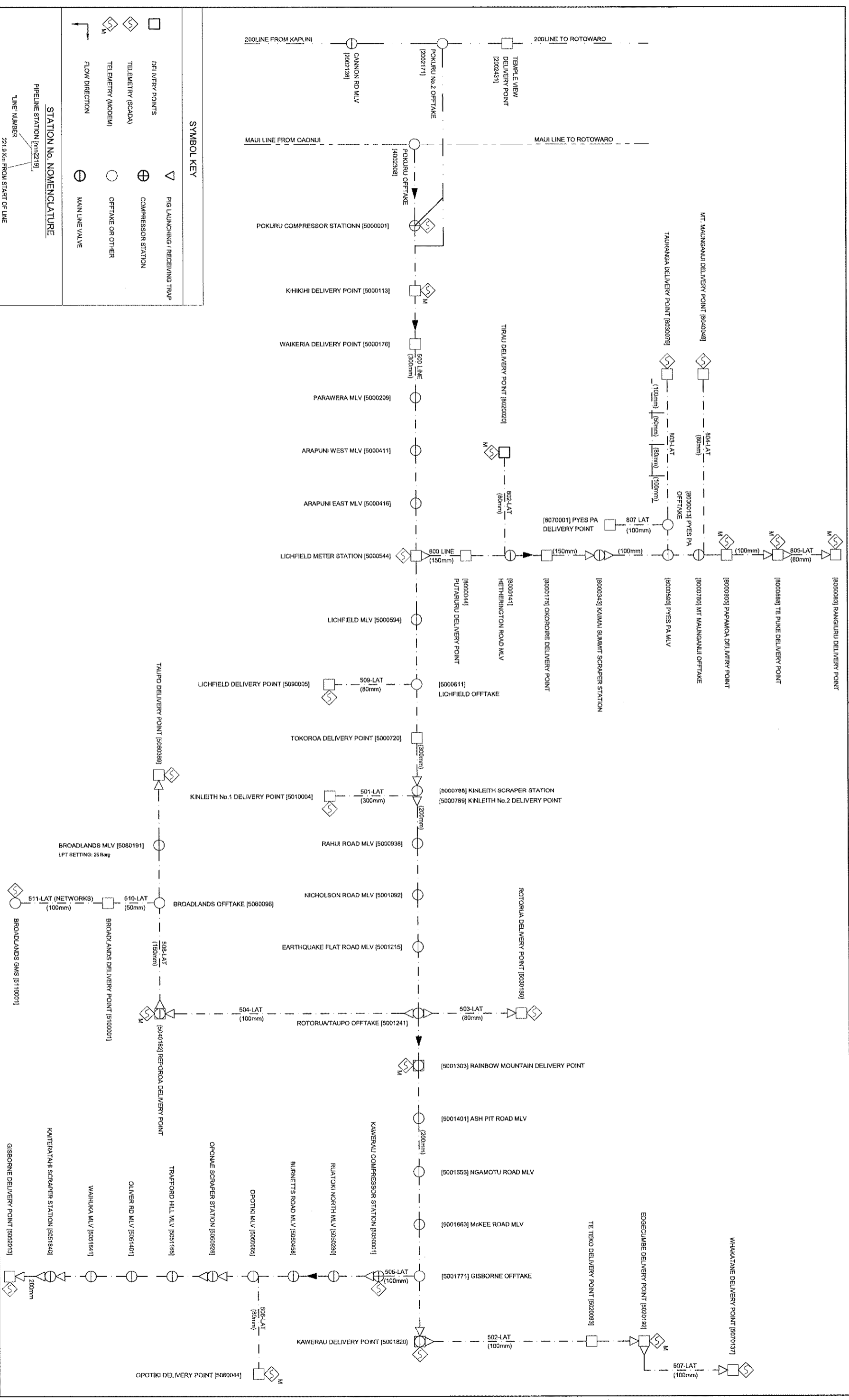
DISCLOSURE REGULATIONS

GENERAL

PIPELINE SCHEMATIC - FRANKLEY ROAD TO KAPUNI

SCALES:	JOB NO.	SERIES	DRG NO.	SHT OF	REV
NTS	DIS-REG	0000	001	06 OF 05 SHTS	6

DO NOT SCALE OFF DRG



SYMBOL KEY

	PIG LAUNCHING / RECEIVING TRAP
	DELIVERY POINTS
	COMPRESSOR STATION
	TELEMETRY (SCADA)
	TELEMETRY (MODEM)
	OFFTAKE OR OTHER
	FLOW DIRECTION
	MAIN LINE VALVE

STATION NO. NOMENCLATURE

PIPELINE STATION [ID] [LINE NO.]

"LINE" NUMBER 221.9 Km FROM START OF LINE

REV	AMENDMENT	DRAWN	CHKD	ENG	APPR	DATE
7	GENERAL REVISION	SKM	AW	HD	DI	12/2007
6	REVISED FROM SITE MARK UP W/O 80004	SKM	AW	DT	PAR	08/2005
5	REVISED FOR VECTOR RE-BRANDING	SKM	AW	SFI	SFI	08/2005
4	BROADLANDS OFFTAKE 'P' & GAS ADDED	AW	AW	SKM	SKM	08/2005
3	200 LINE THE IN ADDED	SKH	SKH	SKH	SKH	08/2005
2	STATION NAMES CHANGED	SKH	SKH	SKH	SKH	02/99
1	TELEMETRY MODERN SITES INDICATED	SKH	SKH	SKH	SKH	09/98
A	ISSUED FOR APPROVAL	KCT	KCT	KCT	KCT	/ /

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REFERENCE DRAWINGS

BY	DATE

DISCLOSURE REGULATIONS

GENERAL PIPELINE SCHEMATIC - BAY OF PLENTY SYSTEM

SCALES:	JOB NO.	SERIES	DRG NO.	SHT	OF	REV
NTS	DIS-REG	0000	001	06	06	7

DO NOT SCALE OFF DRG

3. INTAKE POINTS (Ref. Schedule 1 Part 5, Clause3)

In the year ending 30 June 2008 the Intake Points for Vector's transmission pipelines were as follows:

North System

There was only a single Intake Point, at Rotowaro. All gas entering the North System there was received from the Maui Pipeline.

South System

There were two major Intake Points for the South System, namely the Kapuni Gas Treatment Plant and the Mokoia Mixing Station, south of Hawera.

Central System

Rotowaro was the sole Intake Point for the Central (North) System.

The sole Intake Point for the Central (South) System was at the Kapuni Gas Treatment Plant.

Bay of Plenty System

Gas entered the Bay of Plenty System either through the Pokuru No.1 Intake Point (from the Maui pipeline) or the Pokuru No.2 Intake Point (from the Central (South) System).

The Pokuru No.2 Offtake is not a determining factor in the capacity of the Bay of Plenty System. The Pokuru No.1 and Pokuru No.2 Intake Points are located within a hundred metres or so of each other, adjacent to the Pokuru compressor station.

Frankley Rd System

During 2006 the Frankley Rd System became "bi-directional". Means of injecting gas into the system at Kapuni were installed, while metering at the Frankley Rd Intake Point was changed to allow two-way flow. (The latter change reflected the introduction of "open access" on the Maui pipeline; in effect Frankley Rd became both an Intake Point and an Offtake Point.)

In practise however, the great bulk of the gas which entered the Frankley Rd System did so via the Intake Point from the Maui pipeline at Frankley Rd.

The TAW Interconnection point at Stratford was used very little.

Therefore the Frankley Rd Intake Point was treated as the sole Intake Point for the Frankley Rd System.

4. **OFFTAKE POINTS** (Ref. Schedule 1 Part 5, Clause 4)

Tables 4.1 to 4.6, respectively, give the following information for each pipeline:

- Date of the system peak week
- The throughput of each Offtake Point in the system peak week
- For each Offtake Point with a throughput in the system peak week greater than 2,000 GJ, the dates of the Offtake Point's peak week
- For each Offtake Point with a throughput in the system peak week greater than 2,000 GJ, the Offtake Point's peak week throughput
- The average throughput in the system peak week of all Offtake Points with a throughput in the system peak week less than 2,000 GJ
- Total system throughput in the system peak week
- The theoretical numerical factor (ie multiplier) by which the throughput of each Offtake Point with a throughput in the system peak week greater than 2,000 GJ could have been increased, assuming:
 - the same load profile at each Offtake Point; and
 - no capital expenditure (ie no system expansion); and
 - no change in throughput at other Offtake Points
- The *increase* in weekly throughput after applying the above factor. (NB: If the factor is "x" the *increase* is $(x-1) \times$ weekly throughput.)

TABLE 2.7.1 LOCATION OF INTAKE AND OFFTAKE POINTS

Ref. Schedule 1 Part 5, Clause 1 (1)

SYSTEM	INTAKE POINT	OFFTAKE POINT	STATION NUMBER	LOCATION		NZMS 260 GRID REFERENCE
North	Rotoraro		4002907	Waikokowai Rd	Huntly	S13 928027
		Alfriston	4190001	Phillip Rd	Manukau City	R11 842626
		Bruce McLaren	4300239	Bruce McLaren Rd	Glen Eden	R11 548763
		Drury 1 & 2	4003496	Waihoehoe Rd	Drury	R12 848533
		Flat Bush	4003677	171 Murphy's Rd	Flat Bush	R11 815670
		Glenbrook	4050230	Mission Bush Rd	Glenbrook	R12 642422
		Harrisville	2003197	Harrisville Rd	Harrisville	R12 838385
		Henderson	4300356	110 Amriens Rd	Taupaki	Q11 487837
		Hunua	4180001	Parker St	Papakura	R12 848570
		Kauri	4350215	SH 1 (near Vinegar Hill Rd)	Kauri	Q06 283174
		Kingseat	4050141	Kingseat Rd	Patumahoe	R12 717453
		Marsden 1	4370069	Mair Rd	Marsden Point	Q07 459943
		Marsden 2	4370069	Mair Rd	Marsden Point	Q07 459943
		Maungaturoto DF	4330133	SH 12	Maungaturoto	Q08 343654
		Oakleigh	4301681	Whittle Rd	Oakleigh	Q07 316927
		Otahuhu B	4420025	Hellabys Rd	Otara	R11 762708
		Papakura	2003394	Hingaia Rd	Papakura	R12 817570
		Pukekohe	4050059	Butcher Rd	Pukekohe	R12 790452
		Ramarama	4170001	Ararimu Rd	Ramarama	R12 850489
		Southdown	4300015	Hugo Johnston Drive	Penrose	R11 731732
Tuakau	2003168	Bollard Rd	Tuakau	R12 839356		
Waitoki	4310001	Kaihikatea Flat Rd	Rodney	Q10 468064		
Waiuku	4050214	Glenbrook Rd	Glenbrook	R12 658422		
Warkworth	4320100	Woodcocks Rd	Warkworth	R09 585313		
Wellsford	4301075	Farmers Lime Rd	Wellsford	Q09 495466		
Westfield	4003781	Mt Wellington Highway	Westfield	R11 744738		
Whangarei		4340091	Dyer St	Whangarei	Q07 294040	

Central (North)	Rotoraro		4002907	Waikokowai Rd	Huntly	S13 928027
		Cambridge	4070227	Bruntwood Rd	Cambridge	S15 269689
		Hamilton (Te Kowhai)	2080001	Limmer Rd	Hamilton	S14 008817
		Hamilton (Temple View)	2002431	Foster Rd	Temple View	S14 049733
		Horotiu	4020071	Horotiu Bridge Rd	Te Rapa	S14 048869
		Kiwitahi	4090014	Morrinsville - Walton Rd	Morrinsville	T14 348887
		Matangi	4080039	Tauwhare Rd	Matangi	S14 213747
		Morrinsville	4020406	Railway Yards	Morrinsville	T14 340907
		Morrinsville DF	4020406	Railway Yards	Morrinsville	T14 340907
		Tatuanui	4020470	SH 26	Tatuanui	T14 391942
		Tauwhare	4070131	Tauwhare Rd	Tauwhare	S14 237773
		Te Rapa	4100022	SH 1	Te Rapa	S14 054852
		Te Rapa Cogeneration	4100022	SH 1	Te Rapa	S14 054852
		Waitoa	4020500	Wood Rd	Waitoa	T14 422943

Central (South)	Kapuni		1000001	Palmer Rd	Kapuni	Q20 110918
		Eltham	2060076	North St	Eltham	Q20 213964
		Kaponga	2070059	Manaia Rd	Kaponga	P20 089976
		Inglewood	2010041	Tarata Rd	Inglewood	Q19 153267
		New Plymouth	2030105	195a Connett Rd	New Plymouth	Q19 111409
		Stratford	2000192	Pembroke Rd	Stratford	Q20 157083
Waitara		2030046	Waitara Rd	Waitara	Q19 168402	

TABLE 2.7.2 LOCATION OF INTAKE AND OFFTAKE POINTS

Ref. Schedule 1 Part 5, Clause 1 (1)

SYSTEM	INTAKE POINT	OFFTAKE POINT	STATION NUMBER	LOCATION		NZMS 260 GRID REFERENCE
Bay of Plenty	Pokuru		4002308	Candy Rd	Te Awamutu	S15 040487
		Broadlands	5100001	Broadlands Rd	Reparoa	U17 003944
		Edgecumbe	5020192	Awakeri Rd	Edgecumbe	V15 470509
		Edgecumbe DF	5020192	Awakeri Rd	Edgecumbe	V15 470509
		Gisborne	5052013	Back Ormond Rd	Gisborne	Y18 442740
		Kawerau	5001820	East Bank Rd	Kawerau	V15 361407
		Kawerau (Caxton mill)	5001820	East Bank Rd	Kawerau	V15 361407
		Kawerau (Tasman mill)	5001820	East Bank Rd	Kawerau	V15 361407
		Kihikihi (Te Awamutu)	5000113	Brill Rd, Kihikihi	Te Awamutu	S15 148481
		Kinleith	5010004	Off Old Taupo Rd	Kinleith	T16 617218
		Kinleith (mill)	5000789	Off Old Taupo Rd	Kinleith	T16 617218
		Lichfield DF	5090005	SH 1	Lichfield	T16 572370
		Mt Maunganui	8040049	Truman Rd	Mt Maunganui	U14 951854
		Okoroire Springs	8000175	Somerville Rd	Okoroire	T15 568568
		Opotiki	5060044	Factory Rd	Opotiki	W15 848440
		Papamoa	8000805	SH 2	Te Puke	U14 997818
		Pyes Pa	8070001	Lakes boulevard	Pyes Pa, Tauranga	U14 842 802
		Putaruru	8000044	SH 1	Putaruru	T15 549458
		Rainbow Mountain	5001303	Okaro Rd	Rotomahana	U16 068167
		Rangiuru	8050083	SH 2	Te Puke	U14 083734
		Reporoa	5040182	SH 5	Parekarangi	U17 995034
		Rotorua	5030180	SH 5	Rotorua	U16 948308
		Taupo	5080389	269 Rakaunui Rd	Taupo	U18 812776
		Tauranga	8030079	Birch Av	Tauranga	U14 872843
		Te Puke	8000888	Washer Rd	Te Puke	U14 023571
		Te Teko	5020093	Matahina Rd	Te Teko	V15 432442
		Tirau	8020020	Okoroire Rd	Tirau	T15 529549
Tirau DF	8020020	Okoroire Rd	Tirau	T15 529549		
Tokoroa	5000720	Baird Rd	Tokoroa	T16 583270		
Waikeria	5000176	Higham Rd	Kihikihi	S15 205474		
Whakatane	5070137	Mill Rd	Whakatane	W15 580533		

Frankley Rd to Kapuni	Frankley Rd		4000439	Frankley Rd	New Plymouth	P19 012304
		Ammonia-Urea Plant	3070000	Palmer Rd	Kapuni	Q20 107915
		Kapuni (Lactose plant)	3060034	Manaia Rd	Kapuni	P20 079915
		Kapuni Gas Treatment Plant	1000001	Palmer Rd	Kapuni	Q20 110918
		TCC Power Station	3010002	189 East Rd	Stratford	Q20 237074

TABLE 2.7.3 LOCATION OF INTAKE AND OFFTAKE POINTS

Ref. Schedule 1 Part 5, Clause 1 (1)

SYSTEM	INTAKE POINT	OFFTAKE POINT	STATION NUMBER	LOCATION	NZMS 260 GRID REFERENCE	
South	Kapuni		1000001	Palmer Rd	Kapuni	Q20 110918
		Ashhurst	7050001	Saddle Rd	Ashhurst	T24 448993
	Belmont	1100028	Belmont Rd	Lower Hutt	R27 698033	
	Dannevirke	7000503	Rule Rd	Dannevirke	U23 721077	
	Feilding	1140087	Campbell Rd	Feilding	S23 044295	
	Flockhouse	1001420	Parewanui Rd	Bulls	S23 018001	
	Foxton	1001629	Foxton Beach Rd	Foxton	S24 021799	
	Hastings	7001531	Karamu Rd South	Hastings	V21 394660	
	Hawera	1000178	Fairfield Rd	Hawera	Q21 193769	
	Kairanga	1070244	Gillespies Line	Palmerston North	S24 278939	
	Kaitoke	1050041	Pauri Rd	Kaitoke	R22 055344	
	Kakariki	1150001	Cnr Makirikiri Rd & Goldings Line	Marton	S23 137200	
	Kuku	1160001	Ohau West Rd	Kuku	S25 934579	
	Lake Alice	1060013	Lake Alice Rd	Lake Alice	S23 093170	
	Levin	1090052	Hokio Beach Rd	Levin	S25 009621	
	Longburn	1080068	Reserve Rd	Longburn	S24 262889	
	Manaia	1010016	Kohiti Rd	Okaiawa	Q21 122857	
	Mangaroa	7001469	Bridge Pa Rd	Mangaroa	V21 339463	
	Mangatainoka	7030004	Kohinui Rd	Mangatainoka	T24 531832	
	Marton	1040212	Wings Line	Marton	S23 144208	
	Matapu	1000013	Skeet Rd	Kapuni	Q20 119907	
	Mokoia Mixing Station	Mokoia	1000266	Mokoia Rd	Mokoia	Q21 258715
		Okaiawa	1010016	Kohiti Rd	Okaiawa	Q21 122857
		Oroua Downs	1130051	SH 1 near Omanuka Rd	Oroua Downs	S24 087939
		Otaki	1002005	off SH 1 next to Otaki River	Otaki	R25 892475
		Paekakariki	1180001	SH 1	Paekakariki	R26 755231
		Pahiatua	7020212	Mangahao Rd	Pahiatua	T24 491806
		Palmerston North	1070272	Rangitikei Line	Palmerston North	T24 304934
		Paraparaumu	1002236	Valley Rd	Paraparaumu	R26 793289
		Patea	1000422	Victoria Rd	Patea	Q22 368589
		Pauatahanui 1	1002455	Paekakariki Hill Rd	Paekakariki	R26 707117
		Pauatahanui 2	1002428	Paekakariki Hill Rd	Pauatahanui	R26 739140
		Takapau	7000844	SH 2 (Nancy St)	Takapau	U23 958266
		Tawa A	1110077	Takapu Rd	Tawa	R27 635007
		Tawa B	1190001	SH1	Tawa	R27 636008
		Te Horo	1170001	Te Horo Beach Rd	Te Horo	R25 866438
		Waikanae	1002164	Kauri Rd	Waikanae	R26 807347
		Waitangirua	1002532	Track off Waihora Crescent	Porirua East	R27 684057
		Waitotara	1000692	Waiinu Beach Rd	Waitotara	R22 586492
		Wanganui	1000977	Karoro Rd	Wanganui	R22 824377
		Waverley	1030058	Lower Otouku Rd	Waverley	R22 536577

TABLE 4.1 NORTH TRANSMISSION SYSTEM

Ref. Schedule 1 Part 5, Clause 4 (4) (a) (b) and (c)

INTAKE POINT	OFFTAKE POINTS	SYSTEM PEAK WEEK		INCREASE WITH NO CAPEX ¹		OFFTAKE PEAK WEEK	
		Week Ending	Throughput (GJ)	(Factor)	(GJ)	Week Ending	Throughput (GJ)
Rotowaro		01-Jun-08	n/a	n/a	n/a	n/a	n/a
	<i>offtakes > 2,000 GJ per week</i>						
	Otahuhu B power station	01-Jun-08	451,518	1.03	13,546	09-Sep-07	455,401
	Southdown power station	01-Jun-08	263,799	1.06	15,828	15-Jun-08	264,801
	Westfield	01-Jun-08	134,874	1.09	12,139	01-Jun-08	134,874
	Glenbrook	01-Jun-08	63,236	1.60	37,942	01-Jun-08	63,236
	Papakura	01-Jun-08	97,936	1.30	29,381	15-Jul-08	133,319
	Henderson	01-Jun-08	20,352	1.36	7,327	15-Jul-08	34,140
	Flat Bush	01-Jun-08	9,354	2.30	12,160	16-Dec-07	10,138
	Harrisville	01-Jun-08	10,639	3.90	30,853	15-Jul-08	12,851
	Bruce McLaren	01-Jun-08	6,274	2.50	9,411	15-Jul-08	7,987
	Drury	01-Jun-08	6,196	4.90	24,164	26-Aug-08	7,455
	Tuakau	01-Jun-08	3,587	8.00	25,109	18-May-08	4,644
	Warkworth	01-Jun-08	4,867	1.67	3,261	29-Jun-08	6,997
	Marsden 1 (note 2)	01-Jun-08	46,675	n/a		25-May-08	62,767
	Hunua	01-Jun-08	2,583	7.60	17,048	07-Oct-07	3,848
	Maungaturoto DF	01-Jun-08	8,612	1.95	8,181	11-Nov-07	16,521
	Waitoki	01-Jun-08	2,619	4.50	9,167	09-Sep-08	2,766
	Whangarei	01-Jun-08	4,316	3.00	8,632	15-Jul-08	5,280
			1,137,437				

<i>offtakes < 2,000 per week</i>		
Pukekohe	01-Jun-08	954
Ramarama	01-Jun-08	736
Alfriston	01-Jun-08	310
Wellsford	01-Jun-08	62
Oakleigh	01-Jun-08	0
Marsden 2	01-Jun-08	n/a
Kauri DF	01-Jun-08	0
Kingseat	01-Jun-08	48
		2,110

ie Average per Offtake < 2,000 GJ = 301

TOTAL THROUGHPUT 1,139,547

Notes:

1. Theoretical capacity assuming all other offtake points remain unchanged with no provision for operational 'headroom'.
2. This load was not included in the modelling to determine the factors for other Offtake Points.

TABLE 4.2 CENTRAL (NORTH) TRANSMISSION SYSTEM

Ref. Schedule 1 Part 5, Clause 4 (4) (a) (b) and (c)

INTAKE POINT	OFFTAKE POINTS	SYSTEM PEAK WEEK		INCREASE WITH NO CAPEX ¹		OFFTAKE PEAK WEEK	
		Week Ending	Throughput (GJ)	(Factor)	(GJ)	Week Ending	Throughput (GJ)
Rotowaro		30-Sep-07	n/a	n/a	n/a	n/a	n/a
	<i>offtakes > 2,000 GJ per week</i>						
	Te Rapa Cogeneration	30-Sep-07	128,012	1.81	103,690	30-Sep-07	128,012
	Hamilton Temple View	30-Sep-07	7,472	16.30	114,322	29-Jun-08	25,361
	Hamilton Te Kowhai	30-Sep-07	22,574	8.60	171,562	15-Jul-08	22,574
	Kiwitahi 1	30-Sep-07	6,516	4.90	25,412	18-Nov-07	6,960
	Waitoa	30-Sep-07	6,127	4.37	20,648	18-May-08	7,929
	Cambridge	30-Sep-07	12,555	1.86	10,797	14-Oct-07	14,072
	Morrinsville DF	30-Sep-07	12,169	2.96	23,851	28-Oct-07	12,682
	Tatuanui DF	30-Sep-07	6,282	5.10	25,756	04-Nov-07	6,512
			201,707				

<i>offtakes < 2,000 per week</i>		
Horotiu	30-Sep-07	1,514
Morrinsville	30-Sep-07	921
Kiwitahi 2	30-Sep-07	105
Matangi	30-Sep-07	14
Te Rapa	-	0
Tauwhare	-	0
		2,554

ie Average per Offtake < 2,000 GJ = 426

TOTAL THROUGHPUT	<u><u>204,261</u></u>
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Note:

1. Theoretical capacity assuming all other offtake points remain unchanged with no provision for operational 'headroom'.

TABLE 4.3 CENTRAL (SOUTH) TRANSMISSION SYSTEM

Ref. Schedule 1 Part 5, Clause 4 (4) (a) (b) and (c)

INTAKE POINT	OFFTAKE POINTS	SYSTEM PEAK WEEK		INCREASE WITH NO CAPEX ²		OFFTAKE PEAK WEEK	
		Week Ending	Throughput (GJ)	(Factor)	(GJ)	Week Ending	Throughput (GJ)
Kapuni		15-Jul-08	n/a	n/a	n/a	n/a	n/a
	<i>offtakes > 2,000 GJ per week</i>						
	<i>Pokuru 2</i>	<i>n/a</i>	<i>171,536</i>	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>
	New Plymouth	15-Jul-08	23,417	1.75	17,563	15-Jul-08	23,417
	Stratford	15-Jul-08	2,052	31.21	62,000	29-Jun-08	2,077
	Waitara	15-Jul-08	2,477	12.30	27,990	15-Jul-08	2,477
	Eltham	15-Jul-08	2,062	18.50	36,085	08-Jul-08	4,059
			201,544				

<i>offtakes < 2,000 per week</i>		
Inglewood	15-Jul-08	781
Kaponga	15-Jul-08	34
		815

ie Average per Offtake < 2,000 GJ = 407

TOTAL THROUGHPUT 202,359

Notes:

1. Theoretical capacity assuming all other offtake points remain unchanged with no provision for operational 'headroom'.
2. The throughput increase for Pokuru 2 represents a flat profile of 7 scm/s.

TABLE 4.4 BAY OF PLENTY TRANSMISSION SYSTEM

Ref. Schedule 1 Part 5, Clause 4 (4) (a) (b) and (c)

INTAKE POINT	OFFTAKE POINTS	SYSTEM PEAK WEEK		INCREASE WITH NO CAPEX ¹		OFFTAKE PEAK WEEK	
		Week Ending	Throughput (GJ)	(Factor)	(GJ)	Week Ending	Throughput (GJ)
Pokuru		03-Sep-07	n/a	n/a	n/a	n/a	n/a
	<i>offtakes > 2,000 GJ per week</i>						
	Kinleith (mill)	03-Sep-07	88,037	1.27	24,000	03-Sep-07	88,037
	Edgecumbe DF	03-Sep-07	26,510	1.91	24,000	07-Oct-07	32,045
	Taupo	03-Sep-07	3,472	7.91	24,000	15-Jul-08	4,340
	Mt Maunganui	03-Sep-07	13,917	2.72	24,000	18-Nov-07	16,109
	Whakatane	03-Sep-07	3,070	8.82	24,000	22-Jun-08	9,741
	Reporoa	03-Sep-07	12,905	2.86	24,000	39,348	16,348
	Rotorua	03-Sep-07	10,241	2.20	12,289	15-Jul-08	12,339
	Kawerau (Tasman mill)	03-Sep-07	12,045	2.99	24,000	04-May-08	13,535
	Kawerau (Caxton mill)	03-Sep-07	15,639	2.53	24,000	03-Sep-07	15,639
	Gisborne	03-Sep-07	7,951	3.42	19,241	23-Mar-08	15,287
	Tauranga	03-Sep-07	6,705	2.87	12,538	15-Jul-08	7,716
	Tirau DF	03-Sep-07	10,115	3.37	24,000	30-Sep-07	13,321
	Rainbow Mountain	03-Sep-07	2,357	11.18	24,000	30-Sep-07	2,550
	Lichfield DF	03-Sep-07	10,902	3.20	24,000	21-Oct-07	13,349
	Putaruru	03-Sep-07	2,327	11.31	24,000	13-Apr-08	2,950
	Papamoa	03-Sep-07	2,919	9.10	23,644	15-Jul-08	3,381
	Tokoroa	03-Sep-07	2,152	12.15	24,000	29-Jun-08	2,427
			231,264				

<i>offtakes < 2,000 per week</i>		
Kihikihi (Te Awamutu)	03-Sep-07	1,593
Rangiuru	03-Sep-07	447
Te Puke	03-Sep-07	659
Waikeria	03-Sep-07	867
Kinleith	03-Sep-07	564
Kawerau	03-Sep-07	337
Edgecumbe	03-Sep-07	3
Opotiki	03-Sep-07	189
Tirau	03-Sep-07	81
Te Teko	03-Sep-07	94
Okoroire Springs	03-Sep-07	17
Pyes Pa	03-Sep-07	108
		4,959

ie Average per Offtake<2,000 GJ = 413

TOTAL THROUGHPUT 236,223Notes:

1. Theoretical capacity assuming all other offtake points remain unchanged with no provision for operational 'headroom'.

TABLE 4.5 FRANKLEY RD TO KAPUNI TRANSMISSION SYSTEM

Ref. Schedule 1 Part 5, Clause 4 (4) (a) (b) and (c)

INTAKE POINT	OFFTAKE POINTS	SYSTEM PEAK WEEK		INCREASE WITH NO CAPEX ¹		OFFTAKE PEAK WEEK	
		Week Ending	Throughput (GJ)	(Factor)	(GJ)	Week Ending	Throughput (GJ)
Frankley Rd		08-Jun-08		n/a	n/a	n/a	n/a
	<i>offtakes > 2,000 GJ per week</i>						
	Kapuni GTP	08-Jun-08	189,961	1.72	136,772	26-Aug-07	269,914
	Ammonia-Urea Plant	08-Jun-08	62,710	4.21	201,299	05-Aug-07	67,559
	TCC power station	08-Jun-08	417,036	1.62	258,562	22-Jun-08	426,092
			669,707				

<i>offtakes < 2,000 per week</i>		
Lactose	08-Jun-08	279
		279

ie Average per Offtake < 2,000 GJ = 279

TOTAL THROUGHPUT 669,986

Notes:

1. Theoretical capacity assuming all other offtake points remain unchanged with no provision for operational 'headroom'.

TABLE 4.6.1 SOUTH TRANSMISSION SYSTEM

Ref. Schedule 1 Part 5, Clause 3 and Clause 4 (4) (a) (b) and (c)

INTAKE POINT	OFFTAKE POINTS	SYSTEM PEAK WEEK		INCREASE WITH NO CAPEX ¹		OFFTAKE PEAK WEEK	
		Week Ending	Throughput	(Factor)	(GJ)	Week Ending	Throughput
			(GJ)				(GJ)
Kapuni		15-Jul-07		n/a	n/a		
	<i>offtakes > 2,000 GJ per week</i>						
	Tawa A+B	15-Jul-07	87,327	1.45	39,297	15-Jul-07	87,327
	Belmont	15-Jul-07	53,703	1.74	39,740	15-Jul-07	53,703
	Hastings	15-Jul-07	44,601	1.72	32,113	15-Jun-08	49,487
	Palmerston North	15-Jul-07	32,936	1.55	18,115	15-Jul-07	32,936
	Wanganui	15-Jul-07	19,297	4.21	62,000	29-Jun-08	20,749
	Hawera	15-Jul-07	5,749	11.78	62,000	18-Nov-07	14,412
	Levin	15-Jul-07	8,838	4.50	30,933	15-Jul-07	8,838
	Waitangirua	15-Jul-07	10,195	4.70	37,722	15-Jul-07	10,195
	Feilding	15-Jul-07	5,975	5.99	29,815	15-Jul-07	5,975
	Longburn	15-Jul-07	5,664	8.10	40,214	18-Nov-07	8,591
	Marton	15-Jul-07	5,073	9.55	43,374	29-Jun-08	5,426
	Paraparaumu	15-Jul-07	4,698	9.50	39,933	15-Jul-07	4,698
			284,056				

<i>offtakes < 2,000 per week</i>		
Pahiatua	15-Jul-07	262
Waikanae	15-Jul-07	1,931
Dannevirke	15-Jul-07	1,884
Takapau	15-Jul-07	1,756
Kakariki	15-Jul-07	0
Okaiawa	15-Jul-07	0
Foxton	15-Jul-07	1,313
Pauatahanui 1	15-Jul-07	1,549
Mangaroa	15-Jul-07	688
Patea	15-Jul-07	697
Otaki	15-Jul-07	683
Manaia	15-Jul-07	560
Mangatainoka	15-Jul-07	1
Waitotara	15-Jul-07	527
Lake Alice	15-Jul-07	791
Kaitoke	15-Jul-07	660
Ashhurst	15-Jul-07	263
Waverley	15-Jul-07	522
Paekakariki	15-Jul-07	20
Kuku	15-Jul-07	24
Te Horo	15-Jul-07	20
Matapu	15-Jul-07	7
Pauatahanui 2	15-Jul-07	0
Oroua Downs	15-Jul-07	6
Flockhouse	15-Jul-07	0
Kairanga	15-Jul-07	88
		14,252

ie Average per Offtake<2,000 GJ = 548

TOTAL THROUGHPUT 298,308

Notes:

1. Theoretical capacity assuming all other offtake points remain unchanged with no provision for operational 'headroom'.
2. Kapuni intake maximum assumed at 560 000 GJ/week.

TABLE 4.6.2 SOUTH TRANSMISSION SYSTEM

Ref. Schedule 1 Part 5, Clause 3 and Clause 4 (4) (a) (b) and (c)

INTAKE POINT	OFFTAKE POINTS	SYSTEM PEAK WEEK		INCREASE WITH NO CAPEX ¹		OFFTAKE PEAK WEEK	
		Week Ending	Throughput	(Factor)	(GJ)	Week Ending	Throughput
			(GJ)				(GJ)
Mokoia		15-Jul-07		n/a	n/a		
	<i>offtakes > 2,000 GJ per week</i>						
	Tawa A+B	15-Jul-07	87,327	1.45	39,297	15-Jul-07	87,327
	Belmont	15-Jul-07	53,703	1.74	39,740	15-Jul-07	53,703
	Hastings	15-Jul-07	44,601	1.72	32,113	15-Jun-08	49,487
	Palmerston North	15-Jul-07	32,936	1.55	18,115	15-Jul-07	32,936
	Wanganui	15-Jul-07	19,297	5.47	86,330	29-Jun-08	20,749
	Hawera	15-Jul-07	5,749	16.02	86,330	18-Nov-07	14,412
	Levin	15-Jul-07	8,838	4.50	30,933	15-Jul-07	8,838
	Waitangirua	15-Jul-07	10,195	4.70	37,722	15-Jul-07	10,195
	Feilding	15-Jul-07	5,975	5.99	29,815	15-Jul-07	5,975
	Longburn	15-Jul-07	5,664	8.10	40,214	18-Nov-07	8,591
	Marton	15-Jul-07	5,073	9.55	43,374	29-Jun-08	5,426
	Paraparaumu	15-Jul-07	4,698	9.50	39,933	15-Jul-07	4,698
			284,056				
	<i>offtakes < 2,000 per week</i>						
	Pahiatua	15-Jul-07	262				
	Waikanae	15-Jul-07	1,931				
	Dannevirke	15-Jul-07	1,884				
	Takapau	15-Jul-07	1,756				
	Kakariki	15-Jul-07	0				
	Okaiawa	15-Jul-07	0				
	Foxton	15-Jul-07	1,313				
	Pauatahanui 1	15-Jul-07	1,549				
	Mangaroa	15-Jul-07	688				
	Patea	15-Jul-07	697				
	Otaki	15-Jul-07	683				
	Manaia	15-Jul-07	560				
	Mangatainoka	15-Jul-07	1				
	Waitotara	15-Jul-07	527				
	Lake Alice	15-Jul-07	791				
	Kaitoke	15-Jul-07	660				
	Ashhurst	15-Jul-07	263				
	Waverley	15-Jul-07	522				
	Paekakariki	15-Jul-07	20				
	Kuku	15-Jul-07	24				
	Te Horo	15-Jul-07	20				
	Matapu	15-Jul-07	7				
	Pauatahanui 2	15-Jul-07	0				
	Oroua Downs	15-Jul-07	6				
	Flockhouse	15-Jul-07	0				
	Kairanga	15-Jul-07	88				
			14,252				
			298,308				

ie Average per Offtake < 2,000 GJ = 548

Notes:

1. Theoretical capacity assuming all other offtake points remain unchanged with no provision for operational 'headroom'.
2. Mokai intake maximum assumed at 86330 GJ/week

5. FURTHER DISCLOSURE: OFFTAKE POINTS WITH THROUGHPUT LESS THAN 2,000 GJ/WEEK

(Ref. Schedule 1 Part 5, Clause 5)

Tables 4.1 to 4.6, respectively, also show for each pipeline the following information in respect of each Offtake Point with a throughput in the system peak week less than 2,000 GJ:

- Throughput of each such Offtake Point in the system peak week
- Total throughput of all such Offtake Points in the system peak week
- Average throughput of all such Offtake Points in the system peak week

6. CRITICAL POINTS OF TRANSMISSION SYSTEMS

(Ref. Schedule 1 Part 5, Clause 6)

Tables 6.1 to 6.6, respectively, show for each pipeline the following information in relation to each Offtake Point with a throughput in the system peak week greater than 2,000 GJ:

- The factor by which the throughput of the Offtake Point could have been increased in the system peak week assuming no capital expenditure on the Offtake Point for the increased throughput.
- The critical point or section of pipeline providing the first or principal constraint on increased throughput at the Offtake Point in the system peak week
- A brief statement of a possible means to remove the constraint
- An estimate of the increase in throughput at the Offtake Point given the removal of the constraint
- An estimate of the capital cost to remove the system constraint on the estimated increased throughput excluding upgrade of the intake or offtake points.

TABLE 6.1 NORTH TRANSMISSION SYSTEM

Ref. Schedule 1 Part 5, Clause 6 (2) (a) (b) and (c)

SYSTEM PEAK WEEK: Week Ending 1 June 2008

OFFTAKE POINTS	INCREASE WITH NO CAPEX		CRITICAL POINT(S) LIMITING THROUGHPUT	MEANS TO REMOVE LIMITATION	CAPITAL COST ¹ ((\$000))	INCREASE (Limit removed)	
	(Factor)	(GJ)				(Factor)	(GJ)
Otauhu B power station	1.03	13,546	Papakura East to Smales Rd pipeline	Loop Papakura East to Smales Rd MLV	26,700	1.36	162,546
Southdown power station	1.06	15,828	Papakura East to Smales Rd pipeline	Loop Papakura East to Smales Rd MLV	26,700	1.53	139,813
Westfield	1.09	12,139	Papakura East to Smales Rd pipeline	Loop Papakura East to Smales Rd MLV	26,700	1.86	115,992
Glenbrook	1.60	37,942	Ingram Rd to Papakura East pipeline	Loop Ingram Rd to Papakura East	10,800	3.10	132,796
Papakura	1.30	29,381	Ingram Rd to Papakura East pipeline	Loop Ingram Rd to Papakura East	10,800	2.10	107,730
Henderson	1.36	7,327	Papakura East to Smales Rd pipeline	Loop Papakura East to Smales Rd MLV	26,700	4.45	70,214
Flat Bush	2.30	12,160	Papakura East to Smales Rd pipeline	Loop Papakura East to Smales Rd MLV	26,700	13.90	120,667
Harrisville	3.90	30,853	Ingram Rd to Papakura East pipeline	Loop Ingram Rd to Papakura East	10,800	10.20	97,879
Bruce McLaren	2.50	9,411	Papakura East to Smales Rd pipeline	Loop Papakura East to Smales Rd MLV	26,700	17.60	104,148
Drury	4.90	24,164	Ingram Rd to Papakura East pipeline	Loop Ingram Rd to Papakura East	10,800	14.80	85,505
Tuakau	8.00	25,109	Ingram Rd to Papakura East pipeline	Loop Ingram Rd to Papakura East	10,800	22.50	77,121
Warkworth	1.67	3,261	Warkworth lateral pipeline	Loop Warkworth Lateral	5,150	2.90	9,247
Hunua	7.60	17,048	Ingram Rd to Papakura East pipeline	Loop Ingram Rd to Papakura East	10,800	28.00	69,741
Maungaturoto DF	1.95	8,181	Maungaturoto delivery point	Loop Maungaturoto Lateral	6,840	2.50	12,918
Whangarei	3.00	8,632	Papakura East to Smales Rd pipeline	Loop Papakura East to Smales Rd MLV	26,700	4.70	15,969
Waitoki	4.50	9,167	Papakura East to Smales Rd pipeline	Loop Papakura East to Smales Rd MLV	26,700	18.7	46,225

Note:

Capital Cost estimates exclude the cost of upgrading the Intake or Offtake Points (if required) for the increased throughput.

TABLE 6.2 CENTRAL (NORTH) TRANSMISSION SYSTEM

Ref. Schedule 1 Part 5, Clause 6 (2) (a) (b) and (c)

SYSTEM PEAK WEEK: Week Ending 30 September 2007

OFFTAKE POINTS	INCREASE WITH NO CAPEX		CRITICAL POINT(S) LIMITING THROUGHPUT	MEANS TO REMOVE LIMITATION	CAPITAL COST ¹ (\$000)	INCREASE (Limit removed)	
	(Factor)	(GJ)				(Factor)	(GJ)
Te Rapa Cogeneration	1.81	103,690	Te Kowhai to Te Rapa pipeline	Loop Te Kowhai to Te Rapa pipeline	3,360	2.34	171,536
Hamilton Temple View	16.30	114,322	Cambridge lateral pipeline	Loop Cambridge lateral	11,290	17.54	123,587
Hamilton Te Kowhai	8.60	171,562	Cambridge lateral pipeline	Loop Cambridge lateral	11,290	8.14	161,100
Kiwitahi (Peroxide Plant)	4.90	25,412	Horotiu to Kuranui Rd pipeline	Install compression downstream of Horotiu	11,900	7.87	44,765
Waitoa	4.37	20,648	Horotiu to Kuranui Rd pipeline	Install compression downstream of Horotiu	11,900	6.06	31,003
Cambridge	1.86	10,797	Cambridge lateral pipeline	Loop Cambridge lateral	11,290	2.79	22,473
Morrinsville (dairy factory)	2.96	23,851	Horotiu to Kuranui Rd pipeline	Install compression downstream of Horotiu	11,900	4.44	41,861
Tatuanui (dairy factory)	5.10	25,756	Horotiu to Kuranui Rd pipeline	Install compression downstream of Horotiu	11,900	7.41	40,268

Note:

Capital Cost estimates exclude the cost of upgrading the Intake or Offtake Points (if required) for the increased throughput.

TABLE 6.3 CENTRAL (SOUTH) TRANSMISSION SYSTEM

Ref. Schedule 1 Part 5, Clause 6 (2) (a) (b) and (c)

SYSTEM PEAK WEEK: Week Ending 15 July 2007

OFFTAKE POINTS	INCREASE WITH NO CAPEX		CRITICAL POINT(S) LIMITING THROUGHPUT	MEANS TO REMOVE LIMITATION	CAPITAL COST ¹	INCREASE (Limit removed)	
	(Factor)	(GJ)				(Factor)	(GJ)
<i>Pokuru 2</i>	<i>n/a</i>	<i>171,536</i>	<i>Kapuni - Mahoenui - Pokuru pipeline</i>				
New Plymouth	1.75	17,563	New Plymouth lateral	Loop New Plymouth lateral	3,300	5.14	96,946
Stratford	31.21	62,000	Kapuni compressor	Upgrade Kapuni compressor	8,120	258.00	527,364
Waitara	12.30	27,990	New Plymouth lateral	Loop New Plymouth lateral	5,300	57.40	139,703
Eltham	18.50	36,085	Eltham lateral	Loop Eltham lateral	5,490	50.30	101,657

Note:

Capital Cost estimates exclude the cost of upgrading the Intake or Offtake Points (if required) for the increased throughput.

TABLE 6.4 BAY OF PLENTY TRANSMISSION SYSTEM

Ref. Schedule 1 Part 5, Clause 6 (2) (a) (b) and (c)

SYSTEM PEAK WEEK: Week Ending 9 September 2007

OFFTAKE POINTS	INCREASE WITH NO CAPEX		CRITICAL POINT(S) LIMITING THROUGHPUT	MEANS TO REMOVE LIMITATION	CAPITAL COST ¹	INCREASE (Limit removed)	
	(Factor)	(GJ)				(Factor)	(GJ)
Kinleith (mill)	1.27	24,000	Pokuru compression	Upgrade Pokuru	16,070	1.27	23,770
Edgecumbe DF	1.91	24,000	Pokuru compression	Upgrade Pokuru	16,070	2.27	33,668
Taupo	7.91	24,000	Pokuru compression	Upgrade Pokuru	16,070	14.30	46,178
Mt Maunganui	2.72	24,000	Pokuru compression	Upgrade Pokuru	16,070	2.67	23,241
Whakatane	8.82	24,000	Pokuru compression	Upgrade Pokuru	16,070	11.20	31,314
Reporoa	2.86	24,000	Pokuru compression	Upgrade Pokuru	16,070	6.20	67,106
Rotorua	2.20	12,289	Rotorua lateral	Loop Rotorua lateral <i>and</i> upgrade Pokuru	24,710	6.4	54,789
Kawerau (Tasman mill)	2.99	24,000	Pokuru compression	Upgrade Pokuru	16,070	6.68	68,416
Kawerau (Caxton mill)	2.53	24,000	Pokuru compression	Upgrade Pokuru	16,070	5.27	66,779
Gisborne	3.42	19,241	Kawerau to Kiteratatahi pipeline + Pokuru compression	Upgrade Pokuru	16,070	3.6	20,991
Tauranga	2.87	12,538	Tauranga lateral + Pokuru compression	Loop Tauranga lateral <i>and</i> upgrade Pokuru	21,110	5.7	31,514
Tirau DF	3.37	24,000	Pokuru compression	Upgrade Pokuru	16,070	10.20	93,058
Rainbow Mountain	11.18	24,000	Pokuru compression	Upgrade Pokuru	16,070	32.04	73,161
Lichfield DF	3.20	24,000	Pokuru compression	Upgrade Pokuru	16,070	7.71	73,152
Putaruru	11.31	24,000	Pokuru compression	Upgrade Pokuru	16,070	32.24	72,695
Papamoa	9.10	23,644	Papamoa pipeline	Loop Papamoa - Te puke	4,220	9.7	25,249
Tokoroa	12.15	24,000	Pokuru compression	Upgrade Pokuru	16,070	34.72	72,565

Notes:

1. Capital Cost estimates exclude the cost of upgrading the Intake or Offtake Points (if required) for the increased throughput.
2. The increased flow through some laterals would approach the limit of acceptable velocity. If the laterals were to be looped even larger increases would be possible, provided also that Pokuru compression was upgraded accordingly.

TABLE 6.5 FRANKLEY RD TO KAPUNI TRANSMISSION SYSTEM

Ref. Schedule 1 Part 5, Clause 6 (2) (a) (b) and (c)

SYSTEM PEAK WEEK: Week Ending 1 June 2008

OFFTAKE POINTS	INCREASE WITH NO CAPEX		CRITICAL POINT(S) LIMITING THROUGHPUT	MEANS TO REMOVE LIMITATION	CAPITAL COST ¹	INCREASE (Limit removed)	
	(Factor)	(GJ)				(Factor)	(GJ)
Kapuni GTP	1.72	136,772	Pressure at Kapuni	Build new compressor station at Frankley Rd	34,000	8.25	1,377,217
Ammonia-Urea Plant	4.21	201,299	Pressure at Kapuni	Build new compressor station at Frankley Rd	34,000	6.28	331,109
TCC power station	1.62	258,562	Pressure at Kapuni	Build new compressor station at Frankley Rd	34,000	4.91	1,632,000

Notes:

1. Capital Cost estimates exclude the cost of upgrading the Intake or Offtake Points (if required) for the increased throughput.
2. Additional throughput would be obtainable with larger compressors at Frankley Rd, ie the pipeline would not be the constraint with the increased throughput.

TABLE 6.6 SOUTH TRANSMISSION SYSTEM

Ref. Schedule 1 Part 5, Clause 6 (2) (a) (b) and (c)

SYSTEM PEAK WEEK: Week Ending 15 July 2007

OFFTAKE POINTS	INCREASE WITH NO CAPEX		CRITICAL POINT(S) LIMITING THROUGHPUT	MEANS TO REMOVE LIMITATION	CAPITAL COST ¹	INCREASE (Limit removed)	
	(Factor)	(GJ)				(Factor)	(GJ)
Tawa A+B	1.45	39,297	Kaitoke to Himatangi pipeline	Upgrade Kaitoke cpr, loop from Kaitoke to Himatangi	39,750	2.20	104,792
Belmont	1.74	39,740	Kaitoke to Himatangi pipeline	Upgrade Kaitoke cpr, loop from Kaitoke to Himatangi	39,750	3.06	110,628
Hastings	1.72	32,113	Kaitoke to Himatangi pipeline	Upgrade Kaitoke cpr, loop from Kaitoke to Himatangi	39,750	2.52	67,794
Palmerston North	1.55	18,115	Palmerston North lateral	Upgrade Kaitoke cpr, link Palmerston Nth DP to 113 line	9,380	2.67	55,003
Wanganui	5.47	62,000	Kapuni to Hawera (unlooped) pipeline	Loop Kapuni to Hawera and upgrade Kapuni compressor	20,810	15.84	286,300
Hawera	16.02	62,000	Kapuni to Hawera (unlooped) pipeline	Loop Kapuni to Hawera and upgrade Kapuni compressor	20,810	50.80	286,300
Levin	4.50	30,933	Levin lateral	Upgrade Kaitoke cpr, loop Levin lateral	10,810	5.70	41,539
Waitangirua	4.70	37,722	Kaitoke to Himatangi pipeline	Upgrade Kaitoke cpr, loop from Kaitoke to Himatangi	39,750	11.50	107,048
Feilding	5.99	29,815	Feilding lateral	Upgrade Kaitoke cpr, loop Feilding lateral	12,520	6.50	32,863
Longburn	8.10	40,214	Longburn lateral	Upgrade Kaitoke cpr, loop Longburn lateral	11,600	10.00	50,976
Marton	9.55	43,374	Marton lateral	Upgrade Kaitoke cpr, loop Marton lateral	18,670	9.64	43,831
Paraparaumu	9.50	39,933	Kaitoke to Himatangi pipeline	Upgrade Kaitoke cpr, loop from Kaitoke to Himatangi	39,750	25.60	115,571

Notes:

1. Capital Cost estimates exclude the cost of upgrading the Intake or Offtake Points (if required) for the increased throughput.
2. Gas injected from Mokoia was fixed in indentifying critical points of South system. The increased supply was assumed to be sourced from Kapuni. It would be necessary to reinforce the Frankley Rd System in some cases should the additional throughput be sourced from the Maui pipeline.
3. Mokoia intake maximum assumed at 86330 GJ/week

7. METHODOLOGIES (Ref. Schedule 1 Part 5, Clause 7)

Intake Points (Ref. Clause 3)

South System

The actual flow rates in the system peak week for Kapuni and Mokoia were used in the modelling. When determining the numerical factors for possible throughput increases with Kapuni as the Intake Point, the Kapuni supply pressure was fixed at 84barg, and the Mokoia flow intake fixed at the system peak week actual flow.

When determining the numerical factors for possible throughput increases with Mokoia as the Intake Point, Mokoia supply pressure was fixed at 77barg, and the Kapuni flow rate was fixed at the system peak week actual flow. 77barg was the maximum possible pressure at Mokoia that would allow the flow from Kapuni while preventing the Kapuni supply pressure from exceeding 84barg.

Offtake Points (Ref. Clause 4)

Information disclosed as required by Clause 4 (4) of the Regulations was determined as set out below.

Peak Week Dates (Ref. Clause 4 (4) (a))

For Systems

For all Offtake Points with metering incorporating electronic data storage capability (the vast majority) reports are available showing the daily throughput at each Offtake Point.

For each transmission system a spreadsheet was compiled showing the daily throughput of all Offtake Points for the whole year. Aggregate daily and weekly throughputs were then calculated.

In all cases, the system peak week was taken to be the week, ie 00:00 hours on Monday to 24:00 hours on Sunday, in which the aggregate offtake was greatest.

For Individual Offtake Points

The date of each Offtake Point's *individual* peak week was obtained from the spreadsheets of daily throughput for each system referred to above.

Peak Week Throughput (Ref. Clause 4 (4) (b))

For the System

In all cases, system peak week throughputs were obtained from the spreadsheets of daily throughput for each system referred to above.

For the Offtake Points

Individual Offtake Point peak throughputs were obtained from the spreadsheets of daily throughputs for each system referred to above.

Throughput Increase in System Peak Week

(Ref. Clause 4 (4) (c))

General Considerations

The numerical factor (theoretical multiplier) by which the throughput of each Offtake Point could have been increased in the system peak week was determined using Vector's transient flow model (the "Model", as defined below). In accordance with the requirements of the Regulations this was done (i) assuming no capital investment to increase existing system capacity and (ii) no change in throughput at other Offtake Points on the system.

- Using data from SCADA or metering as applicable, flow rates (in standard m^3/s) were calculated for each hour of the system peak week for each Offtake Point. The data was assembled into "flow profiles" of the form required by the Model, then loaded into the model. (A hard copy of each flow profile is included in Appendix 1.)
- For the few Offtake Points for which hourly data was not available (those having metering without electronic data storage capability, ie generally sites with very small throughput) an average flow rate was calculated from meter readings and entered into the Model.
- Each of the defined transmission systems was modelled separately. The Model was first run with actual loads in the system peak week to generate appropriate starting conditions for subsequent simulations.
- An Offtake Point was then selected and a multiplier applied to its flow profile. This factor affected only the hourly flow rates for the chosen Offtake Point.
- Each simulation was continued until it became evident either that the increased load was unsustainable or conversely a larger factor could be applied. A new factor was selected and the simulation repeated. This process was continued until the maximum factor consistent with the relevant acceptability criterion (see below) was identified.
- The above process was applied in turn to each Offtake Points on the system with a throughput greater than 2,000 GJ in the system peak week.

- The acceptability criterion applied to determine whether the increased throughput would have been achievable or not was whether the pipeline pressure at the most critical point of the system remained above the minimum acceptable value. For the Northland section of the North System, this was taken as 20 bar g; for other systems, 30 bar g. A lower pressure criterion would have resulted in only an insignificant increase in throughput. No account was taken of the rate of pressure decay to the minimum acceptable value or the “volatility” of the pressure at the critical point resulting from the increased throughput.
- Where the pressure drop in a lateral or section of pipeline was observed to be exceptionally high given the increased throughput the maximum velocity of gas in the pipeline was checked. In some cases this constituted the limit on increased throughput.
- Where compression at the Intake Point was not modelled (see below) the maximum flow rate through the Intake Point during each simulation was noted. This was later checked against the known capacity of the existing compression to verify the adequacy of such compression.
- The Model is set up to model only high pressure pipelines. Offtake Points are not modelled. Attempting to simulate flow through the heater, regulators or control valves, piping and meter of each Offtake Point on the system would result in an unwarranted increase in complexity and simulation running time. As a consequence no account was taken of the ability of an existing Offtake Point to handle increased throughput. It was assumed that an Offtake Point could be upgraded if required. *(This is a significant assumption in view of the possibility of additional land being required and/or more stringent operating restrictions being imposed by statutory authorities as a condition of any significant upgrade being permitted. Readers of this report should take note.)*
- Modelling was undertaken without regard to shippers’ current capacity reservations or the probability of the increased capacity ever being required at any particular Offtake Point.

System Specific Considerations

North System

- Capacity of the Rotowaro compressor station, Intake Point for the North System, is directly proportional to the pressure available from the Maui pipeline. The Rotowaro compressor station comprises two gas turbine-driven centrifugal units plus two gas engine-driven 4-cylinder reciprocating units. These units are able to run with a suction pressure corresponding to the minimum contractual Maui delivery pressure, ie 30 bar g, and still achieve a discharge pressure equal to the maximum working pressure of the downstream pipelines (86 bar g).
- For the sake of simplicity compression at Rotowaro was not modelled. Instead a fixed pressure of 84 bar g was assumed in all simulations. The peak throughput of the Rotowaro Intake Point was noted in each simulation. This was added to the peak throughput of the Central (North) System for which Rotowaro is also the Intake Point. The total

peak Rotowaro throughput was compared to the capacity of the compression installed there to check that the latter would have been sufficient.

- Additional criteria applied in the case of the North System were that pipeline pressures at the Otahuhu B and Southdown Offtake Points be not less than 35 and 49 bar g, respectively, in order that contractual delivery pressure obligations could be met.
- During the year, the Westfield offtake point discharge pressure is adjusted . This resulted in redistribution of flow offtake amongst Westfield, Papakura, and Henderson offtake points. The availability of capacity at each offtake point in the North system was impacted in consequence.
- In the system peak week, NZ Refinery Company was using gas. However, because the supply to NZRC is interruptible, the refinery's load was removed from the system while modelling other offtake points.

Central (North) System

- Rotowaro is the Intake Point for the Central (North) System. As noted above, compression at Rotowaro was not modelled. A fixed pressure of 84 bar g at the Intake Point was assumed in all simulations.

Central (South) System

- Installed compression at the Kapuni Gas Treatment Plant, Intake Point for the Central (South) System, is adequate to meet current requirements but could limit pipeline capacity at flows above 560,000GJ/week. Therefore for simplicity compression at Kapuni was not modelled. A fixed pressure of 84 bar g at the Intake Point was assumed in all simulations.
- The only existing "Offtake Point" north of New Plymouth is the interconnection to the Bay of Plenty System, ie Pokuru. For simplicity compression at Mahoenui was not modelled. Instead a fixed pressure of 84 bar g was assumed and a flat load profile (Bay of plenty load at the time of central south system peak week) was assumed for the interconnection to BOP.
- The Pokuru Offtake incorporates piping connections to both the suction side and the discharge side of the Pokuru compressors. Simulations to determine the maximum throughput were based on a suction-side connection. The principal criterion was then to deliver the throughput at sufficient pressure, ie 50 bar g, for a one of two Pokuru unit to be able to compress it into the BOP System.

Bay of Plenty System

- For simplicity compression at Pokuru was not modelled but could limit pipeline capacity at flows above 260,000GJ/week. A fixed pressure of 84 bar g at the system Intake Point was assumed in all simulations.

South System

- As noted above installed compression capacity at the Kapuni Gas Treatment Plant is adequate for current requirements but could limit pipeline capacity at flows above 560,000GJ/week. Therefore for simplicity compression at Kapuni was not modelled. A fixed pressure of 84 bar g at the Intake Point was assumed in all simulations.
- Mokoia's capacity was assumed at 86330GJ/week; therefore some theoretical numerical factors have been reduced to prevent exceeding the compressors capacity.
- In simulations of the existing system requiring compression at Kaitoke the smaller (No.1) unit was modelled.
- The discharge pressure set point at Kaitoke was 84 bar g. The No.1 unit was able to maintain this pressure during most simulations.
- The Offtake Points that supply Wellington city are Tawa A (for Powerco's distribution network) and Tawa B (for Nova's distribution network). However many years ago the South transmission system was reconfigured to end at Waitangirua, some 7.7 km north of Tawa. Since then the section of the original (200 mm) transmission pipeline from Waitangirua to Tawa has operated at a nominal pressure of 19bar. Factors for Tawa A and B, respectively, therefore technically apply at Waitangirua.

Frankley Rd to Kapuni System

- A fixed pressure of 44 bar g was assumed to be available from the Maui pipeline at the Frankley Rd Intake Point. This pressure is lower than that normally available from the Maui line. However, the Maui pipeline owner may not be obliged to deliver gas from the Maui pipeline at more than 30 bar g. Compression at Derby Rd was not required at any time during the year. Currently Derby Rd compressor station is not operational and will require upgrading work to enable it to be brought back to service
- An addition criterion in all simulations was to maintain a minimum delivery pressure of 41 bar g to the Kapuni Gas Treatment Plant.

Further Disclosure Relating to Transmission Systems

(Ref. Clause 5)

Throughputs for Offtake Points with a throughput less than 2,000 GJ in the system peak week were determined in the same way as those for Offtake Points with throughputs greater than 2,000 GJ. (See above.)

Critical Points of Transmission Systems

(Ref. Clause 6 (2))

- During modelling pursuant to Clause 4 (4) (c) of the Regulations the critical point or section of each system constraining further increases in throughput at each Offtake Point was noted.
- For each Offtake Point in turn system a reinforcement option was selected capable of removing the constraint. The appropriate Model files were then amended accordingly.
- For each Offtake Point in turn further simulations were carried out to determine the increased throughput deliverable from the reinforced system. Essentially the same methodology as described earlier (see "Throughput Increase in System Peak Week (Ref. Clause 4 (4) (c))" above) was followed.
- In all simulations a fixed pressure was modelled at the Rotowaro, Pokuru, and Kapuni Intake Points, respectively. The throughput displayed by the Model for each of these Intake Points was noted. In the case of Rotowaro the *existing* flow into the Central (North) System was added to the *increased* flow into the North System. In the case of Kapuni the *existing* flow into the Central (South) System was added to the *increased* flow into the South System. Additional compression requirements (if any) were then calculated from the flow, suction and discharge pressure.
- Where additional compression along the pipeline was considered to be a suitable means of removing a constraint, for example as at Henderson and Horotiu, a compressor "module" available within the Model was used in simulations. The compressor throughput, suction and discharge conditions were noted and used to select and cost suitable compression later on.
- Estimates of the cost to remove the constraint affecting each Offtake Point contained in Tables 6.1 to 6.6 were developed using historic average construction rates for pipelines and other facilities. Please note: on no account does Vector wish to imply that the means of increasing system capacity identified in these tables would necessarily be the optimum, taking into account the requirements of the system as a whole, or that Vector would necessarily employ such means. The costs are "order of magnitude" only; Vector does not warrant their accuracy.
- No account was taken of RMA-related issues in identifying means to remove constraints on the transmission system. Vector does not have any special rights of access to private land for the purposes of constructing new pipelines and related facilities.
- Values for the numerical factor by which the throughput of each Offtake Point could have been increased are set out in Tables 6.1 to 6.6 respectively, were in all cases determined through further modelling.

Transient Flow (Capacity Simulation) Model

(Ref. Clause 7 (2))

Modelling of pipeline systems undertaken pursuant to this disclosure was carried out using Stoner Pipeline Simulator (SPS) software, version 9.30 and 9.5, written by Stoner Associates of the USA. The SPS was installed on a PC. Vector has only a single user licence.

A hard copy of the input data (a flow profile for each Offtake Point) is provided in Appendix 1 of this disclosure. This data will be provided on request in Microsoft Excel spreadsheet format.

8. GAS (CAPACITY) RESERVED IN TRANSMISSION SYSTEMS

(Ref. Schedule 1 Part 5, Clause 8)

Tables 8.1 to 8.6, respectively, show the following information in relation to Intake and Offtake Points on each pipeline for the first, third and fifth financial years after the financial year to which this report refers. The data has been extracted from OATIS.

- *Aggregate* reserved capacity (GJ of MDQ) at each Offtake Point by Vector-owned, and non-Vector companies, respectively.
- The allowable *aggregate* MHQ at each Offtake Point for both Vector-owned and non-Vector companies. (NB: In most cases $MHQ = MDQ \div 16$, in accordance with the 'Vector Transmission Code'.)
- Delivery pressures, where non-standard.

Vector's financial year ends on 30th June annually. Vector's contract year (for transmission services) however ends on 30th September annually.

The tables include shippers reserved capacity under Vector's transmission services agreements *plus* transmission capacity made available to shippers under non-standard contracts.

Shippers reserve capacity under transmission services agreements annually prior to the start of the contract year. Thereafter they may transfer capacity between Offtake Points, and/or trade capacity with other shippers for periods as short as one day, subject to certain conditions set out in the 'Vector Transmission Code'.

Shippers may also purchase additional capacity from Vector (or other shippers) during a contract year also subject to the provisions of the 'Vector Transmission Code'.

Shippers are under no obligation to reserve the same level of capacity in subsequent years.

As at the date of this report shippers have not confirmed their capacity requirements for the 2008-2009 contract year. Shippers' capacity reservations for the financial year to 30 June 2009 have therefore been taken as their actual reserved capacity as at the end of July 2008.

As it is not known what capacity shippers will reserve in future, these same reservations have been assumed for the years ending 30 June 2011 and 2013, respectively.

In the case of shippers with non-standard contracts, the transmission capacity provided under such contracts has been used.

TABLE 8.1 NORTH TRANSMISSION SYSTEM CAPACITY RESERVATIONS

Ref. Schedule 1 Part 5, Clause 8 (2)

INTAKE POINT	OFFTAKE POINTS		y/e 30 June 2007		y/e 30 June 2010		y/e 30 June 2012		NON-STD DELIVERY PRESSURE
			CAPACITY RESERVED BY:						
			Vector	Others	Vector	Others	Vector	Others	
Rotowaro	Over 2,000 GJ per week		- all numbers are GJ -						bar g
	Drury 1	MDQ	1,450	54	1,450	54	1,450	54	
		MHQ	91	3	91	3	91	3	
	Drury 2	MDQ	0	152	0	152	0	152	
		MHQ	0	9	0	9	0	9	
	Flat Bush	MDQ	0	1,669	0	1,669	0	1,669	
		MHQ	0	104	0	104	0	104	
	Glenbrook	MDQ	9,707	0	9707.278	0	9707.278	0	
		MHQ	607	0	607	0	607	0	
	Harrisville	MDQ	1,504	0	1504.000	0	1504.000	0	
		MHQ	94	0	94	0	94	0	
	Hunua	MDQ	341	529	341.000	529	341.000	529	
		MHQ	21	33	21	33	21	33	
	Kauri DF	MDQ	1,250	0	1,250	0	1,250	0	
		MHQ	78	0	78	0	78	0	
	Otahuhu B power station	MDQ	0	66,000	0	66,000	0	66,000	35
		MHQ	0	3,300	0	3,300	0	3,300	
	Southdown power station	MDQ	0	39,240	0	39,240	0	39,240	49
		MHQ	0	1,563	0	1,563	0	1,563	
	Tuakau	MDQ	97	662	97.000	662	97.000	662	
		MHQ	6	41	6	41	6	41	
	Warkworth	MDQ		1,668		1,668		1,668	
		MHQ	0	104	0	104	0	104	
	Greater Auckland	MDQ	18,512	34,315	18,512	34,315	18,512	34,315	
		MHQ	1,157	2,145	1,157	2,145	1,157	2,145	
	Waitoki	MDQ	0	486	0	486	0	486	
		MHQ	0	30	0	30	0	30	
	Whangarei	MDQ	136	1,087	136	1,087	136	1,087	
		MHQ	9	68	9	68	9	68	
	TOTAL	MDQ	32,997	145,710	32,997	145,710	32,997	145,710	
		MHQ	2,062	7,392	2,062	7,392	2,062	7,392	

Under 2,000 GJ per week	MDQ	6,482	5,103	6,482	5,103	6,482	5,103
	MHQ	405	319	405	319	405	319

TABLE 8.2 CENTRAL (NORTH) TRANSMISSION SYSTEM CAPACITY RESERVATIONS

Ref. Schedule 1 Part 5, Clause 8 (2)

INTAKE POINT	OFFTAKE POINTS		y/e 30 June 2007		y/e 30 June 2010		y/e 30 June 2012		NON-STD DELIVERY PRESSURE
			CAPACITY RESERVED BY:						
			Vector	Others	Vector	Others	Vector	Others	
Rotowaro	Over 2,000 GJ per week		- all numbers are GJ -						bar g
	Cambridge	MDQ	107	292	107	292	107	292	
		MHQ	7	18	7	18	7	18	
	Greater Hamilton	MDQ	1,850	5,363	1,850	5,363	1,850	5,363	
		MHQ	116	335	116	335	116	335	
	Kiwitahi 1	MDQ	0	1,050	0	1,050	0	1,050	
		MHQ	0	66	0	66	0	66	
	Morrinsville DF	MDQ	0	104	0	104	0	104	
		MHQ	0	7	0	7	0	7	
	Tatuanui DF	MDQ	0	497	0	497	0	497	
		MHQ	0	31	0	31	0	31	
	Te Rapa Cogeneration	MDQ	0	25,500	0	25,500	0	25,500	23
		MHQ	0	1,200	0	1,200	0	1,200	
	Waitoa	MDQ	1,950	65	1,950	65	1,950	65	
		MHQ	122	4	122	4	122	4	
	TOTAL	MDQ	3,907	32,872	3,907	32,872	3,907	32,872	
		MHQ	244	1,661	244	1,661	244	1,661	
	Under 2,000 GJ per week	MDQ	1,572	299	1,572	299	1,572	299	
		MHQ	98	19	98	19	98	19	

TABLE 8.3 CENTRAL (SOUTH) TRANSMISSION SYSTEM CAPACITY RESERVATIONS

Ref. Schedule 1 Part 5, Clause 8 (2)

INTAKE POINT	OFFTAKE POINTS		y/e 30 June 2007		y/e 30 June 2010		y/e 30 June 2012		NON-STD DELIVERY PRESSURE
			CAPACITY RESERVED BY:						
			Vector	Others	Vector	Others	Vector	Others	
Kapuni	Over 2,000 GJ per week		- all numbers are in GJ -						50
	Eltham	MDQ	273	551	273	551	273	551	
		MHQ	17	34	17	34	17	34	
	New Plymouth	MDQ	962	2,538	962	2,538	962	2,538	
		MHQ	60	159	60	159	60	159	
	Stratford	MDQ	0	393	0	393	0	393	
		MHQ	0	25	0	25	0	25	
	Waitara	MDQ	90	284	90	284	90	284	
		MHQ	6	18	6	18	6	18	
	Pokuru 2	MDQ	0	11,000	0	11,000	0	11,000	
		MHQ	0	688	0	688	0	688	
	TOTAL	MDQ	1,235	14,482	1,235	14,482	1,235	14,482	
		MHQ	77	905	77	905	77	905	

Under 2,000 GJ per week	MDQ	103	459	103	459	103	459
	MHQ	6	29	6	29	6	29

TABLE 8.4 BAY of PLENTY TRANSMISSION SYSTEM CAPACITY RESERVATIONS

Ref. Schedule 1 Part 5, Clause 8 (2)

INTAKE POINT	OFFTAKE POINTS		y/e 30 June 2007		y/e 30 June 2010		y/e 30 June 2012		NON-STD DELIVERY PRESSURE
			CAPACITY RESERVED BY:						
			Vector	Others	Vector	Others	Vector	Others	
Pokuru	Over 2,000 GJ per week		- all numbers are in GJ -						bar g
	Edgecumbe DF	MDQ	-	4,726	-	4,726	-	4,726	
		MHQ	-	295	-	295	-	295	
	Gisborne	MDQ	2,400	830	2,400	830	2,400	830	
		MHQ	150	52	150	52	150	52	
	Kawerau (Caxton mill)	MDQ	2,197	-	2,197	-	2,197	-	
		MHQ	137	-	137	-	137	-	
	Kawerau (Tasman mill)	MDQ	1,903	-	1,903	-	1,903	-	
		MHQ	119	-	119	-	119	-	
	Kinleith (mill)	MDQ	14,300	-	14300.000	-	14300.000	-	
		MHQ	894	-	894	-	894	-	
	Lichfield DF	MDQ	-	56	-	56	-	56	
		MHQ	-	3	-	3	-	3	
	Greater Mt Maunganui	MDQ	1,350	2,553	1,350	2,553	724	2,553	
		MHQ	84	160	63	181	63	181	
	Putaruru	MDQ	580	83	580	83	580	83	
		MHQ	36	5	36	5	36	5	
	Rainbow Mountain	MDQ	300	-	300	-	300	-	
		MHQ	19	-	19	-	19	-	
	Reporoa	MDQ	-	127	-	127	-	127	
		MHQ	-	8	-	8	-	8	
	Rotorua	MDQ	475	1,526	475	1,526	475	1,526	
		MHQ	30	95	30	95	30	95	
	Taupo	MDQ	7	670	7	670	7	670	
		MHQ	0	42	0	42	0	42	
	Tauranga	MDQ	-	3	-	3	-	3	
		MHQ	-	0	-	0	-	0	
	Tirau DF	MDQ	-	715	-	715	-	715	
		MHQ	-	45	-	45	-	45	
	Tokoroa	MDQ	3	379	3	379	3	379	
		MHQ	0	24	0	24	0	24	
	Whakatane	MDQ	2,380	134	2,380	134	2,380	134	
		MHQ	149	8	149	8	149	8	
	TOTAL	MDQ	25,895	11,800	25,895	11,800	25,269	11,800	
		MHQ	1,618	738	1,597	759	1,597	759	
	Under 2,000 GJ per week	MDQ	13,887	4,932	13,887	4,932	13,887	4,932	
		MHQ	868	308	868	308	868	308	

TABLE 8.5 FRANKLEY RD TRANSMISSION SYSTEM CAPACITY RESERVATIONS

Ref. Schedule 1 Part 5, Clause 8 (2)

INTAKE POINT	OFFTAKE POINTS		y/e 30 June 2007		y/e 30 June 2010		y/e 30 June 2012		NON-STD DELIVERY PRESSURE	
			CAPACITY RESERVED BY:							
			Vector	Others	Vector	Others	Vector	Others		
Frankley Rd	Over 2,000 GJ per week		- all numbers are in GJ -						bar g	
	TCC power station	MDQ	0	64,000	0	64,000	0	64,000	31	
		MHQ	0	2,827	0	2,827	0	2,827		
	Kapuni GTP	MDQ	0	31,365	0	31,365	0	31,365	42	
		MHQ	0	156	0	156	0	156		
	TOTAL	MDQ	0	64,000	0	64,000	0	64,000		
		MHQ	0	2,827	0	2,827	0	2,827		
	Under 2,000 GJ per week		MDQ	0	76,819	0	76,819	0	76,819	
			MHQ	0	4,801	0	4,801	0	4,801	

TABLE 8.6 SOUTH TRANSMISSION SYSTEM CAPACITY RESERVATIONS

Ref. Schedule 1 Part 5, Clause 8 (2)

INTAKE POINT	OFFTAKE POINTS		y/e 30 June 2007		y/e 30 June 2010		y/e 30 June 2012		NON-STD DELIVERY PRESSURE	
			CAPACITY RESERVED BY:							
			Vector	Others	Vector	Others	Vector	Others		
Kapuni & Mokoia	Over 2,000 GJ per week		- all numbers are in GJ -						bar g	
		Belmont	MDQ	460	8,329	460	8,329	460		8,329
			MHQ	29	521	29	521	29		521
		Dannevirke	MDQ	430	270	430	270	430		270
			MHQ	27	17	27	17	27		17
		Feilding	MDQ	826	1129	826	1129	826		1129
			MHQ	52	71	52	71	52		71
		Hastings	MDQ	5342	5270	5342	5270	5342		5270
			MHQ	334	329	334	329	334		329
		Hawera	MDQ	0	1,531	0	1,531	0		1,531
			MHQ	0	96	0	96	0		96
		Levin	MDQ	490	1,315	490	1,315	490		1,315
			MHQ	31	82	31	82	31		82
		Longburn	MDQ	49	1,049	49	1,049	49		1,049
			MHQ	3	66	3	66	3		66
		Marton	MDQ	720	329	720	329	720		329
			MHQ	45	21	45	21	45		21
		Palmerston North	MDQ	787	4,942	787	4,942	787		4,942
			MHQ	49	309	49	309	49		309
		Paraparaumu	MDQ	34	655	34	655	34		655
			MHQ	2	41	2	41	2		41
		Takapau	MDQ	0	525	0	525	0		525
			MHQ	0	33	0	33	0		33
		Tawa A+B	MDQ	907	14,683	907	14,683	907		14,683
			MHQ	57	918	57	918	57		918
		Waitangirua	MDQ	149	1301	149	1301	149		1301
			MHQ	9	81	9	81	9		81
Wanganui	MDQ	900	2884	900	2884	900	2884			
	MHQ	56	180	56	180	56	180			
TOTAL	MDQ	11,094	44,211	11,094	44,211	11,094	44,211			
	MHQ	693	2,763	693	2,763	693	2,763			
Under 2,000 GJ per week	MDQ	7,906	3,832	7,906	3,832	7,906	3,832			
	MHQ	494	240	494	240	494	240			

APPENDIX 1

FLOW PROFILES

Note: Associated with the flow profile for each Offtake Point is the weekly load in TJ. These weekly loads are for checking purposes only and are not used in the Model. They were calculated by multiplying the hourly flow rates by a typical average CV.

The resulting values may therefore differ somewhat from those shown in Tables 4.1 – 4.6, which were determined using daily average CV's.

Rounding of flow rates to two decimal places may also have contributed slight differences.

NORTH SYSTEM TRANSMISSION SYSTEM

X DELIVERY POINT ALFRISTON

X CODE

RAMP	ALFEXT.V1	=	0.01										
+	0.01	0.02	0.01	0.02	0.03	0.01	0.01	0.02	0.01	0.01	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	
+	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.00	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	
+	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.01	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.03	0.03	0.03	0.03	
+	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.01	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.02	0.02	0.02	0.02	
+	0.03	0.02	0.02	0.03	0.02	0.03	0.02	0.02	0.01	0.01	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.01	0.02	0.01	
+	0.02	0.02	0.01	0.02	0.01	0.01	0.02	0.02	0.01	0.00	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02	
+	0.01	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.00	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 0.31

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 26 May 2008 - 1 June 2008

X =====

X DELIVERY POINT BRUCE MCLAREN

X CODE

RAMP	BMCEXT.V1	=	0.124										
+	0.11	0.11	0.13	0.14	0.13	0.18	0.30	0.36	0.39	0.40	0.38	0.37	
+	0.35	0.35	0.37	0.34	0.30	0.31	0.30	0.28	0.25	0.22	0.19	0.16	
+	0.17	0.18	0.18	0.18	0.20	0.25	0.35	0.42	0.43	0.41	0.37	0.35	
+	0.33	0.33	0.33	0.30	0.30	0.30	0.30	0.27	0.25	0.23	0.22	0.20	
+	0.19	0.19	0.19	0.21	0.21	0.27	0.38	0.43	0.47	0.42	0.38	0.37	
+	0.35	0.36	0.33	0.28	0.27	0.28	0.29	0.30	0.29	0.27	0.25	0.22	
+	0.19	0.19	0.21	0.23	0.23	0.28	0.41	0.46	0.47	0.43	0.38	0.37	
+	0.35	0.34	0.34	0.30	0.26	0.27	0.30	0.29	0.28	0.24	0.23	0.22	
+	0.19	0.17	0.16	0.18	0.19	0.23	0.36	0.40	0.44	0.40	0.38	0.39	
+	0.35	0.32	0.32	0.28	0.26	0.27	0.28	0.26	0.24	0.24	0.22	0.18	
+	0.15	0.14	0.16	0.16	0.15	0.16	0.20	0.23	0.28	0.27	0.22	0.23	
+	0.22	0.21	0.19	0.17	0.19	0.20	0.21	0.20	0.18	0.17	0.16	0.15	
+	0.13	0.12	0.11	0.12	0.11	0.12	0.13	0.17	0.21	0.22	0.20	0.19	
+	0.19	0.18	0.16	0.15	0.17	0.19	0.19	0.18	0.16	0.15	0.13	0.13	

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 6.2829

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 26 May 2008 - 1 June 2008

X =====

X DELIVERY POINT DRURY

X CODE

RAMP	DRUEXT.V1	=	0.066										
+	0.08	0.21	0.26	0.27	0.28	0.32	0.28	0.30	0.31	0.22	0.20	0.23	
+	0.21	0.24	0.20	0.19	0.17	0.11	0.06	0.07	0.11	0.28	0.27	0.28	
+	0.29	0.32	0.36	0.43	0.46	0.47	0.43	0.39	0.30	0.20	0.23	0.22	
+	0.23	0.24	0.23	0.23	0.11	0.08	0.11	0.12	0.16	0.17	0.34	0.36	
+	0.36	0.37	0.46	0.47	0.46	0.46	0.47	0.46	0.30	0.14	0.20	0.22	
+	0.22	0.23	0.22	0.21	0.16	0.11	0.18	0.18	0.19	0.31	0.39	0.40	
+	0.44	0.51	0.54	0.53	0.53	0.53	0.50	0.48	0.33	0.19	0.22	0.24	
+	0.25	0.25	0.26	0.25	0.17	0.16	0.18	0.17	0.20	0.23	0.34	0.40	
+	0.33	0.36	0.38	0.36	0.41	0.42	0.46	0.41	0.26	0.17	0.24	0.25	
+	0.26	0.26	0.27	0.24	0.21	0.06	0.07	0.07	0.10	0.10	0.13	0.10	
+	0.13	0.25	0.31	0.26	0.25	0.26	0.31	0.30	0.25	0.21	0.23	0.23	
+	0.23	0.23	0.22	0.22	0.15	0.07	0.09	0.10	0.06	0.16	0.14	0.14	
+	0.25	0.33	0.37	0.31	0.35	0.35	0.43	0.33	0.24	0.17	0.22	0.21	
+	0.21	0.21	0.21	0.21	0.13	0.06	0.03	0.04	0.08	0.06	0.08	0.09	

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 6.1967

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 26 May 2008 - 1 June 2008

X =====

NORTH SYSTEM TRANSMISSION SYSTEM

X DELIVERY POINT FLAT BUSH

X CODE

RAMP FBUEXT.V1 = 0.17

+	0.17	0.18	0.20	0.23	0.25	0.31	0.40	0.54	0.55	0.58	0.56	0.59
+	0.58	0.55	0.58	0.53	0.50	0.51	0.45	0.46	0.47	0.42	0.43	0.39
+	0.32	0.36	0.36	0.35	0.34	0.35	0.47	0.59	0.63	0.59	0.56	0.60
+	0.59	0.60	0.58	0.55	0.48	0.49	0.45	0.45	0.48	0.49	0.44	0.40
+	0.40	0.43	0.42	0.39	0.40	0.44	0.50	0.60	0.66	0.66	0.59	0.62
+	0.59	0.56	0.55	0.57	0.50	0.51	0.47	0.48	0.41	0.44	0.44	0.46
+	0.41	0.41	0.39	0.33	0.30	0.39	0.52	0.57	0.64	0.62	0.65	0.63
+	0.61	0.61	0.59	0.57	0.55	0.47	0.49	0.47	0.42	0.45	0.45	0.46
+	0.41	0.37	0.41	0.39	0.40	0.40	0.45	0.53	0.57	0.59	0.57	0.59
+	0.59	0.60	0.56	0.49	0.49	0.46	0.42	0.44	0.41	0.36	0.38	0.36
+	0.32	0.32	0.31	0.27	0.24	0.24	0.26	0.27	0.26	0.26	0.20	0.20
+	0.15	0.14	0.13	0.11	0.12	0.12	0.11	0.12	0.10	0.08	0.10	0.07
+	0.08	0.09	0.10	0.09	0.09	0.10	0.09	0.07	0.10	0.11	0.12	0.09
+	0.10	0.09	0.09	0.08	0.08	0.08	0.07	0.10	0.09	0.09	0.08	0.08

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 9.3651

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 26 May 2008 - 1 June 2008

X =====

X DELIVERY POINT GLEN BROOK

X CODE

RAMP GLNEXT.V1 = 2.518

+	2.02	1.84	1.65	1.77	1.90	1.90	1.81	1.76	1.79	1.72	2.09	2.02
+	1.88	1.79	2.04	2.04	2.11	2.53	2.52	2.57	2.48	2.05	2.00	2.74
+	2.83	2.79	2.70	2.44	2.68	2.58	1.86	1.91	1.88	1.88	1.79	1.83
+	1.55	1.60	1.65	1.60	1.74	2.02	2.22	1.92	1.86	1.97	2.41	2.72
+	3.00	2.87	2.54	1.77	2.04	2.25	2.41	2.50	2.55	3.20	2.49	2.55
+	2.69	2.06	2.71	3.04	2.46	2.76	2.61	2.77	2.82	2.91	2.98	2.96
+	2.89	2.94	2.34	2.60	2.90	2.88	2.87	2.97	2.89	3.00	2.67	2.70
+	2.54	2.88	2.97	2.88	2.57	2.85	3.06	3.02	2.32	2.53	2.85	2.78
+	2.13	2.07	2.72	3.01	2.98	2.62	2.76	2.89	2.86	2.64	2.51	2.57
+	2.55	2.53	1.90	1.79	2.25	2.34	2.52	2.48	2.68	2.85	2.63	2.62
+	2.98	2.53	2.99	3.17	2.69	3.05	3.35	2.91	3.00	2.82	2.95	3.15
+	2.97	2.69	3.22	3.14	3.21	3.08	3.22	3.37	3.30	3.20	3.17	2.96
+	3.10	2.89	2.80	2.66	2.80	2.64	2.64	2.57	2.85	2.68	2.78	3.00
+	2.90	2.73	2.59	2.91	3.19	2.71	3.08	2.91	3.01	3.31	3.20	2.97

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 63.535

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 26 May 2008 - 1 June 2008

X =====

X DELIVERY POINT HARRISVILLE

X CODE

RAMP HAREXT.V1 = 0.247

+	0.23	0.23	0.24	0.30	0.37	0.45	0.35	0.53	0.56	0.52	0.51	0.53
+	0.60	0.56	0.50	0.52	0.37	0.16	0.07	0.07	0.16	0.26	0.29	0.42
+	0.51	0.54	0.58	0.60	0.69	0.73	0.77	0.77	0.61	0.65	0.57	0.60
+	0.60	0.57	0.54	0.54	0.38	0.16	0.04	0.05	0.08	0.24	0.28	0.49
+	0.52	0.56	0.61	0.56	0.83	0.82	0.82	0.76	0.64	0.68	0.66	0.63
+	0.59	0.57	0.55	0.44	0.30	0.20	0.08	0.08	0.11	0.18	0.37	0.46
+	0.60	0.63	0.58	0.77	0.81	0.82	0.81	0.79	0.67	0.70	0.68	0.61
+	0.59	0.56	0.56	0.51	0.37	0.10	0.10	0.10	0.10	0.13	0.26	0.41
+	0.33	0.41	0.58	0.62	0.63	0.78	0.68	0.67	0.56	0.66	0.66	0.60
+	0.56	0.55	0.56	0.59	0.39	0.03	0.02	0.02	0.04	0.03	0.19	0.21
+	0.21	0.19	0.20	0.38	0.37	0.50	0.55	0.54	0.58	0.64	0.64	0.59
+	0.57	0.54	0.49	0.49	0.35	0.03	0.03	0.03	0.03	0.04	0.12	0.22
+	0.30	0.28	0.41	0.46	0.64	0.48	0.67	0.62	0.60	0.64	0.66	0.61
+	0.56	0.55	0.53	0.50	0.35	0.04	0.03	0.04	0.03	0.05	0.07	0.20

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 10.66

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 26 May 2008 - 1 June 2008

X =====

NORTH SYSTEM TRANSMISSION SYSTEM

X DELIVERY POINT HENDERSON

X CODE

RAMP HSNEXT.V1 = 0.062

+	0.01	0.00	0.00	0.00	0.07	0.32	1.02	1.84	2.09	1.85	1.56	1.42
+	1.24	1.24	1.13	1.05	1.25	1.63	1.91	2.00	1.86	1.53	1.09	0.63
+	0.31	0.17	0.19	0.17	0.22	0.53	1.23	2.10	2.41	2.02	1.49	1.20
+	1.00	0.90	0.77	0.79	0.98	1.48	1.90	1.96	1.78	1.49	1.10	0.64
+	0.33	0.22	0.17	0.21	0.35	0.55	1.30	2.11	2.39	1.86	1.40	1.09
+	0.85	0.82	0.70	0.66	0.87	1.32	1.77	1.94	1.88	1.75	1.35	0.78
+	0.54	0.41	0.39	0.37	0.51	0.75	1.40	2.26	2.53	1.96	1.42	1.13
+	0.95	0.89	0.85	0.76	0.89	1.39	1.79	1.93	1.84	1.52	1.03	0.41
+	0.09	0.01	0.00	0.00	0.00	0.03	0.84	1.77	1.97	1.48	1.02	0.76
+	0.58	0.50	0.42	0.43	0.49	0.97	1.33	1.31	1.16	0.92	0.56	0.15
+	0.02	0.00	0.00	0.00	0.00	0.00	0.08	0.19	0.80	0.89	0.68	0.42
+	0.27	0.09	0.02	0.02	0.17	0.66	1.01	0.97	0.74	0.56	0.29	0.05
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.62	0.82	0.71	0.42
+	0.16	0.06	0.01	0.00	0.00	0.49	0.82	0.78	0.60	0.39	0.15	0.01

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 20.316

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 26 May 2008 - 1 June 2008

X =====

X DELIVERY POINT HUNUA

X CODE

RAMP HUNEXT.V1 = 0.021

+	0.03	0.02	0.02	0.03	0.05	0.06	0.17	0.10	0.13	0.14	0.16	0.15
+	0.16	0.15	0.12	0.14	0.14	0.11	0.10	0.14	0.12	0.10	0.10	0.10
+	0.09	0.09	0.09	0.08	0.11	0.12	0.11	0.12	0.11	0.12	0.14	0.13
+	0.12	0.14	0.16	0.13	0.14	0.17	0.16	0.17	0.18	0.17	0.16	0.19
+	0.17	0.14	0.15	0.16	0.15	0.14	0.15	0.17	0.17	0.15	0.20	0.19
+	0.15	0.16	0.17	0.17	0.16	0.20	0.17	0.15	0.16	0.19	0.17	0.14
+	0.15	0.15	0.13	0.16	0.14	0.15	0.17	0.17	0.16	0.17	0.19	0.16
+	0.18	0.19	0.14	0.17	0.20	0.16	0.15	0.15	0.18	0.17	0.13	0.15
+	0.12	0.10	0.14	0.13	0.10	0.14	0.17	0.15	0.14	0.14	0.13	0.13
+	0.11	0.12	0.13	0.11	0.11	0.10	0.11	0.09	0.16	0.10	0.09	0.07
+	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.08	0.04	0.04
+	0.05	0.05	0.01	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
+	0.02	0.01	0.02	0.02	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.04
+	0.05	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 2.5814

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 26 May 2008 - 1 June 2008

X =====

X DELIVERY POINT KAURI

X CODE

RAMP KRIEXT.V1 = 0

+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 0

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 26 May 2008 - 1 June 2008

X =====

NORTH SYSTEM TRANSMISSION SYSTEM

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X DELIVERY POINT   KINGSEAT
X CODE
RAMP    KSTEXT.V1 =          0.003
+       0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
+       0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
+       0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
+       0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
+       0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
+       0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
+       0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
+       0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
+       0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
+       0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
+       0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
+       0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
+       0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00

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+ TIME= WEEK
+ MULT=      1
+ ADD =      0
X Weekly Load TJ =      0.0482
X Each figure represents average hourly flow rate in std. m3/s
X Profile date =      26 May 2008 - 1 June 2008
X =====

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X DELIVERY POINT   MARSDEN POINT (CH LVL)
X CODE
RAMP    MDNEXT.V1 =          0
+       0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
+       0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
+       0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
+       0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
+       0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
+       0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
+       0.00    0.00    0.01    0.02    0.02    0.02    0.03    0.03    0.03    0.03    0.03    0.03
+       0.03    0.03    0.03    0.03    0.03    0.03    0.02    0.01    0.00    0.00    0.00    0.00
+       0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.02
+       0.04    0.03    0.03    0.02    0.03    0.01    0.00    0.00    0.00    0.00    0.00    0.00
+       0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
+       0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00

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+ TIME= WEEK
+ MULT=      1
+ ADD =      0
X Weekly Load TJ =      0.0921
X Each figure represents average hourly flow rate in std. m3/s
X Profile date =      26 May 2008 - 1 June 2008
X =====

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X DELIVERY POINT   MARSDEN POINT (REFINERY)
X CODE
RAMP    NZREXT.V1 =          2.761
+       2.77    2.77    2.77    2.76    2.75    2.75    2.75    2.75    2.74    2.66    2.37    2.36
+       2.37    2.38    2.39    2.27    2.26    2.27    2.27    2.25    2.26    2.26    2.26    2.25
+       2.20    2.20    2.20    2.20    2.20    2.20    2.20    2.20    2.20    2.20    2.18    2.19
+       2.16    2.10    2.18    2.18    2.18    2.18    2.18    2.19    2.19    2.20    2.20    2.20
+       2.20    2.19    2.20    2.21    2.21    2.21    2.22    2.22    2.21    2.20    2.20    2.12
+       2.17    2.12    2.06    2.16    2.22    2.22    2.23    2.23    2.22    2.22    2.22    2.22
+       2.22    2.22    2.22    2.23    2.22    2.23    2.24    2.23    2.22    2.20    1.75    1.32
+       1.14    1.14    1.15    1.16    1.16    1.17    1.17    1.17    1.17    1.16    1.16    1.16
+       1.16    1.16    1.16    1.16    1.16    1.16    1.17    1.17    1.16    1.15    1.15    1.14
+       1.17    1.36    1.44    1.44    1.45    1.46    1.46    1.46    1.45    1.45    1.45    1.45
+       1.45    1.46    1.46    1.46    1.46    1.46    1.46    1.46    1.45    1.45    1.46    1.45
+       1.45    1.71    1.81    1.80    1.80    1.81    1.81    1.81    1.81    1.81    1.81    1.80
+       1.80    1.80    1.80    1.81    1.81    1.82    1.83    1.84    1.83    1.82    1.81    1.81
+       1.80    1.81    1.81    1.81    1.81    1.81    1.81    1.80    1.80    2.06    2.13    2.14

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+ TIME= WEEK
+ MULT=      1
+ ADD =      0
X Weekly Load TJ =      46.893
X Each figure represents average hourly flow rate in std. m3/s
X Profile date =      26 May 2008 - 1 June 2008
X =====

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NORTH SYSTEM TRANSMISSION SYSTEM

X DELIVERY POINT MAUNGATOROTO

X CODE

RAMP MTOEXT.V1 = 0.371

+	0.36	0.37	0.37	0.38	0.36	0.37	0.43	0.42	0.42	0.37	0.32	0.29
+	0.34	0.39	0.38	0.36	0.37	0.38	0.36	0.35	0.37	0.36	0.36	0.36
+	0.36	0.35	0.35	0.36	0.36	0.36	0.36	0.34	0.29	0.31	0.36	0.36
+	0.36	0.35	0.35	0.36	0.35	0.34	0.36	0.36	0.35	0.35	0.35	0.39
+	0.36	0.35	0.36	0.35	0.36	0.36	0.38	0.35	0.33	0.26	0.30	0.30
+	0.30	0.42	0.48	0.45	0.39	0.36	0.37	0.37	0.37	0.37	0.39	0.37
+	0.37	0.38	0.38	0.37	0.36	0.38	0.39	0.37	0.31	0.30	0.35	0.36
+	0.39	0.37	0.37	0.37	0.37	0.38	0.37	0.36	0.37	0.38	0.38	0.38
+	0.38	0.37	0.38	0.38	0.38	0.38	0.27	0.31	0.21	0.10	0.09	0.09
+	0.14	0.18	0.27	0.28	0.33	0.36	0.39	0.38	0.36	0.36	0.35	0.36
+	0.36	0.37	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.36	0.36	0.36
+	0.26	0.31	0.30	0.28	0.31	0.36	0.37	0.36	0.36	0.37	0.36	0.39
+	0.36	0.36	0.36	0.37	0.39	0.39	0.39	0.35	0.29	0.29	0.37	0.35
+	0.35	0.35	0.35	0.35	0.35	0.36	0.35	0.36	0.37	0.35	0.37	0.37

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 8.6523

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 26 May 2008 - 1 June 2008

X =====

X DELIVERY POINT OTAHUHU B POWER STATION

X CODE

RAMP OTAEXT.V1 = 18.16

+	18.21	15.62	14.79	14.07	14.55	18.07	18.53	18.58	18.58	18.57	18.51	18.37
+	18.27	18.28	18.20	18.25	18.35	18.39	18.43	18.44	18.46	18.50	18.54	18.58
+	18.63	18.19	17.63	17.41	18.68	18.81	18.81	18.76	18.68	18.62	18.47	18.39
+	18.28	18.25	18.25	18.29	18.35	18.45	18.48	18.55	18.65	18.77	18.80	18.89
+	18.95	18.22	17.95	18.07	18.23	19.02	19.06	19.03	18.97	18.82	18.65	18.47
+	18.33	18.31	18.26	18.25	18.33	18.49	18.61	18.69	18.83	18.98	19.04	19.06
+	19.10	19.18	19.16	19.04	19.21	19.25	19.24	19.25	19.12	18.96	18.75	18.51
+	18.38	18.34	18.30	18.25	18.33	18.51	18.56	18.64	18.72	18.87	18.90	18.92
+	18.91	18.59	16.49	14.08	15.26	18.76	18.79	19.27	19.19	18.80	18.55	18.47
+	18.35	18.32	18.37	18.44	18.48	18.52	18.56	18.65	18.55	18.49	18.57	18.57
+	18.77	18.73	18.74	18.86	18.94	18.92	18.85	18.95	18.93	18.83	18.62	18.43
+	18.43	18.28	18.16	18.17	18.21	18.28	18.36	18.45	18.60	18.78	18.84	18.87
+	18.96	18.94	18.88	18.80	18.80	18.81	18.77	18.72	15.63	14.96	14.97	17.93
+	18.11	17.91	17.95	17.91	17.94	18.14	18.31	18.32	18.29	18.31	18.30	18.38

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 453.47

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 26 May 2008 - 1 June 2008

X =====

X DELIVERY POINT PAPAURA

X CODE

RAMP PPKEXT.V1 = 3.797

+	3.61	3.62	3.69	3.81	4.12	4.24	4.55	4.72	4.77	4.52	4.25	3.80
+	3.36	3.56	3.63	3.76	4.13	4.40	4.59	4.59	4.53	4.47	4.30	4.37
+	4.24	4.30	4.36	4.43	4.62	4.74	4.97	5.19	4.88	4.18	3.75	3.12
+	2.49	2.49	2.68	3.31	3.76	4.13	4.27	4.47	4.66	4.73	4.68	4.62
+	4.62	4.75	4.76	4.82	4.95	5.07	5.31	5.66	5.22	4.09	3.90	3.19
+	2.19	2.06	2.01	2.82	3.63	4.27	4.78	4.98	5.11	5.24	5.25	5.20
+	5.21	5.16	5.11	5.12	5.29	5.40	5.74	5.82	5.31	4.35	3.85	3.20
+	2.32	2.32	2.39	2.95	3.71	4.35	4.80	5.05	5.06	5.05	4.80	4.82
+	4.69	4.51	4.51	4.45	4.51	4.82	5.00	5.20	4.82	4.21	3.46	3.07
+	2.88	2.75	3.13	3.33	3.46	4.02	4.21	4.28	4.16	4.11	4.12	3.99
+	3.93	3.80	3.50	3.62	3.54	3.60	3.91	4.28	4.03	3.39	2.89	2.20
+	2.20	1.52	1.65	2.45	2.96	3.53	3.91	4.05	3.98	4.10	4.11	4.00
+	4.01	3.89	3.71	3.78	3.84	3.96	4.21	4.32	4.30	3.59	3.08	2.27
+	1.78	1.34	1.40	1.96	2.65	3.27	3.46	3.53	3.53	3.60	3.60	3.43

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 98.033

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 26 May 2008 - 1 June 2008

X =====

NORTH SYSTEM TRANSMISSION SYSTEM

X DELIVERY POINT PUKEKOHE

X CODE

RAMP PUKEXT.V1 = 0.023

+	0.02	0.03	0.03	0.02	0.02	0.03	0.05	0.08	0.08	0.08	0.07	0.07
+	0.06	0.08	0.05	0.04	0.03	0.03	0.03	0.02	0.03	0.02	0.04	0.02
+	0.02	0.03	0.03	0.03	0.04	0.04	0.06	0.09	0.09	0.09	0.07	0.07
+	0.06	0.06	0.05	0.05	0.03	0.04	0.04	0.04	0.03	0.03	0.05	0.03
+	0.02	0.03	0.03	0.03	0.03	0.04	0.06	0.07	0.09	0.08	0.07	0.06
+	0.05	0.06	0.06	0.04	0.03	0.03	0.04	0.04	0.03	0.03	0.04	0.03
+	0.02	0.03	0.03	0.02	0.03	0.03	0.06	0.08	0.09	0.08	0.07	0.07
+	0.05	0.06	0.05	0.04	0.04	0.06	0.06	0.06	0.06	0.04	0.03	0.02
+	0.01	0.03	0.02	0.02	0.02	0.02	0.07	0.09	0.09	0.09	0.07	0.07
+	0.06	0.06	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02
+	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.04	0.03
+	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02
+	0.01	0.01	0.01	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.02
+	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.03	0.03

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 0.9561

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 26 May 2008 - 1 June 2008

X =====

X DELIVERY POINT RAMARAMA

X CODE

RAMP RAMEXT.V1 = 0.018

+	0.02	0.02	0.04	0.03	0.02	0.04	0.03	0.04	0.04	0.02	0.01	0.01
+	0.01	0.01	0.01	0.01	0.01	0.03	0.02	0.03	0.04	0.03	0.04	0.03
+	0.04	0.04	0.05	0.04	0.06	0.06	0.04	0.05	0.03	0.01	0.01	0.01
+	0.01	0.01	0.01	0.01	0.02	0.02	0.04	0.03	0.04	0.05	0.04	0.05
+	0.04	0.05	0.05	0.05	0.05	0.06	0.04	0.06	0.04	0.01	0.01	0.01
+	0.01	0.01	0.01	0.01	0.01	0.04	0.06	0.05	0.05	0.05	0.06	0.06
+	0.05	0.06	0.06	0.05	0.07	0.07	0.05	0.06	0.04	0.01	0.01	0.01
+	0.01	0.01	0.01	0.01	0.01	0.03	0.05	0.05	0.04	0.04	0.03	0.06
+	0.03	0.03	0.05	0.03	0.05	0.05	0.04	0.05	0.03	0.01	0.01	0.01
+	0.01	0.00	0.01	0.01	0.01	0.02	0.01	0.04	0.02	0.03	0.03	0.03
+	0.03	0.02	0.05	0.02	0.02	0.04	0.02	0.05	0.03	0.01	0.01	0.00
+	0.01	0.01	0.01	0.01	0.00	0.03	0.02	0.04	0.02	0.04	0.06	0.04
+	0.04	0.06	0.04	0.04	0.06	0.04	0.05	0.06	0.03	0.01	0.01	0.01
+	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.04	0.02	0.04

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 0.7373

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 26 May 2008 - 1 June 2008

X =====

X DELIVERY POINT SOUTHDOWN

X CODE

RAMP SDNEXT.V1 = 10.59

+	10.64	10.63	10.63	10.63	10.64	10.64	10.67	10.68	10.70	10.70	10.70	10.68
+	10.66	10.63	10.67	10.68	10.67	10.68	10.67	10.67	10.73	10.70	10.72	10.72
+	10.72	10.69	10.73	10.68	10.57	10.57	10.54	10.48	10.48	10.47	10.79	10.73
+	10.79	10.78	10.76	10.76	10.74	10.74	10.77	10.77	10.79	10.76	10.74	10.76
+	10.76	10.76	10.67	10.87	10.52	10.55	10.53	10.50	10.50	10.51	10.70	10.70
+	10.69	10.75	10.76	10.70	10.75	10.76	10.74	10.75	10.74	10.74	10.68	10.73
+	10.55	10.56	10.56	10.54	10.53	10.53	10.55	10.57	10.55	10.53	10.76	10.72
+	10.88	10.93	10.79	10.75	10.76	10.78	10.73	10.72	10.72	10.72	10.65	10.55
+	10.53	10.70	10.76	10.72	10.72	10.72	10.71	10.85	10.93	10.82	10.92	10.98
+	10.83	10.83	10.89	10.83	10.81	10.78	10.86	10.84	10.80	10.73	10.71	10.72
+	10.80	10.80	10.81	10.83	10.91	10.93	10.93	10.94	10.94	11.05	11.10	10.89
+	10.90	10.84	10.78	10.75	10.74	10.71	10.72	10.71	10.74	10.81	10.84	10.82
+	10.81	10.73	10.76	10.71	10.71	10.69	10.68	10.66	10.62	10.58	10.92	10.91
+	10.72	10.72	11.10	10.74	10.75	10.74	10.72	10.72	10.71	10.69	10.69	10.68

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 264.95

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 26 May 2008 - 1 June 2008

X =====

NORTH SYSTEM TRANSMISSION SYSTEM

X DELIVERY POINT TUAKAU

X CODE

RAMP TUAEXT.V1 = 0

+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.14	0.13	0.13	0.16	0.16
+	0.18	0.19	0.19	0.25	0.10	0.10	0.10	0.11	0.18	0.19	0.19	0.20	0.21
+	0.14	0.13	0.15	0.18	0.16	0.16	0.19	0.20	0.19	0.18	0.16	0.12	
+	0.09	0.07	0.10	0.14	0.19	0.22	0.20	0.20	0.17	0.12	0.10	0.07	
+	0.10	0.10	0.14	0.18	0.19	0.21	0.25	0.35	0.34	0.33	0.32	0.29	
+	0.26	0.19	0.29	0.30	0.19	0.18	0.19	0.18	0.19	0.19	0.15	0.11	
+	0.09	0.09	0.15	0.17	0.18	0.18	0.20	0.38	0.37	0.37	0.36	0.34	
+	0.35	0.34	0.26	0.27	0.27	0.21	0.20	0.19	0.19	0.19	0.18	0.12	
+	0.09	0.10	0.15	0.15	0.18	0.20	0.20	0.29	0.30	0.30	0.28	0.22	
+	0.17	0.16	0.17	0.21	0.24	0.28	0.18	0.18	0.18	0.16	0.18	0.18	
+	0.20	0.20	0.19	0.20	0.19	0.18	0.17	0.19	0.19	0.22	0.24	0.20	
+	0.17	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 3.5835

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 26 May 2008 - 1 June 2008

X =====

X DELIVERY POINT WAITOKI

X CODE

RAMP WAIEXT.V1 = 0.039

+	0.03	0.03	0.03	0.02	0.03	0.04	0.10	0.16	0.17	0.12	0.10	0.09	
+	0.10	0.10	0.10	0.10	0.12	0.17	0.21	0.20	0.18	0.13	0.09	0.04	
+	0.02	0.02	0.02	0.01	0.02	0.03	0.10	0.17	0.21	0.24	0.16	0.12	
+	0.15	0.15	0.08	0.09	0.11	0.17	0.21	0.20	0.17	0.13	0.08	0.04	
+	0.03	0.03	0.02	0.02	0.03	0.04	0.12	0.18	0.19	0.21	0.18	0.09	
+	0.12	0.15	0.07	0.09	0.08	0.14	0.19	0.19	0.17	0.14	0.09	0.06	
+	0.03	0.03	0.03	0.03	0.03	0.05	0.15	0.33	0.32	0.28	0.24	0.22	
+	0.21	0.18	0.08	0.14	0.16	0.14	0.18	0.19	0.17	0.14	0.09	0.06	
+	0.04	0.03	0.03	0.03	0.04	0.05	0.16	0.29	0.26	0.25	0.25	0.23	
+	0.22	0.17	0.07	0.06	0.07	0.13	0.17	0.17	0.14	0.12	0.09	0.05	
+	0.03	0.02	0.02	0.01	0.01	0.02	0.04	0.07	0.11	0.12	0.12	0.09	
+	0.08	0.08	0.07	0.06	0.08	0.12	0.15	0.14	0.12	0.11	0.08	0.06	
+	0.04	0.03	0.03	0.03	0.03	0.03	0.04	0.07	0.11	0.13	0.11	0.09	
+	0.07	0.06	0.05	0.05	0.06	0.11	0.14	0.13	0.11	0.09	0.06	0.04	

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 2.6217

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 26 May 2008 - 1 June 2008

X =====

X DELIVERY POINT WARKWORTH

X CODE

RAMP WKWEXT.V1 = 0.12

+	0.23	0.31	0.32	0.28	0.23	0.29	0.24	0.27	0.22	0.15	0.12	0.15	
+	0.11	0.20	0.12	0.11	0.08	0.14	0.10	0.13	0.18	0.18	0.17	0.22	
+	0.26	0.29	0.32	0.25	0.27	0.33	0.31	0.28	0.21	0.14	0.17	0.16	
+	0.17	0.13	0.13	0.08	0.09	0.14	0.13	0.14	0.18	0.20	0.13	0.17	
+	0.31	0.37	0.33	0.26	0.28	0.41	0.42	0.38	0.11	0.09	0.10	0.13	
+	0.15	0.17	0.17	0.09	0.09	0.19	0.17	0.18	0.09	0.19	0.25	0.26	
+	0.34	0.36	0.33	0.31	0.31	0.39	0.40	0.39	0.14	0.09	0.11	0.13	
+	0.15	0.17	0.12	0.09	0.06	0.20	0.18	0.17	0.16	0.16	0.13	0.25	
+	0.26	0.30	0.32	0.30	0.37	0.42	0.38	0.35	0.20	0.08	0.11	0.10	
+	0.14	0.19	0.16	0.13	0.10	0.21	0.14	0.13	0.14	0.16	0.14	0.15	
+	0.22	0.33	0.34	0.26	0.37	0.40	0.32	0.40	0.11	0.08	0.10	0.12	
+	0.17	0.16	0.15	0.09	0.05	0.06	0.12	0.12	0.10	0.18	0.05	0.12	
+	0.21	0.34	0.37	0.35	0.33	0.37	0.34	0.31	0.11	0.08	0.12	0.06	
+	0.11	0.13	0.12	0.09	0.03	0.05	0.10	0.09	0.10	0.12	0.17	0.18	

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 4.8785

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 26 May 2008 - 1 June 2008

X =====

NORTH SYSTEM TRANSMISSION SYSTEM

X DELIVERY POINT WESTFIELD

X CODE

RAMP WFDEXT.V1 = 2.758

+	2.61	2.31	2.23	2.42	2.70	3.64	5.64	8.17	8.48	7.86	7.75	8.02
+	8.06	7.88	7.55	7.00	7.56	8.12	8.39	8.12	7.01	6.42	5.14	4.26
+	3.48	2.82	3.11	3.21	3.51	4.28	5.99	9.33	9.96	9.02	8.18	8.09
+	8.23	7.93	7.47	6.77	6.65	7.60	8.32	7.92	7.46	6.58	5.08	3.82
+	3.56	2.81	2.89	3.00	3.04	3.43	5.76	9.02	9.54	8.61	8.04	8.12
+	8.29	8.79	8.16	7.05	6.48	7.00	7.66	7.34	6.81	6.18	5.30	3.63
+	2.67	2.68	2.54	2.49	2.74	3.87	6.44	9.43	10.24	9.11	8.54	8.80
+	9.00	8.97	8.51	7.55	7.11	7.50	7.79	7.77	6.98	6.59	5.29	3.79
+	3.22	3.04	2.82	2.81	2.78	3.76	5.79	8.52	9.09	8.02	8.11	8.04
+	7.96	7.76	6.48	5.94	5.89	5.96	6.27	5.87	5.50	4.84	4.09	3.14
+	2.61	2.48	2.00	2.01	2.09	2.20	2.67	3.74	5.38	5.94	6.25	6.09
+	5.86	6.27	5.83	5.05	4.92	5.01	5.11	4.08	3.55	3.12	2.54	1.99
+	1.41	1.16	0.99	0.72	0.74	0.97	1.45	2.23	3.78	5.05	5.36	5.70
+	5.62	5.74	5.36	4.47	4.01	4.49	4.53	4.23	3.83	3.21	2.67	2.11

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 135.07

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 26 May 2008 - 1 June 2008

X =====

X DELIVERY POINT WHANGAREI

X CODE

RAMP WHGEXT.V1 = 0.149

+	0.14	0.12	0.13	0.17	0.18	0.18	0.27	0.28	0.31	0.23	0.22	0.21
+	0.22	0.26	0.22	0.18	0.24	0.26	0.25	0.24	0.24	0.19	0.16	0.15
+	0.14	0.18	0.17	0.15	0.13	0.16	0.28	0.30	0.29	0.28	0.29	0.28
+	0.27	0.24	0.22	0.23	0.23	0.24	0.20	0.19	0.17	0.16	0.16	0.11
+	0.11	0.16	0.14	0.11	0.09	0.09	0.19	0.25	0.26	0.23	0.18	0.17
+	0.17	0.16	0.15	0.18	0.18	0.21	0.25	0.21	0.19	0.16	0.14	0.09
+	0.08	0.17	0.09	0.15	0.09	0.15	0.25	0.32	0.31	0.28	0.27	0.22
+	0.18	0.15	0.15	0.14	0.14	0.17	0.19	0.19	0.18	0.14	0.11	0.10
+	0.12	0.12	0.12	0.11	0.12	0.12	0.20	0.26	0.27	0.23	0.20	0.19
+	0.21	0.21	0.18	0.19	0.22	0.25	0.22	0.21	0.20	0.20	0.15	0.13
+	0.15	0.16	0.13	0.10	0.08	0.09	0.13	0.15	0.18	0.16	0.16	0.16
+	0.14	0.18	0.16	0.14	0.15	0.23	0.24	0.18	0.16	0.17	0.16	0.11
+	0.08	0.08	0.08	0.07	0.07	0.08	0.09	0.10	0.12	0.12	0.13	0.13
+	0.14	0.13	0.15	0.16	0.16	0.17	0.21	0.19	0.15	0.14	0.13	0.12

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 4.3315

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 26 May 2008 - 1 June 2008

X =====

FRANKLEY RD TRANSMISSION SYSTEM

X DELIVERY POINT AMMONIA UREA PLANT

X CODE

RAMP	AUPEXT.V1	=	2.653										
+		2.65	2.66	2.66	2.65	2.64	2.62	2.62	2.62	2.62	2.63	2.65	2.64
+		2.64	2.65	2.65	2.66	2.68	2.68	2.68	2.68	2.67	2.67	2.67	2.66
+		2.65	2.65	2.65	2.65	2.65	2.65	2.66	2.66	2.66	2.65	2.64	2.63
+		2.62	2.62	2.63	2.61	2.61	2.62	2.62	2.63	2.62	2.62	2.62	2.62
+		2.63	2.63	2.63	2.63	2.64	2.65	2.64	2.64	2.64	2.64	2.48	2.49
+		2.61	2.66	2.66	2.65	2.65	2.65	2.65	2.64	2.64	2.64	2.65	2.65
+		2.65	2.65	2.65	2.27	2.19	2.21	2.48	2.56	2.64	2.62	2.58	2.59
+		2.59	2.65	2.62	2.61	2.60	2.61	2.61	2.62	2.62	2.62	2.61	2.61
+		2.61	2.62	2.62	2.63	2.63	2.64	2.64	2.64	2.63	2.62	2.63	2.63
+		2.63	2.63	2.63	2.63	2.63	2.64	2.63	2.63	2.64	2.63	2.64	2.64
+		2.64	2.64	2.63	2.64	2.63	2.62	2.63	2.63	2.64	2.62	2.63	2.63
+		2.63	2.62	2.62	2.63	2.63	2.63	2.64	2.63	2.64	2.64	2.65	2.64
+		2.63	2.63	2.63	2.63	2.62	2.63	2.63	2.63	2.62	2.62	2.61	2.61
+		2.61	2.61	2.61	2.61	2.61	2.61	2.63	2.62	2.63	2.63	2.63	2.63

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 63.08

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 2 JUNE 2008 - 8 JUNE 2008

X =====

X DELIVERY POINT KAPUNI LACTOSE

X CODE

RAMP	LACEXT.V1	=	0.01										
+		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01
+		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01
+		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 0.28

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 2 JUNE 2008 - 8 JUNE 2008

X =====

X DELIVERY POINT KAPUNI GAS TREATMENT PLANT (BYPASS)

X CODE

RAMP	KAMEXT.V1	=	4.04										
+		4.04	4.05	4.04	4.04	4.04	4.04	4.41	4.77	4.96	5.04	5.04	
+		5.45	8.56	9.32	9.36	8.96	8.92	8.75	8.72	8.72	8.72	8.72	8.72
+		8.73	8.73	8.73	8.72	8.73	8.72	8.73	8.72	8.73	8.73	8.72	8.73
+		8.72	8.72	8.72	8.72	8.72	8.72	8.72	8.72	8.72	8.72	8.72	8.72
+		8.72	8.72	8.73	8.73	8.73	8.72	8.73	8.73	9.49	10.02	10.02	10.02
+		10.02	10.02	10.02	10.02	10.19	11.92	12.01	12.02	12.02	12.01	12.02	12.02
+		12.01	12.02	12.03	12.03	12.02	11.49	9.79	9.43	9.42	9.41	9.24	9.22
+		9.23	9.23	9.23	9.22	9.06	8.79	8.83	8.82	8.82	8.82	8.82	8.83
+		8.83	8.82	8.82	8.83	8.83	8.83	6.98	5.04	5.04	5.04	5.04	5.04
+		5.03	5.03	5.03	5.04	5.13	7.02	7.04	7.04	7.04	7.04	7.03	7.03
+		7.03	7.03	7.03	7.03	7.03	7.03	7.03	7.03	7.03	7.03	7.03	7.03
+		7.02	7.03	7.03	7.03	7.03	7.03	7.03	7.04	8.06	8.29	7.80	7.33
+		7.23	7.23	7.13	7.04	7.04	7.02	6.58	6.54	6.54	6.54	6.54	6.53
+		6.54	6.53	6.53	6.53	6.53	6.53	6.54	6.31	6.04	6.03	6.04	6.04

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 190.51

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 2 JUNE 2008 - 8 JUNE 2008

X =====

FRANKLEY RD TRANSMISSION SYSTEM

X DELIVERY POINT TARANIKI COMBINED CYCLE POWER STATION

X CODE

RAMP	TCCEXT.V1	=	13.49											
+	11.78	9.77	10.89	14.37	14.15	16.58	17.76	19.04	19.07	19.04	19.05	19.09		
+	19.07	19.11	19.20	19.23	19.22	19.24	19.27	19.31	19.33	19.36	19.40	19.05		
+	13.70	13.42	12.88	13.84	13.85	17.25	17.71	17.74	17.73	17.71	17.61	17.45		
+	17.32	17.32	17.61	17.54	17.56	17.66	17.70	17.72	17.76	17.77	17.28	17.10		
+	16.81	15.88	17.75	13.61	12.50	17.11	17.86	17.93	17.85	17.75	17.77	17.73		
+	17.74	17.75	17.72	17.75	17.84	17.94	17.97	17.94	17.92	17.94	17.97	18.00		
+	17.95	17.97	18.02	18.03	18.03	18.02	18.05	18.03	17.93	17.78	17.80	17.74		
+	17.67	17.66	17.58	17.54	17.55	17.60	17.61	17.66	17.70	17.69	17.74	17.66		
+	17.73	17.95	17.98	17.94	17.91	17.90	17.83	17.82	17.89	17.81	17.76	17.68		
+	17.60	17.60	17.60	17.59	17.62	17.62	17.71	17.73	17.68	17.94	17.89	17.87		
+	17.88	17.87	17.85	17.81	17.79	17.80	17.62	17.47	17.43	17.38	17.34	17.29		
+	17.23	17.27	17.25	17.28	17.23	17.20	17.19	17.12	17.10	17.29	17.31	17.35		
+	17.32	17.38	17.48	17.48	17.45	17.46	17.49	17.51	17.58	17.53	17.51	17.57		
+	17.56	17.54	17.54	17.51	17.51	17.57	17.57	17.57	17.51	17.48	17.46	17.44		

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 418.84

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 2 JUNE 2008 - 8 JUNE 2008

X =====

CNETRAL NORTH TRANSMISSION SYSTEM

X DELIVERY POINT CAMBRIDGE

X CODE

RAMP CAMEXT.V1 = 0.429

+	0.41	0.43	0.48	0.46	0.46	0.47	0.47	0.44	0.52	0.40	0.36	0.38
+	0.40	0.38	0.40	0.36	0.35	0.34	0.34	0.41	0.46	0.37	0.32	0.45
+	0.39	0.48	0.52	0.53	0.46	0.47	0.52	0.43	0.44	0.44	0.42	0.48
+	0.50	0.58	0.59	0.58	0.58	0.59	0.59	0.55	0.63	0.66	0.62	0.59
+	0.60	0.55	0.60	0.51	0.46	0.47	0.48	0.46	0.49	0.49	0.54	0.60
+	0.62	0.69	0.62	0.61	0.64	0.69	0.66	0.59	0.67	0.69	0.63	0.58
+	0.54	0.52	0.53	0.52	0.49	0.49	0.50	0.50	0.43	0.48	0.52	0.53
+	0.54	0.43	0.42	0.41	0.45	0.46	0.51	0.53	0.41	0.42	0.48	0.46
+	0.44	0.50	0.52	0.53	0.52	0.58	0.60	0.57	0.51	0.46	0.41	0.48
+	0.53	0.57	0.54	0.53	0.46	0.49	0.52	0.58	0.63	0.59	0.52	0.46
+	0.59	0.54	0.55	0.49	0.48	0.47	0.49	0.47	0.45	0.37	0.35	0.35
+	0.40	0.39	0.40	0.38	0.45	0.61	0.61	0.61	0.62	0.60	0.62	0.60
+	0.48	0.50	0.46	0.46	0.53	0.56	0.57	0.57	0.58	0.56	0.53	0.52
+	0.53	0.48	0.50	0.53	0.55	0.58	0.62	0.52	0.49	0.47	0.39	0.00

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 12.56

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 24 September 2007 - 30 september 2007

X =====

X DELIVERY POINT HOROTIU

X CODE

RAMP HTEEXT.V1 = 0.03

+	0.03	0.03	0.17	0.12	0.12	0.08	0.12	0.13	0.10	0.17	0.15	0.22
+	0.16	0.13	0.18	0.17	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.01	0.03	0.23	0.13	0.11	0.16	0.14	0.16	0.20	0.21
+	0.22	0.16	0.20	0.20	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.01	0.04	0.20	0.12	0.12	0.15	0.12	0.13	0.22	0.17
+	0.16	0.12	0.11	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.01	0.08	0.19	0.11	0.12	0.17	0.10	0.13	0.21	0.20
+	0.21	0.20	0.19	0.19	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.01	0.04	0.20	0.13	0.14	0.13	0.15	0.13	0.21	0.16
+	0.19	0.16	0.19	0.10	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 1.52

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 24 September 2007 - 30 september 2007

X =====

X DELIVERY POINT KIWITAHU (KIWI FERTILISER)

X CODE

RAMP KIWEXT.V1 = 0.00

+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.01	0.02	0.00	0.01	0.01
+	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.01	0.01	0.00	0.02	0.01
+	0.01	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.01	0.01	0.00	0.02	0.01	0.00	0.02	0.00	0.01
+	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.02	0.01	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.02	0.00	0.01	0.01	0.00
+	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 0.10

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 24 September 2007 - 30 september 2007

X =====

CNETRAL NORTH TRANSMISSION SYSTEM

X DELIVERY POINT KIWITAH (PEROXIDE)

X CODE

RAMP DUPEXT.V1 = 0.26

+	0.27	0.27	0.27	0.26	0.27	0.27	0.27	0.26	0.27	0.26	0.27	0.26
+	0.26	0.27	0.27	0.27	0.27	0.26	0.27	0.27	0.27	0.26	0.27	0.26
+	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.26	0.26	0.26	0.26
+	0.27	0.27	0.27	0.26	0.27	0.26	0.26	0.27	0.27	0.27	0.27	0.27
+	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
+	0.28	0.28	0.28	0.27	0.27	0.26	0.27	0.27	0.27	0.26	0.26	0.26
+	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.27
+	0.26	0.26	0.26	0.25	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
+	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
+	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
+	0.26	0.26	0.26	0.27	0.26	0.26	0.27	0.26	0.26	0.26	0.26	0.26
+	0.26	0.25	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
+	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.26	0.25	0.26	0.25	0.25
+	0.26	0.25	0.26	0.25	0.26	0.25	0.26	0.26	0.26	0.27	0.26	0.27

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 6.55

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 24 September 2007 - 30 september 2007

X =====

X DELIVERY POINT MORRINSVILLE

X CODE

RAMP MDIEXT.V1 = 0.01

+	0.01	0.01	0.01	0.01	0.01	0.02	0.05	0.06	0.03	0.04	0.03	0.04
+	0.04	0.05	0.06	0.05	0.06	0.07	0.08	0.07	0.06	0.05	0.04	0.04
+	0.04	0.02	0.02	0.03	0.02	0.03	0.04	0.05	0.06	0.05	0.05	0.05
+	0.04	0.04	0.05	0.05	0.05	0.07	0.07	0.07	0.06	0.05	0.04	0.04
+	0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.07	0.05	0.04	0.05	0.05
+	0.04	0.02	0.03	0.03	0.04	0.04	0.06	0.05	0.06	0.04	0.04	0.04
+	0.03	0.02	0.02	0.02	0.03	0.03	0.07	0.08	0.08	0.06	0.07	0.05
+	0.04	0.02	0.03	0.04	0.04	0.04	0.06	0.06	0.06	0.06	0.05	0.02
+	0.03	0.02	0.03	0.03	0.03	0.04	0.05	0.06	0.06	0.05	0.05	0.04
+	0.03	0.03	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.02
+	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.03	0.03	0.04	0.04	0.04
+	0.03	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.03	0.03	0.02	0.01
+	0.01	0.01	0.02	0.01	0.01	0.01	0.02	0.03	0.05	0.05	0.04	0.04
+	0.03	0.01	0.01	0.02	0.03	0.04	0.04	0.03	0.02	0.02	0.01	0.01

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 0.92

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 24 September 2007 - 30 september 2007

X =====

X DELIVERY POINT MORRINSVILLE DAIRY FACTORY

X CODE

RAMP MDFEXT.V1 = 0.53

+	0.52	0.50	0.44	0.36	0.39	0.43	0.37	0.35	0.42	0.40	0.41	0.37
+	0.38	0.37	0.50	0.52	0.53	0.53	0.56	0.49	0.47	0.54	0.56	0.56
+	0.56	0.48	0.47	0.46	0.51	0.51	0.51	0.52	0.55	0.44	0.38	0.38
+	0.50	0.56	0.47	0.44	0.41	0.49	0.49	0.47	0.49	0.52	0.50	0.51
+	0.53	0.53	0.51	0.52	0.50	0.52	0.53	0.43	0.38	0.41	0.49	0.49
+	0.46	0.49	0.58	0.59	0.58	0.54	0.53	0.55	0.59	0.58	0.54	0.50
+	0.51	0.52	0.54	0.50	0.44	0.32	0.30	0.25	0.27	0.43	0.44	0.51
+	0.59	0.57	0.55	0.55	0.55	0.55	0.55	0.54	0.52	0.54	0.55	0.56
+	0.55	0.55	0.55	0.48	0.38	0.39	0.42	0.51	0.46	0.46	0.52	0.50
+	0.49	0.51	0.53	0.52	0.52	0.52	0.53	0.53	0.58	0.57	0.51	0.51
+	0.51	0.50	0.38	0.34	0.26	0.31	0.43	0.51	0.51	0.53	0.54	0.55
+	0.55	0.57	0.57	0.57	0.57	0.56	0.57	0.56	0.54	0.50	0.48	0.52
+	0.60	0.49	0.34	0.37	0.35	0.41	0.40	0.54	0.54	0.53	0.54	0.55
+	0.54	0.54	0.54	0.51	0.49	0.45	0.42	0.44	0.50	0.49	0.54	0.56

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 12.25

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 24 September 2007 - 30 september 2007

X =====

CNETRAL NORTH TRANSMISSION SYSTEM

X DELIVERY POINT TATUANUI

X CODE

RAMP	TATEXT.V1	=	0.25											
+		0.23	0.25	0.24	0.22	0.23	0.24	0.26	0.23	0.27	0.25	0.24	0.28	
+		0.28	0.21	0.25	0.25	0.26	0.24	0.23	0.24	0.23	0.24	0.24	0.25	
+		0.26	0.26	0.26	0.23	0.21	0.24	0.28	0.27	0.30	0.29	0.26	0.27	
+		0.28	0.27	0.27	0.28	0.27	0.25	0.26	0.26	0.28	0.27	0.26	0.25	
+		0.26	0.25	0.25	0.23	0.24	0.25	0.28	0.24	0.31	0.30	0.25	0.26	
+		0.26	0.30	0.28	0.30	0.15	0.21	0.26	0.22	0.25	0.26	0.26	0.24	
+		0.24	0.23	0.24	0.25	0.25	0.26	0.28	0.27	0.29	0.33	0.34	0.33	
+		0.31	0.30	0.29	0.29	0.26	0.21	0.18	0.21	0.26	0.28	0.26	0.29	
+		0.28	0.26	0.24	0.23	0.20	0.24	0.23	0.21	0.27	0.29	0.34	0.32	
+		0.30	0.26	0.28	0.29	0.26	0.24	0.16	0.19	0.24	0.26	0.25	0.25	
+		0.27	0.27	0.25	0.23	0.21	0.24	0.25	0.26	0.25	0.27	0.28	0.27	
+		0.27	0.27	0.27	0.27	0.28	0.26	0.24	0.25	0.23	0.20	0.20	0.22	
+		0.22	0.22	0.25	0.24	0.26	0.24	0.26	0.27	0.28	0.26	0.27	0.25	
+		0.26	0.24	0.12	0.11	0.25	0.20	0.23	0.25	0.24	0.24	0.24	0.25	

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 6.32

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 24 September 2007 - 30 september 2007

X =====

X DELIVERY POINT TE KOWHAI

X CODE

RAMP	TKWEXT.V1	=	0.599											
+		0.51	0.49	0.49	0.52	0.62	0.81	1.01	1.22	1.18	1.06	0.98	0.91	
+		0.87	0.79	0.78	0.72	0.70	0.87	1.01	1.00	0.95	0.85	0.71	0.61	
+		0.59	0.60	0.60	0.57	0.60	0.80	1.08	1.23	1.16	1.06	0.99	0.97	
+		0.97	0.96	0.94	0.93	1.01	1.17	1.17	1.19	1.16	1.12	0.98	0.82	
+		0.71	0.64	0.62	0.59	0.63	0.76	1.10	1.44	1.28	1.30	1.24	1.13	
+		0.96	0.98	1.05	0.96	0.91	0.98	1.17	1.24	1.19	1.07	0.96	0.81	
+		0.71	0.70	0.67	0.62	0.68	0.86	1.23	1.41	1.29	1.26	1.18	1.13	
+		1.07	1.06	1.03	0.97	1.05	1.11	1.19	1.26	1.23	1.16	1.04	0.84	
+		0.73	0.71	0.69	0.65	0.73	0.96	1.36	1.58	1.39	1.18	1.13	1.05	
+		0.97	0.93	0.90	0.81	0.82	0.95	1.10	1.18	1.16	1.06	0.90	0.73	
+		0.61	0.62	0.59	0.53	0.53	0.60	0.81	1.02	1.11	1.06	0.89	0.83	
+		0.77	0.72	0.71	0.70	0.76	0.94	1.10	1.11	1.05	0.96	0.81	0.65	
+		0.59	0.52	0.45	0.45	0.48	0.59	0.78	0.91	1.01	1.00	0.90	0.86	
+		0.87	0.78	0.71	0.78	0.92	1.03	1.05	1.04	0.93	0.79	0.63	0.55	

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 22.67

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 24 September 2007 - 30 september 2007

X =====

X DELIVERY POINT TE RAPA COGEN

X CODE

RAMP	TRCEXT.V1	=	6.04											
+		3.03	2.14	2.28	2.34	2.39	2.54	2.50	2.43	2.44	2.45	2.48	2.37	
+		2.30	2.31	2.32	2.27	2.31	2.36	2.35	2.49	2.43	2.48	2.48	2.44	
+		2.40	2.39	2.49	2.35	2.45	2.43	2.40	2.34	2.53	2.58	2.44	2.45	
+		2.32	2.40	2.44	2.25	2.26	2.17	2.17	2.38	2.71	5.77	6.18	6.16	
+		6.21	6.25	6.28	6.21	5.94	6.29	6.34	6.49	6.46	6.22	6.12	6.05	
+		6.03	6.11	6.13	6.26	5.98	6.05	6.14	6.17	6.28	6.26	6.24	5.91	
+		6.13	6.32	6.10	5.89	5.74	5.93	5.67	5.52	5.67	6.03	6.27	6.11	
+		6.09	6.21	6.18	6.15	6.11	6.19	6.25	6.29	6.23	6.29	6.23	6.38	
+		6.36	6.30	6.29	6.35	6.52	6.41	6.17	6.31	6.25	5.96	5.90	6.07	
+		5.75	5.87	5.96	6.16	6.21	6.22	6.20	6.24	6.25	6.25	6.31	6.33	
+		6.40	6.29	6.21	6.39	6.43	6.40	6.30	6.15	5.96	6.21	6.15	6.17	
+		6.13	6.13	6.12	6.07	6.22	6.10	6.11	6.23	6.18	6.03	6.09	6.17	
+		6.21	6.18	6.16	6.19	6.17	6.20	6.28	6.18	5.98	6.03	6.02	6.07	
+		6.07	6.00	6.18	6.19	6.12	6.10	6.20	6.03	6.06	6.14	6.05	6.23	

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 128.88

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 24 September 2007 - 30 september 2007

X =====

CNETRAL NORTH TRANSMISSION SYSTEM

X DELIVERY POINT TEMPLE VIEW

X CODE

RAMP	HAMEXT.V1 =	0.04											
+	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.31	0.65	0.57	0.38	0.32	0.41
+	0.35	0.30	0.29	0.26	0.29	0.33	0.46	0.54	0.48	0.42	0.34	0.24	
+	0.12	0.11	0.09	0.08	0.12	0.30	0.56	0.91	0.86	0.68	0.41	0.36	
+	0.34	0.36	0.50	0.38	0.46	0.70	0.70	1.03	0.92	0.68	0.33	0.16	
+	0.05	0.05	0.04	0.04	0.05	0.14	0.42	0.86	0.73	0.43	0.28	0.26	
+	0.18	0.13	0.18	0.20	0.20	0.20	0.37	0.49	0.48	0.39	0.29	0.20	
+	0.10	0.08	0.07	0.05	0.08	0.23	0.67	1.09	0.94	0.60	0.36	0.32	
+	0.26	0.23	0.21	0.18	0.18	0.26	0.43	0.55	0.52	0.43	0.32	0.18	
+	0.08	0.06	0.06	0.06	0.05	0.10	0.51	0.94	0.74	0.57	0.38	0.30	
+	0.24	0.21	0.18	0.14	0.18	0.21	0.37	0.52	0.50	0.39	0.29	0.20	
+	0.14	0.08	0.07	0.06	0.05	0.06	0.19	0.34	0.31	0.29	0.21	0.16	
+	0.13	0.10	0.08	0.06	0.11	0.20	0.31	0.35	0.32	0.28	0.20	0.15	
+	0.08	0.06	0.06	0.05	0.06	0.07	0.20	0.29	0.34	0.34	0.29	0.25	
+	0.25	0.21	0.20	0.29	0.40	0.52	0.56	0.50	0.37	0.22	0.09	0.04	

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 7.48

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 24 September 2007 - 30 september 2007

X =====

X DELIVERY POINT WAITOA

X CODE

RAMP	WTAEXT.V1 =	0.02											
+	0.03	0.03	0.03	0.07	0.07	0.09	0.12	0.15	0.11	0.09	0.11	0.11	
+	0.13	0.23	0.21	0.18	0.24	0.25	0.27	0.30	0.29	0.31	0.35	0.33	
+	0.34	0.35	0.34	0.32	0.30	0.31	0.30	0.30	0.29	0.25	0.25	0.23	
+	0.20	0.23	0.24	0.26	0.27	0.28	0.30	0.33	0.31	0.32	0.34	0.31	
+	0.35	0.34	0.33	0.34	0.32	0.34	0.35	0.35	0.36	0.32	0.28	0.25	
+	0.24	0.22	0.23	0.23	0.27	0.27	0.33	0.34	0.31	0.33	0.34	0.31	
+	0.32	0.34	0.34	0.37	0.36	0.39	0.41	0.40	0.38	0.35	0.35	0.33	
+	0.30	0.27	0.28	0.27	0.29	0.29	0.31	0.32	0.32	0.35	0.36	0.33	
+	0.37	0.36	0.36	0.35	0.34	0.31	0.28	0.28	0.25	0.25	0.25	0.25	
+	0.23	0.23	0.23	0.29	0.30	0.31	0.30	0.33	0.32	0.34	0.35	0.35	
+	0.35	0.35	0.31	0.31	0.29	0.27	0.27	0.27	0.26	0.22	0.16	0.14	
+	0.14	0.15	0.16	0.15	0.16	0.16	0.18	0.19	0.20	0.20	0.20	0.18	
+	0.17	0.18	0.18	0.17	0.18	0.17	0.20	0.19	0.18	0.18	0.18	0.13	
+	0.10	0.05	0.02	0.01	0.03	0.03	0.04	0.04	0.04	0.03	0.03	0.04	

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 6.13

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 24 September 2007 - 30 september 2007

X =====

CENTRAL SOUTH TRANSMISSION SYSTEM

X DELIVERY POINT ELTHAM

X CODE

RAMP	ELTEXT.V1	=	0.097										
+		0.10	0.09	0.09	0.09	0.10	0.12	0.15	0.17	0.15	0.11	0.10	0.09
+		0.11	0.09	0.08	0.09	0.08	0.09	0.10	0.11	0.09	0.09	0.08	0.09
+		0.08	0.08	0.08	0.08	0.06	0.08	0.08	0.10	0.07	0.08	0.07	0.07
+		0.09	0.08	0.05	0.06	0.07	0.07	0.07	0.08	0.07	0.06	0.05	0.05
+		0.05	0.05	0.05	0.06	0.05	0.07	0.10	0.12	0.11	0.12	0.11	0.10
+		0.10	0.08	0.08	0.09	0.08	0.09	0.09	0.09	0.08	0.08	0.07	0.06
+		0.06	0.06	0.05	0.05	0.05	0.07	0.10	0.13	0.10	0.10	0.08	0.07
+		0.08	0.08	0.08	0.08	0.07	0.08	0.08	0.07	0.08	0.07	0.09	0.07
+		0.08	0.07	0.07	0.07	0.07	0.08	0.10	0.13	0.13	0.12	0.10	0.09
+		0.09	0.08	0.08	0.07	0.07	0.09	0.08	0.10	0.09	0.08	0.07	0.07
+		0.07	0.06	0.07	0.05	0.06	0.08	0.10	0.10	0.10	0.09	0.10	0.08
+		0.08	0.08	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07
+		0.07	0.07	0.06	0.06	0.06	0.07	0.11	0.12	0.12	0.12	0.09	0.08
+		0.07	0.07	0.07	0.07	0.08	0.08	0.09	0.09	0.08	0.07	0.07	0.07

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 2.08

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 July 2007 - 15 July 2007

X =====

X DELIVERY POINT INGLEWOOD

X CODE

RAMP	INGEXT.V1	=	0.01										
+		0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.04	0.05	0.04	0.04	0.04
+		0.04	0.03	0.03	0.04	0.04	0.05	0.05	0.05	0.04	0.03	0.02	0.01
+		0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.04	0.05	0.05	0.05	0.06
+		0.05	0.05	0.05	0.04	0.05	0.06	0.06	0.06	0.05	0.04	0.03	0.01
+		0.01	0.00	0.00	0.00	0.00	0.01	0.03	0.06	0.06	0.07	0.06	0.06
+		0.06	0.05	0.06	0.05	0.05	0.06	0.07	0.06	0.05	0.04	0.03	0.01
+		0.01	0.00	0.00	0.00	0.00	0.01	0.04	0.06	0.06	0.07	0.05	0.04
+		0.03	0.02	0.03	0.03	0.05	0.06	0.06	0.06	0.06	0.05	0.03	0.01
+		0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.06	0.06	0.06	0.05	0.04
+		0.04	0.03	0.03	0.02	0.02	0.04	0.05	0.05	0.05	0.04	0.03	0.02
+		0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.05	0.05	0.04	0.03
+		0.02	0.01	0.01	0.01	0.02	0.05	0.05	0.05	0.04	0.04	0.03	0.02
+		0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.02	0.04	0.04	0.03	0.02
+		0.02	0.01	0.01	0.01	0.02	0.05	0.06	0.05	0.05	0.03	0.02	0.01

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 0.78

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 July 2007 - 15 July 2007

X =====

X DELIVERY POINT NEW PLYMOUTH

X CODE

RAMP	NPGET.V1	=	0.60										
+		0.45	0.48	0.48	0.49	0.47	0.59	0.81	1.16	1.23	1.13	1.04	0.94
+		0.88	0.82	0.79	0.82	0.99	1.24	1.40	1.35	1.26	1.13	0.88	0.70
+		0.59	0.51	0.51	0.48	0.56	0.62	0.87	1.23	1.38	1.35	1.24	1.19
+		1.14	1.24	1.18	1.17	1.17	1.37	1.47	1.47	1.42	1.25	1.02	0.73
+		0.58	0.53	0.58	0.65	0.64	0.68	0.90	1.23	1.34	1.39	1.34	1.32
+		1.32	1.35	1.32	1.22	1.28	1.47	1.62	1.61	1.55	1.41	1.09	0.81
+		0.68	0.60	0.57	0.63	0.74	0.65	0.87	1.30	1.51	1.47	1.29	1.15
+		0.99	0.96	0.97	0.91	0.89	1.25	1.51	1.53	1.51	1.39	1.09	0.79
+		0.66	0.56	0.61	0.61	0.57	0.63	0.92	1.34	1.50	1.38	1.15	1.05
+		0.91	0.81	0.75	0.72	0.77	1.05	1.31	1.36	1.31	1.12	0.91	0.70
+		0.64	0.54	0.50	0.50	0.49	0.60	0.66	0.87	1.19	1.22	1.06	0.82
+		0.64	0.56	0.52	0.55	0.66	0.99	1.23	1.22	1.14	1.06	0.83	0.64
+		0.50	0.45	0.50	0.43	0.43	0.44	0.51	0.71	1.01	1.05	0.89	0.71
+		0.63	0.62	0.52	0.52	0.68	1.05	1.31	1.31	1.15	0.95	0.71	0.56

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 23.52

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 July 2007 - 15 July 2007

X =====

CENTRAL SOUTH TRANSMISSION SYSTEM

X DELIVERY POINT STRATFORD

X CODE

RAMP	SFDEXT.V1	=	0.03																			
+			0.03	0.02	0.03	0.03	0.03	0.04	0.08	0.11	0.11	0.11	0.09	0.07	0.04	0.03						
+			0.08	0.09	0.08	0.09	0.11	0.11	0.12	0.12	0.09	0.07	0.04	0.03								
+			0.03	0.03	0.02	0.02	0.03	0.05	0.09	0.12	0.14	0.12	0.11	0.12								
+			0.12	0.12	0.11	0.12	0.12	0.13	0.12	0.12	0.10	0.07	0.05	0.04								
+			0.04	0.03	0.03	0.03	0.03	0.06	0.11	0.12	0.15	0.14	0.13	0.15								
+			0.14	0.12	0.13	0.12	0.12	0.14	0.14	0.12	0.10	0.08	0.06	0.05								
+			0.03	0.03	0.04	0.03	0.04	0.06	0.11	0.15	0.14	0.13	0.11	0.10								
+			0.10	0.10	0.09	0.11	0.11	0.12	0.13	0.13	0.12	0.09	0.06	0.05								
+			0.04	0.04	0.03	0.03	0.04	0.08	0.11	0.15	0.16	0.14	0.13	0.12								
+			0.10	0.07	0.08	0.09	0.09	0.14	0.14	0.11	0.11	0.08	0.07	0.06								
+			0.05	0.04	0.04	0.04	0.04	0.05	0.06	0.10	0.12	0.11	0.08	0.06								
+			0.05	0.05	0.04	0.05	0.07	0.10	0.10	0.10	0.09	0.09	0.07	0.05								
+			0.04	0.04	0.04	0.03	0.03	0.04	0.06	0.08	0.11	0.13	0.10	0.08								
+			0.08	0.06	0.07	0.04	0.07	0.11	0.12	0.11	0.10	0.07	0.05	0.04								

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 2.06

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 July 2007 - 15 July 2007

X =====

X DELIVERY POINT WAITARA

X CODE

RAMP	WIGEXT.V1	=	0.05																			
+			0.05	0.04	0.04	0.05	0.05	0.06	0.07	0.10	0.11	0.10	0.09	0.10								
+			0.09	0.08	0.07	0.08	0.11	0.13	0.14	0.13	0.12	0.10	0.08	0.06								
+			0.05	0.05	0.05	0.05	0.06	0.07	0.07	0.10	0.11	0.11	0.10	0.10								
+			0.10	0.10	0.10	0.11	0.13	0.15	0.16	0.14	0.13	0.12	0.09	0.08								
+			0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.10	0.12	0.13	0.12	0.12								
+			0.12	0.12	0.12	0.13	0.14	0.16	0.18	0.16	0.15	0.14	0.11	0.09								
+			0.08	0.08	0.07	0.08	0.08	0.09	0.10	0.14	0.14	0.13	0.12	0.11								
+			0.11	0.09	0.09	0.09	0.11	0.15	0.17	0.17	0.16	0.14	0.12	0.10								
+			0.09	0.08	0.08	0.08	0.09	0.09	0.10	0.14	0.15	0.14	0.12	0.11								
+			0.09	0.08	0.08	0.08	0.09	0.13	0.16	0.15	0.15	0.13	0.12	0.10								
+			0.09	0.09	0.08	0.08	0.08	0.09	0.10	0.12	0.14	0.13	0.09	0.07								
+			0.06	0.05	0.05	0.05	0.07	0.11	0.13	0.13	0.12	0.12	0.10	0.09								
+			0.08	0.07	0.07	0.07	0.07	0.07	0.08	0.10	0.12	0.12	0.10	0.08								
+			0.07	0.07	0.05	0.06	0.09	0.13	0.14	0.14	0.12	0.11	0.09	0.07								

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 2.49

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 July 2007 - 15 July 2007

X =====

BOP TRANSMISSION SYSTEM

```

X DELIVERY POINT  Edgecume DF
X CODE
RAMP  EDFEXT.V1 =      1.255
+      1.27  1.25  1.25  1.23  1.25  1.23  1.25  1.31  1.23  1.15  1.12  0.94
+      0.88  0.88  1.07  1.06  1.08  1.03  1.01  1.02  1.04  1.02  1.05  1.15
+      1.22  1.20  1.18  1.21  1.11  1.05  0.99  1.01  0.80  0.93  0.95  0.96
+      1.01  1.10  1.12  1.16  1.23  1.18  1.12  1.12  1.12  1.10  1.07  1.09
+      1.10  1.11  1.11  1.08  1.06  1.03  1.06  1.08  1.04  1.02  1.00  0.90
+      0.85  0.87  0.95  1.02  1.00  0.97  0.93  0.95  1.00  0.95  0.97  0.95
+      1.00  1.05  1.06  1.13  1.24  1.18  1.25  1.18  1.12  1.11  1.06  1.06
+      1.09  1.09  1.09  1.17  1.22  1.29  1.16  1.09  1.16  1.12  1.21  1.23
+      1.21  1.13  1.08  1.09  1.13  1.12  1.12  1.10  1.07  1.06  1.02  1.01
+      0.98  0.97  1.05  1.05  1.15  1.21  1.13  1.19  1.21  1.13  1.09  1.14
+      1.22  1.18  1.19  1.21  1.19  1.21  1.21  1.16  1.09  0.99  0.85  0.88
+      0.91  1.05  1.08  1.05  1.10  1.20  1.24  1.15  1.15  1.15  1.18  1.14
+      1.11  1.10  1.08  1.04  1.02  1.00  0.94  0.95  0.92  0.90  0.89  0.91
+      0.86  0.87  0.89  0.94  0.98  1.12  1.11  1.14  1.09  1.10  1.13  1.09

```

```

+ TIME= WEEK
+ MULT=      1
+ ADD =      0
X Weekly Load TJ =      26.719
X Each figure represents average hourly flow rate in std. m3/s
X Profile date =      03 September 2007 - 9 September 2007
X =====

```

```

X DELIVERY POINT  Edgecume
X CODE
RAMP  EDGEEXT.V1 =      0
+      0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
+      0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
+      0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
+      0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
+      0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
+      0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
+      0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
+      0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
+      0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
+      0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
+      0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
+      0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
+      0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
+      0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00

```

```

+ TIME= WEEK
+ MULT=      1
+ ADD =      0
X Weekly Load TJ =      0.0033
X Each figure represents average hourly flow rate in std. m3/s
X Profile date =      03 September 2007 - 9 September 2007
X =====

```

```

X DELIVERY POINT  Gisborne
X CODE
RAMP  GSBEXT.V1 =      0.124
+      0.09  0.09  0.09  0.11  0.11  0.13  0.26  0.40  0.32  0.29  0.27  0.27
+      0.23  0.28  0.24  0.22  0.23  0.24  0.27  0.24  0.30  0.32  0.32  0.30
+      0.29  0.27  0.24  0.26  0.23  0.23  0.35  0.44  0.43  0.33  0.30  0.30
+      0.29  0.27  0.25  0.27  0.29  0.36  0.45  0.42  0.34  0.23  0.21  0.23
+      0.22  0.24  0.28  0.28  0.26  0.29  0.40  0.56  0.42  0.44  0.54  0.55
+      0.56  0.55  0.42  0.41  0.43  0.47  0.55  0.52  0.50  0.41  0.35  0.31
+      0.30  0.28  0.29  0.31  0.34  0.36  0.47  0.56  0.42  0.41  0.41  0.36
+      0.31  0.29  0.31  0.37  0.41  0.50  0.53  0.52  0.47  0.39  0.34  0.31
+      0.29  0.26  0.27  0.28  0.27  0.30  0.39  0.48  0.46  0.50  0.44  0.29
+      0.28  0.27  0.28  0.26  0.29  0.35  0.42  0.39  0.35  0.30  0.24  0.19
+      0.30  0.30  0.29  0.28  0.29  0.32  0.41  0.48  0.51  0.47  0.40  0.39
+      0.38  0.37  0.36  0.36  0.39  0.42  0.38  0.30  0.27  0.26  0.20  0.17
+      0.17  0.16  0.14  0.13  0.13  0.15  0.17  0.21  0.30  0.31  0.32  0.30
+      0.30  0.31  0.30  0.30  0.31  0.33  0.35  0.39  0.36  0.30  0.24  0.23

```

```

+ TIME= WEEK
+ MULT=      1
+ ADD =      0
X Weekly Load TJ =      7.9792
X Each figure represents average hourly flow rate in std. m3/s
X Profile date =      03 September 2007 - 9 September 2007
X =====

```

BOP TRANSMISSION SYSTEM

X DELIVERY POINT KAWERAU

X CODE

RAMP KAWEXT.V1 = 0.003

+	0.01	0.00	0.01	0.00	0.01	0.01	0.01	0.03	0.03	0.02	0.02	0.01	0.01
+	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01
+	0.00	0.01	0.00	0.00	0.01	0.01	0.02	0.03	0.02	0.02	0.01	0.01	0.01
+	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
+	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.03	0.02	0.02	0.01	0.01
+	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.01
+	0.01	0.01	0.01	0.01	0.01	0.02	0.04	0.04	0.03	0.01	0.01	0.01	0.01
+	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01
+	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.03	0.03	0.02	0.01	0.01
+	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01
+	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01
+	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01
+	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01
+	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 0.3378

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 03 September 2007 - 9 September 2007

X =====

X DELIVERY POINT KAWERAU CAXTON

X CODE

RAMP CXTEXT.V1 = 0.586

+	0.59	0.59	0.58	0.59	0.60	0.60	0.60	0.61	0.61	0.59	0.59	0.59	0.59
+	0.59	0.58	0.58	0.58	0.58	0.58	0.59	0.59	0.59	0.59	0.59	0.59	0.59
+	0.57	0.59	0.59	0.58	0.58	0.63	0.64	0.64	0.68	0.67	0.68	0.68	0.68
+	0.67	0.65	0.67	0.66	0.68	0.63	0.62	0.64	0.62	0.64	0.66	0.67	0.67
+	0.66	0.67	0.67	0.67	0.67	0.67	0.68	0.68	0.68	0.68	0.67	0.66	0.67
+	0.67	0.66	0.67	0.67	0.66	0.65	0.66	0.68	0.68	0.67	0.67	0.67	0.68
+	0.67	0.68	0.68	0.65	0.68	0.68	0.67	0.68	0.67	0.66	0.66	0.66	0.66
+	0.66	0.66	0.65	0.66	0.65	0.65	0.64	0.65	0.66	0.65	0.67	0.66	0.66
+	0.67	0.67	0.67	0.66	0.67	0.67	0.67	0.66	0.66	0.66	0.67	0.65	0.64
+	0.63	0.62	0.63	0.63	0.64	0.63	0.64	0.64	0.64	0.65	0.63	0.65	0.65
+	0.65	0.65	0.64	0.63	0.65	0.65	0.64	0.65	0.65	0.65	0.65	0.63	0.63
+	0.64	0.64	0.62	0.63	0.57	0.55	0.62	0.64	0.64	0.57	0.65	0.65	0.65
+	0.65	0.64	0.65	0.65	0.64	0.65	0.63	0.63	0.63	0.63	0.63	0.62	0.62
+	0.61	0.61	0.61	0.59	0.61	0.61	0.60	0.61	0.62	0.60	0.61	0.62	0.62

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 15.741

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 03 September 2007 - 9 September 2007

X =====

X DELIVERY POINT KAWERAU TASMAN

X CODE

RAMP TPPEXT.V1 = 0.471

+	0.47	0.47	0.49	0.49	0.50	0.47	0.46	0.46	0.45	0.46	0.45	0.44	0.44
+	0.46	0.46	0.46	0.46	0.46	0.46	0.47	0.47	0.47	0.48	0.48	0.48	0.48
+	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48
+	0.47	0.46	0.47	0.47	0.47	0.47	0.47	0.43	0.47	0.47	0.47	0.47	0.48
+	0.48	0.48	0.48	0.47	0.48	0.48	0.48	0.48	0.48	0.49	0.53	0.53	0.53
+	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.50	0.49	0.49	0.49	0.49	0.49
+	0.49	0.49	0.49	0.49	0.49	0.50	0.50	0.49	0.50	0.49	0.49	0.49	0.49
+	0.49	0.50	0.50	0.49	0.40	0.50	0.52	0.52	0.52	0.51	0.51	0.51	0.51
+	0.51	0.52	0.51	0.52	0.53	0.53	0.53	0.53	0.52	0.51	0.49	0.48	0.48
+	0.48	0.47	0.47	0.48	0.48	0.48	0.48	0.49	0.49	0.50	0.50	0.50	0.50
+	0.49	0.49	0.50	0.50	0.50	0.51	0.51	0.51	0.50	0.50	0.49	0.49	0.49
+	0.49	0.49	0.49	0.49	0.49	0.49	0.50	0.48	0.50	0.50	0.36	0.52	0.52
+	0.52	0.52	0.52	0.52	0.52	0.51	0.51	0.51	0.51	0.50	0.50	0.50	0.50
+	0.50	0.51	0.52	0.52	0.53	0.52	0.52	0.51	0.51	0.51	0.52	0.52	0.52

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 12.125

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 03 September 2007 - 9 September 2007

X =====

BOP TRANSMISSION SYSTEM

X DELIVERY POINT KIHIKIHI (TE AWAMUTU SOUTH)

X CODE

RAMP	TASEXT.V1	=	0.022											
+			0.02	0.01	0.01	0.02	0.04	0.06	0.10	0.13	0.11	0.10	0.08	0.06
+			0.06	0.06	0.05	0.06	0.06	0.09	0.12	0.11	0.10	0.07	0.04	0.02
+			0.01	0.02	0.01	0.02	0.05	0.06	0.10	0.12	0.11	0.09	0.06	0.05
+			0.04	0.04	0.06	0.06	0.07	0.10	0.12	0.11	0.09	0.07	0.04	0.02
+			0.01	0.01	0.01	0.02	0.04	0.06	0.09	0.12	0.11	0.11	0.10	0.09
+			0.09	0.10	0.09	0.10	0.11	0.13	0.14	0.13	0.13	0.10	0.06	0.03
+			0.03	0.02	0.02	0.03	0.05	0.07	0.13	0.15	0.12	0.09	0.07	0.06
+			0.05	0.04	0.05	0.04	0.05	0.07	0.13	0.13	0.12	0.10	0.06	0.03
+			0.02	0.02	0.03	0.03	0.06	0.08	0.13	0.14	0.12	0.10	0.07	0.05
+			0.04	0.03	0.03	0.02	0.04	0.08	0.10	0.11	0.10	0.09	0.07	0.04
+			0.02	0.02	0.02	0.03	0.03	0.04	0.06	0.08	0.08	0.08	0.05	0.03
+			0.03	0.03	0.03	0.04	0.05	0.07	0.09	0.09	0.08	0.06	0.05	0.04
+			0.03	0.02	0.02	0.02	0.02	0.03	0.04	0.06	0.08	0.07	0.07	0.06
+			0.05	0.05	0.05	0.05	0.09	0.11	0.12	0.12	0.10	0.07	0.03	0.03

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 1.5983

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 03 September 2007 - 9 September 2007

X =====

X DELIVERY POINT KINLEITH DISTRIBUTION

X CODE

RAMP	KIDEXT.V1	=	0.018											
+			0.02	0.02	0.02	0.02	0.04	0.03	0.03	0.02	0.03	0.03	0.03	0.02
+			0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
+			0.02	0.02	0.02	0.03	0.04	0.04	0.03	0.02	0.03	0.03	0.03	0.03
+			0.02	0.02	0.02	0.02	0.02	0.04	0.04	0.03	0.02	0.03	0.03	0.03
+			0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
+			0.02	0.02	0.02	0.03	0.04	0.06	0.05	0.03	0.03	0.05	0.05	0.04
+			0.03	0.02	0.02	0.02	0.01	0.02	0.03	0.03	0.03	0.03	0.03	0.03
+			0.03	0.03	0.03	0.04	0.05	0.06	0.06	0.04	0.04	0.05	0.05	0.06
+			0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
+			0.03	0.03	0.03	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02
+			0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01
+			0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+			0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.02	0.02	0.02	0.01

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 0.5668

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 03 September 2007 - 9 September 2007

X =====

X DELIVERY POINT KINLEITH MILL

X CODE

RAMP	KINEXT.V1	=	3.441											
+			3.14	3.56	3.06	3.21	3.17	2.98	3.06	2.74	2.70	2.90	2.62	2.39
+			2.19	2.78	2.74	2.82	4.86	5.26	5.38	5.15	3.43	3.42	3.82	2.37
+			2.29	2.48	2.52	2.53	2.64	2.88	3.07	3.32	2.91	2.41	2.52	2.48
+			2.48	2.44	2.52	2.52	2.60	3.07	2.88	2.96	2.83	2.73	2.64	2.41
+			2.72	3.26	3.35	2.88	3.08	2.65	2.35	2.48	2.24	4.02	4.38	5.25
+			4.37	3.73	3.83	3.17	4.54	5.61	5.74	5.78	5.53	3.88	3.29	3.40
+			3.63	3.63	3.71	3.71	3.71	3.64	3.10	2.65	2.93	2.53	2.60	2.20
+			2.12	2.71	2.79	2.28	2.80	2.77	3.16	3.24	3.09	2.85	3.05	2.50
+			3.04	3.08	2.84	2.91	3.02	2.86	2.94	2.85	2.70	2.85	2.77	2.65
+			2.26	3.39	4.06	4.22	4.15	3.42	3.14	2.94	3.49	3.57	3.37	3.25
+			2.87	2.91	2.55	2.47	2.94	3.49	3.22	3.22	3.64	3.88	2.82	3.41
+			3.21	3.52	4.57	4.46	4.19	4.24	3.53	4.43	4.59	4.47	4.47	4.97
+			4.82	4.90	5.02	4.95	4.83	4.95	4.91	5.06	5.03	4.91	6.30	7.17
+			7.02	6.16	5.52	6.94	6.89	6.30	6.01	6.14	4.35	4.49	4.76	4.77

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 88.601

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 03 September 2007 - 9 September 2007

X =====

BOP TRANSMISSION SYSTEM

X DELIVERY POINT LICHFIELD

X CODE

RAMP	LDTEXT.V1 =		0.529										
+		0.52	0.51	0.52	0.51	0.50	0.53	0.50	0.55	0.54	0.58	0.59	0.50
+		0.44	0.42	0.44	0.48	0.49	0.44	0.48	0.50	0.52	0.54	0.53	0.51
+		0.53	0.50	0.52	0.55	0.55	0.61	0.61	0.55	0.55	0.53	0.50	0.50
+		0.53	0.49	0.46	0.44	0.41	0.38	0.40	0.44	0.56	0.53	0.51	0.55
+		0.59	0.60	0.60	0.58	0.58	0.67	0.60	0.62	0.60	0.62	0.58	0.53
+		0.52	0.53	0.59	0.50	0.42	0.44	0.52	0.55	0.51	0.56	0.52	0.46
+		0.49	0.47	0.48	0.55	0.60	0.22	0.13	0.09	0.12	0.03	0.00	0.00
+		0.00	0.00	0.01	0.19	0.16	0.17	0.36	0.34	0.47	0.42	0.38	0.43
+		0.33	0.31	0.35	0.43	0.36	0.33	0.33	0.34	0.34	0.32	0.32	0.38
+		0.41	0.39	0.38	0.36	0.35	0.27	0.28	0.35	0.31	0.39	0.41	0.39
+		0.40	0.37	0.35	0.38	0.47	0.42	0.41	0.43	0.44	0.38	0.40	0.40
+		0.34	0.36	0.24	0.29	0.33	0.41	0.39	0.40	0.43	0.48	0.55	0.57
+		0.56	0.56	0.57	0.58	0.63	0.57	0.54	0.51	0.52	0.58	0.49	0.55
+		0.57	0.55	0.52	0.50	0.52	0.52	0.46	0.51	0.46	0.49	0.54	0.54

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 10.987

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 03 September 2007 - 9 September 2007

X =====

X DELIVERY POINT MT MANGANUI

X CODE

RAMP	MMGEXT.V1 =		0.429										
+		0.43	0.49	0.51	0.57	0.60	0.55	0.58	0.59	0.64	0.51	0.50	0.55
+		0.52	0.66	0.66	0.67	0.64	0.61	0.59	0.58	0.51	0.46	0.45	0.41
+		0.42	0.42	0.42	0.45	0.59	0.56	0.60	0.71	0.69	0.70	0.71	0.73
+		0.72	0.64	0.71	0.58	0.54	0.57	0.57	0.53	0.56	0.51	0.49	0.45
+		0.46	0.45	0.45	0.49	0.56	0.56	0.61	0.69	0.76	0.70	0.67	0.72
+		0.66	0.73	0.67	0.75	0.75	0.73	0.74	0.72	0.64	0.57	0.59	0.46
+		0.51	0.54	0.52	0.53	0.64	0.62	0.68	0.79	0.80	0.79	0.81	0.78
+		0.68	0.73	0.83	0.73	0.68	0.72	0.71	0.65	0.61	0.59	0.58	0.58
+		0.59	0.64	0.61	0.60	0.76	0.70	0.79	0.84	0.83	0.78	0.72	0.77
+		0.65	0.68	0.71	0.66	0.59	0.64	0.69	0.67	0.65	0.63	0.59	0.55
+		0.56	0.58	0.57	0.52	0.49	0.50	0.52	0.55	0.55	0.52	0.49	0.49
+		0.47	0.46	0.46	0.42	0.42	0.47	0.47	0.37	0.35	0.32	0.31	0.29
+		0.31	0.30	0.29	0.29	0.28	0.30	0.33	0.35	0.38	0.40	0.38	0.38
+		0.42	0.44	0.39	0.39	0.42	0.45	0.53	0.57	0.50	0.48	0.44	0.48

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 13.997

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 03 September 2007 - 9 September 2007

X =====

X DELIVERY POINT OPOTIKI

X CODE

RAMP	OPKEXT.V1 =		0										
+		0.02	0.01	0.01	0.01	0.02	0.03	0.03	0.04	0.03	0.00	0.00	0.00
+		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+		0.01	0.01	0.01	0.01	0.02	0.03	0.05	0.03	0.03	0.00	0.00	0.00
+		0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
+		0.01	0.02	0.00	0.00	0.03	0.03	0.05	0.04	0.04	0.01	0.01	0.00
+		0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.00	0.01	0.00	0.00	0.00
+		0.01	0.01	0.00	0.00	0.02	0.01	0.03	0.02	0.02	0.02	0.01	0.00
+		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
+		0.00	0.01	0.00	0.03	0.02	0.03	0.05	0.03	0.02	0.01	0.00	0.00
+		0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00
+		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+		0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
+		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02
+		0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 0.1896

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 03 September 2007 - 9 September 2007

X =====

X DELIVERY POINT PAPAMOA

BOP TRANSMISSION SYSTEM

X CODE
RAMP PAPEXT.V1 = 0.044
+ 0.05 0.06 0.05 0.06 0.06 0.09 0.17 0.18 0.16 0.12 0.11 0.09
+ 0.10 0.09 0.08 0.09 0.10 0.14 0.18 0.18 0.15 0.11 0.07 0.04
+ 0.04 0.04 0.04 0.05 0.06 0.09 0.15 0.18 0.15 0.12 0.11 0.11
+ 0.10 0.10 0.09 0.11 0.13 0.16 0.18 0.17 0.15 0.13 0.09 0.07
+ 0.06 0.06 0.06 0.06 0.07 0.09 0.14 0.17 0.16 0.14 0.14 0.14
+ 0.15 0.15 0.15 0.16 0.19 0.21 0.22 0.21 0.19 0.16 0.12 0.08
+ 0.07 0.07 0.07 0.07 0.08 0.11 0.18 0.20 0.17 0.14 0.12 0.12
+ 0.11 0.11 0.10 0.11 0.14 0.18 0.20 0.19 0.19 0.16 0.12 0.09
+ 0.08 0.07 0.07 0.07 0.08 0.09 0.17 0.20 0.16 0.13 0.11 0.11
+ 0.10 0.09 0.09 0.09 0.11 0.15 0.19 0.19 0.18 0.16 0.12 0.08
+ 0.06 0.06 0.05 0.05 0.06 0.07 0.11 0.17 0.17 0.16 0.12 0.11
+ 0.11 0.09 0.09 0.10 0.13 0.17 0.18 0.18 0.16 0.13 0.10 0.09
+ 0.07 0.06 0.04 0.04 0.05 0.06 0.08 0.14 0.16 0.17 0.15 0.13
+ 0.13 0.13 0.12 0.14 0.17 0.20 0.20 0.19 0.17 0.13 0.08 0.06

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 2.9291

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 03 September 2007 - 9 September 2007

X =====

X DELIVERY POINT PUTARURU

X CODE

RAMP PUTEXT.V1 = 0.093
+ 0.10 0.10 0.08 0.07 0.07 0.08 0.08 0.12 0.11 0.11 0.14 0.13
+ 0.11 0.12 0.11 0.11 0.10 0.08 0.09 0.08 0.07 0.06 0.05 0.03
+ 0.04 0.04 0.04 0.04 0.03 0.04 0.06 0.07 0.07 0.09 0.09 0.09
+ 0.09 0.10 0.12 0.13 0.11 0.09 0.11 0.12 0.15 0.15 0.15 0.14
+ 0.14 0.14 0.14 0.14 0.13 0.13 0.13 0.15 0.16 0.15 0.14 0.14
+ 0.10 0.13 0.10 0.14 0.14 0.13 0.13 0.10 0.11 0.12 0.12 0.11 0.11
+ 0.10 0.08 0.07 0.06 0.07 0.07 0.08 0.09 0.10 0.08 0.07 0.07
+ 0.06 0.07 0.06 0.07 0.06 0.10 0.11 0.11 0.08 0.11 0.09 0.11
+ 0.12 0.12 0.11 0.12 0.13 0.12 0.13 0.16 0.17 0.15 0.17 0.15
+ 0.13 0.13 0.14 0.14 0.13 0.14 0.14 0.13 0.11 0.09 0.09 0.08
+ 0.08 0.07 0.08 0.07 0.06 0.06 0.06 0.07 0.06 0.06 0.05 0.04
+ 0.04 0.03 0.04 0.01 0.02 0.02 0.03 0.06 0.06 0.04 0.07 0.04
+ 0.04 0.03 0.04 0.05 0.04 0.04 0.04 0.05 0.09 0.11 0.12 0.11
+ 0.12 0.10 0.10 0.13 0.13 0.13 0.14 0.13 0.13 0.12 0.12 0.11

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 2.3434

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 03 September 2007 - 9 September 2007

X =====

X DELIVERY POINT RAINBOW MOUNTAIN

X CODE

RAMP RBMEXT.V1 = 0
+ 0.00 0.00 0.00 0.00 0.00 0.00 0.02 0.04 0.07 0.00 0.02 0.17
+ 0.15 0.08 0.21 0.14 0.13 0.13 0.12 0.12 0.11 0.11 0.10 0.10
+ 0.10 0.11 0.07 0.15 0.11 0.09 0.06 0.12 0.10 0.01 0.02 0.01
+ 0.01 0.03 0.05 0.04 0.06 0.02 0.06 0.06 0.15 0.08 0.08 0.08
+ 0.08 0.06 0.06 0.05 0.05 0.04 0.09 0.13 0.19 0.26 0.21 0.19
+ 0.18 0.18 0.19 0.18 0.17 0.16 0.16 0.16 0.15 0.18 0.16 0.15
+ 0.14 0.15 0.08 0.10 0.08 0.08 0.13 0.10 0.08 0.17 0.14 0.11
+ 0.11 0.10 0.13 0.18 0.19 0.12 0.12 0.12 0.15 0.14 0.12 0.10
+ 0.10 0.11 0.11 0.09 0.12 0.13 0.08 0.17 0.14 0.15 0.11 0.08
+ 0.13 0.11 0.09 0.07 0.08 0.09 0.07 0.08 0.17 0.18 0.12 0.08
+ 0.13 0.11 0.06 0.07 0.12 0.16 0.12 0.11 0.10 0.10 0.09 0.10
+ 0.12 0.09 0.08 0.09 0.06 0.08 0.06 0.06 0.10 0.10 0.08 0.11
+ 0.13 0.12 0.06 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
+ 0.00 0.00 0.00 0.06 0.05 0.04 0.14 0.21 0.14 0.13 0.12 0.12

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 2.3604

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 03 September 2007 - 9 September 2007

X =====

BOP TRANSMISSION SYSTEM

X DELIVERY POINT RANGIURU

X CODE

RAMP RGUEXT.V1 = 0

+	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.09	0.06	0.05	0.08	0.11	0.11
+	0.09	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.06	0.05	0.06	0.02	0.02	0.02
+	0.03	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.03	0.08	0.09	0.09	0.08
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.04	0.06	0.09	0.10	0.10	0.10
+	0.09	0.06	0.03	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.11	0.16	0.11	0.09	0.09	0.09
+	0.06	0.04	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 0.4479

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 03 September 2007 - 9 September 2007

X =====

X DELIVERY POINT REPOROA

X CODE

RAMP RPREXT.V1 = 0.503

+	0.51	0.50	0.62	0.42	0.52	0.53	0.51	0.53	0.51	0.51	0.50	0.48	
+	0.50	0.49	0.49	0.37	0.49	0.50	0.48	0.47	0.50	0.51	0.51	0.50	
+	0.50	0.48	0.61	0.38	0.51	0.53	0.51	0.51	0.51	0.51	0.50	0.49	
+	0.49	0.50	0.48	0.50	0.52	0.51	0.51	0.49	0.51	0.50	0.50	0.50	
+	0.50	0.48	0.62	0.40	0.52	0.52	0.52	0.53	0.52	0.53	0.53	0.48	
+	0.52	0.51	0.52	0.53	0.53	0.51	0.51	0.53	0.52	0.50	0.51	0.51	
+	0.50	0.51	0.63	0.41	0.53	0.54	0.49	0.44	0.32	0.28	0.28	0.18	
+	0.11	0.08	0.20	0.17	0.27	0.38	0.39	0.45	0.50	0.54	0.56	0.56	
+	0.58	0.60	0.77	0.51	0.64	0.81	0.48	0.64	0.62	0.61	0.58	0.57	
+	0.59	0.60	0.62	0.62	0.58	0.61	0.60	0.59	0.61	0.61	0.61	0.57	
+	0.57	0.59	0.70	0.47	0.61	0.59	0.60	0.59	0.57	0.57	0.53	0.56	
+	0.58	0.59	0.59	0.60	0.58	0.57	0.60	0.58	0.57	0.58	0.61	0.61	
+	0.60	0.61	0.75	0.49	0.63	0.61	0.61	0.58	0.57	0.54	0.58	0.56	
+	0.53	0.58	0.56	0.57	0.59	0.62	0.54	0.57	0.59	0.59	0.59	0.58	

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 12.989

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 03 September 2007 - 9 September 2007

X =====

X DELIVERY POINT ROTORUA

X CODE

RAMP ROTEXT.V1 = 0.195

+	0.17	0.17	0.17	0.17	0.20	0.31	0.53	0.74	0.63	0.52	0.43	0.37	
+	0.36	0.35	0.31	0.30	0.29	0.39	0.48	0.49	0.47	0.38	0.30	0.23	
+	0.21	0.20	0.22	0.21	0.22	0.32	0.51	0.70	0.59	0.48	0.42	0.40	
+	0.35	0.34	0.35	0.35	0.38	0.44	0.50	0.45	0.40	0.32	0.23	0.18	
+	0.17	0.17	0.16	0.18	0.18	0.29	0.48	0.67	0.64	0.59	0.59	0.58	
+	0.60	0.60	0.58	0.61	0.64	0.72	0.76	0.72	0.65	0.54	0.39	0.30	
+	0.26	0.26	0.26	0.26	0.29	0.41	0.65	0.91	0.73	0.60	0.50	0.46	
+	0.42	0.41	0.38	0.38	0.40	0.52	0.63	0.64	0.60	0.51	0.35	0.26	
+	0.25	0.25	0.25	0.29	0.30	0.42	0.68	0.97	0.79	0.63	0.51	0.42	
+	0.39	0.36	0.32	0.32	0.38	0.47	0.59	0.59	0.57	0.49	0.39	0.29	
+	0.24	0.24	0.23	0.23	0.23	0.26	0.36	0.50	0.49	0.41	0.39	0.37	
+	0.37	0.42	0.42	0.40	0.43	0.52	0.56	0.53	0.50	0.45	0.36	0.31	
+	0.27	0.27	0.23	0.23	0.23	0.26	0.32	0.45	0.52	0.53	0.51	0.48	
+	0.40	0.38	0.39	0.41	0.50	0.59	0.59	0.56	0.50	0.41	0.30	0.24	

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 10.282

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 03 September 2007 - 9 September 2007

X =====

BOP TRANSMISSION SYSTEM

X DELIVERY POINT TAUPO

X CODE

RAMP	TAPEXT.V1 =	0.054											
+		0.05	0.05	0.05	0.05	0.05	0.07	0.16	0.22	0.22	0.18	0.16	0.14
+		0.11	0.10	0.10	0.09	0.11	0.15	0.19	0.19	0.17	0.13	0.08	0.05
+		0.04	0.04	0.03	0.04	0.05	0.07	0.15	0.21	0.20	0.16	0.13	0.14
+		0.13	0.11	0.13	0.13	0.14	0.19	0.21	0.20	0.18	0.14	0.08	0.05
+		0.04	0.04	0.04	0.04	0.05	0.07	0.16	0.23	0.22	0.19	0.17	0.19
+		0.19	0.18	0.17	0.17	0.22	0.26	0.29	0.28	0.26	0.21	0.13	0.08
+		0.07	0.07	0.07	0.07	0.08	0.12	0.20	0.28	0.26	0.20	0.16	0.16
+		0.17	0.15	0.13	0.11	0.13	0.17	0.25	0.27	0.27	0.22	0.15	0.09
+		0.07	0.07	0.07	0.07	0.09	0.13	0.21	0.31	0.30	0.23	0.18	0.16
+		0.13	0.11	0.11	0.11	0.12	0.16	0.22	0.24	0.22	0.20	0.14	0.09
+		0.07	0.07	0.07	0.06	0.07	0.09	0.14	0.21	0.23	0.21	0.15	0.14
+		0.13	0.13	0.13	0.12	0.13	0.19	0.23	0.22	0.21	0.18	0.13	0.09
+		0.08	0.06	0.05	0.05	0.06	0.06	0.09	0.15	0.19	0.19	0.17	0.15
+		0.14	0.14	0.14	0.13	0.17	0.21	0.22	0.21	0.19	0.14	0.09	0.06

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 3.4834

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 03 September 2007 - 9 September 2007

X =====

X DELIVERY POINT TAURANGA

X CODE

RAMP	TRGEXT.V1 =	0.167											
+		0.13	0.11	0.11	0.11	0.11	0.14	0.21	0.31	0.46	0.41	0.35	0.32
+		0.29	0.28	0.25	0.23	0.23	0.24	0.29	0.37	0.36	0.32	0.28	0.20
+		0.15	0.12	0.12	0.12	0.11	0.12	0.18	0.30	0.45	0.39	0.33	0.32
+		0.31	0.29	0.27	0.23	0.24	0.28	0.32	0.37	0.36	0.32	0.25	0.18
+		0.13	0.11	0.10	0.10	0.10	0.12	0.16	0.30	0.44	0.41	0.39	0.39
+		0.38	0.39	0.39	0.38	0.39	0.41	0.48	0.51	0.48	0.44	0.37	0.26
+		0.18	0.15	0.14	0.14	0.14	0.17	0.23	0.37	0.54	0.47	0.40	0.36
+		0.33	0.33	0.30	0.30	0.30	0.31	0.39	0.47	0.46	0.43	0.37	0.26
+		0.20	0.16	0.15	0.13	0.14	0.15	0.21	0.35	0.53	0.47	0.39	0.36
+		0.32	0.31	0.27	0.28	0.25	0.27	0.32	0.40	0.42	0.40	0.38	0.29
+		0.20	0.16	0.14	0.14	0.13	0.13	0.15	0.23	0.30	0.34	0.34	0.27
+		0.24	0.23	0.21	0.20	0.20	0.22	0.30	0.38	0.38	0.34	0.30	0.24
+		0.19	0.16	0.14	0.12	0.11	0.12	0.13	0.17	0.24	0.30	0.33	0.29
+		0.26	0.24	0.23	0.22	0.22	0.26	0.36	0.40	0.37	0.34	0.25	0.18

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 6.7381

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 03 September 2007 - 9 September 2007

X =====

X DELIVERY POINT TE PUKE

X CODE

RAMP	TPKEXT.V1 =	0.009											
+		0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.05	0.04	0.03	0.03	0.02
+		0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.04	0.03	0.03	0.01	0.01
+		0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.05	0.05	0.03	0.03	0.02
+		0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.03	0.02	0.02	0.01
+		0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.05	0.05	0.04	0.04	0.05
+		0.05	0.04	0.03	0.04	0.05	0.06	0.06	0.06	0.05	0.04	0.02	0.01
+		0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.06	0.05	0.03	0.03	0.03
+		0.03	0.03	0.02	0.02	0.03	0.05	0.06	0.06	0.05	0.04	0.02	0.01
+		0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.06	0.06	0.03	0.03	0.03
+		0.02	0.02	0.03	0.03	0.03	0.03	0.05	0.05	0.05	0.04	0.02	0.01
+		0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.03	0.03	0.02
+		0.02	0.02	0.02	0.02	0.03	0.04	0.05	0.05	0.04	0.03	0.02	0.02
+		0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.04	0.03	0.03
+		0.03	0.02	0.02	0.03	0.04	0.05	0.05	0.05	0.04	0.03	0.02	0.01

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 0.661

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 03 September 2007 - 9 September 2007

X =====

BOP TRANSMISSION SYSTEM

X DELIVERY POINT TE TEKO

X CODE

RAMP TTKEXT.V1 = 0.00

+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
+	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 0.0949

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 03 September 2007 - 9 September 2007

X =====

X DELIVERY POINT TIRAU DAIRY FACTORY

X CODE

RAMP TDFEXT.V1 = 0.084

+	0.09	0.06	0.05	0.05	0.07	0.16	0.40	0.47	0.46	0.55	0.52		
+	0.52	0.50	0.48	0.48	0.45	0.37	0.24	0.24	0.23	0.17	0.14	0.16	
+	0.15	0.17	0.17	0.17	0.18	0.18	0.30	0.49	0.58	0.53	0.52	0.50	
+	0.50	0.49	0.42	0.40	0.41	0.42	0.40	0.46	0.32	0.40	0.36	0.31	
+	0.30	0.22	0.19	0.20	0.22	0.22	0.25	0.42	0.48	0.50	0.49	0.48	
+	0.52	0.51	0.49	0.48	0.50	0.51	0.50	0.50	0.51	0.44	0.41	0.34	
+	0.26	0.21	0.16	0.16	0.16	0.18	0.29	0.42	0.53	0.52	0.52	0.51	
+	0.50	0.42	0.41	0.40	0.37	0.43	0.49	0.49	0.49	0.49	0.50	0.49	
+	0.52	0.53	0.47	0.51	0.39	0.36	0.41	0.54	0.55	0.58	0.56	0.56	
+	0.53	0.40	0.39	0.41	0.53	0.48	0.48	0.52	0.51	0.51	0.51	0.47	
+	0.40	0.37	0.44	0.45	0.46	0.45	0.50	0.48	0.50	0.49	0.37	0.38	
+	0.38	0.43	0.50	0.45	0.41	0.41	0.43	0.45	0.50	0.50	0.47	0.46	
+	0.48	0.49	0.48	0.46	0.47	0.46	0.48	0.51	0.52	0.41	0.42	0.40	
+	0.52	0.60	0.57	0.56	0.56	0.51	0.52	0.55	0.56	0.54	0.53	0.52	

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 10.137

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 03 September 2007 - 9 September 2007

X =====

X DELIVERY POINT TIRAU DISTRIBUTION

X CODE

RAMP TIREXT.V1 = 0

+	0	0	0.003	0	0	0	0.003	0.006	0.006	0	0	0.003	
+	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	
+	0.00	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.00	
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
+	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	
+	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.01	0.00	0.00	0.00	

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 0.08

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 03 September 2007 - 9 September 2007

X =====

BOP TRANSMISSION SYSTEM

X DELIVERY POINT TOKOROA

X CODE

RAMP TOEXT.V1 = 0.031

+	0.03	0.02	0.03	0.02	0.03	0.09	0.15	0.19	0.16	0.13	0.12	0.09
+	0.11	0.10	0.10	0.10	0.11	0.13	0.13	0.14	0.12	0.11	0.08	0.03
+	0.03	0.02	0.02	0.02	0.03	0.08	0.14	0.18	0.14	0.11	0.13	0.11
+	0.11	0.12	0.10	0.11	0.12	0.14	0.14	0.13	0.12	0.11	0.08	0.03
+	0.02	0.02	0.02	0.02	0.02	0.04	0.09	0.13	0.13	0.12	0.13	0.15
+	0.14	0.15	0.14	0.15	0.15	0.16	0.17	0.17	0.12	0.10	0.07	0.05
+	0.03	0.03	0.03	0.04	0.04	0.06	0.12	0.16	0.15	0.15	0.13	0.11
+	0.10	0.09	0.08	0.08	0.10	0.12	0.14	0.14	0.14	0.14	0.11	0.04
+	0.04	0.03	0.03	0.03	0.04	0.09	0.16	0.21	0.20	0.16	0.13	0.11
+	0.10	0.09	0.08	0.08	0.08	0.09	0.13	0.11	0.13	0.12	0.10	0.04
+	0.03	0.03	0.03	0.03	0.03	0.04	0.09	0.13	0.13	0.11	0.10	0.07
+	0.04	0.04	0.03	0.03	0.04	0.06	0.07	0.08	0.07	0.07	0.06	0.04
+	0.04	0.03	0.03	0.02	0.03	0.03	0.04	0.06	0.09	0.09	0.08	0.07
+	0.07	0.06	0.06	0.07	0.08	0.10	0.10	0.10	0.10	0.07	0.05	0.03

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 2.1594

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 03 September 2007 - 9 September 2007

X =====

X DELIVERY POINT WAIKERIA

X CODE

RAMP WRAEXT.V1 = 0.03

+	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.05	0.05	0.04	0.04
+	0.05	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03
+	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.05	0.05	0.04	0.04
+	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03
+	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.05	0.05	0.05	0.05
+	0.05	0.05	0.04	0.04	0.04	0.04	0.03	0.04	0.03	0.03	0.03	0.03
+	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.05
+	0.05	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03
+	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.05	0.05	0.05	0.04	0.05
+	0.05	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03
+	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.04
+	0.04	0.04	0.04	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03
+	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04
+	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 0.8721

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 03 September 2007 - 9 September 2007

X =====

X DELIVERY POINT WHAKATANE

X CODE

RAMP WHKEXT.V1 = 0.103

+	0.09	0.10	0.10	0.11	0.11	0.12	0.17	0.18	0.18	0.16	0.16	0.16
+	0.15	0.16	0.15	0.14	0.12	0.12	0.12	0.12	0.11	0.10	0.10	0.09
+	0.09	0.06	0.05	0.11	0.10	0.11	0.14	0.16	0.16	0.16	0.16	0.16
+	0.16	0.16	0.15	0.13	0.13	0.13	0.12	0.12	0.11	0.10	0.09	0.09
+	0.09	0.09	0.09	0.11	0.10	0.11	0.13	0.17	0.16	0.18	0.16	0.17
+	0.16	0.17	0.16	0.15	0.16	0.15	0.16	0.14	0.13	0.12	0.12	0.10
+	0.11	0.11	0.10	0.12	0.12	0.13	0.17	0.19	0.18	0.18	0.12	0.10
+	0.10	0.08	0.09	0.13	0.14	0.13	0.14	0.13	0.13	0.12	0.11	0.10
+	0.10	0.10	0.10	0.13	0.12	0.13	0.13	0.15	0.14	0.13	0.11	0.11
+	0.16	0.16	0.14	0.09	0.13	0.08	0.07	0.09	0.14	0.06	0.08	0.05
+	0.12	0.11	0.11	0.11	0.11	0.12	0.15	0.14	0.16	0.16	0.10	0.15
+	0.13	0.13	0.14	0.13	0.12	0.14	0.13	0.13	0.12	0.13	0.12	0.12
+	0.11	0.10	0.11	0.11	0.06	0.05	0.10	0.13	0.15	0.15	0.15	0.14
+	0.14	0.14	0.14	0.13	0.14	0.13	0.12	0.13	0.12	0.12	0.11	0.10

+ TIME= WEEK

+ MULT= 1

+ ADD = 0

X Weekly Load TJ = 3.0878

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 03 September 2007 - 9 September 2007

X =====

SOUTH TRANSMISSION SYSTEM

X DELIVERY POINT KAPUNI SUPPLY

X CODE

RAMP	KAPEXT.V1	=	8.03											
+			8.13	8.20	8.17	8.15	8.09	8.01	7.85	7.67	7.73	7.85	7.84	7.76
+			7.85	8.30	8.75	9.17	9.20	9.17	9.25	9.31	10.13	10.67	10.62	10.68
+			10.72	10.73	10.73	10.63	10.57	10.34	10.26	10.30	10.31	10.29	10.32	10.39
+			10.11	10.62	10.69	10.58	9.93	10.14	8.16	8.95	10.54	10.95	10.87	10.86
+			10.94	11.12	11.27	11.17	11.13	10.96	10.91	10.84	10.84	10.86	10.67	10.79
+			11.14	11.20	10.98	10.89	10.62	10.32	10.20	10.19	10.26	10.30	10.33	10.40
+			10.49	10.58	10.68	10.74	10.72	10.66	10.66	10.57	10.49	10.48	10.66	10.97
+			11.25	11.50	11.80	12.10	12.19	11.75	11.75	11.76	11.69	11.75	12.03	11.93
+			11.92	11.99	12.09	12.05	12.03	11.94	11.81	11.70	11.65	11.67	11.71	11.77
+			11.87	11.93	11.94	11.74	11.60	11.56	11.47	11.11	10.10	8.85	8.25	8.45
+			9.09	9.42	9.38	9.41	9.27	9.03	9.01	8.86	8.54	8.44	8.51	7.15
+			2.03	5.78	8.52	8.50	8.36	8.31	8.57	8.99	9.07	9.13	9.47	9.96
+			10.03	9.99	9.93	9.91	9.92	9.84	9.31	9.22	9.09	8.96	8.82	8.89
+			8.97	8.99	9.00	9.02	9.01	8.93	8.81	8.69	8.69	8.82	9.40	9.62

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 249.75

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

X DELIVERY POINT RIMU INJECTION

X CODE

RAMP	RIMUEXT.V1	=	2.11											
+			2.14	2.11	2.12	2.12	2.12	2.13	2.13	2.12	2.14	2.12	2.14	2.16
+			2.11	2.12	2.09	2.12	2.14	2.11	2.11	2.12	2.09	2.12	2.11	2.12
+			2.12	2.12	2.13	2.12	2.13	2.13	2.11	2.12	2.11	2.10	2.12	2.10
+			2.11	2.11	2.10	2.12	2.08	2.10	2.12	2.09	2.11	2.12	2.09	2.12
+			2.12	2.09	2.12	2.10	2.11	2.11	2.09	2.12	2.38	2.94	2.74	2.60
+			2.52	2.45	2.41	2.38	2.35	2.23	2.08	1.90	1.80	1.88	1.85	2.08
+			2.04	2.06	2.07	2.04	2.05	2.05	2.04	2.07	2.04	2.07	2.06	2.05
+			2.07	2.05	2.06	2.05	2.04	2.04	2.04	2.06	2.03	0.68	0.37	2.02
+			2.01	0.98	1.79	2.03	2.04	2.03	2.04	2.03	2.04	2.04	2.04	2.07
+			2.04	2.05	2.05	2.04	2.05	2.04	2.06	2.07	2.07	2.08	2.03	2.07
+			2.05	2.06	2.06	2.05	2.07	2.05	2.06	2.12	2.92	2.91	2.68	2.52
+			2.47	2.38	2.34	2.34	2.30	2.24	2.06	2.09	2.06	2.09	2.08	2.08
+			2.08	2.08	2.06	2.06	2.07	2.06	2.04	2.03	2.06	2.05	2.05	2.06
+			2.04	2.07	2.04	2.04	2.04	2.03	2.05	2.01	2.06	2.04	2.03	2.03

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 52.44

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

X DELIVERY POINT ASHURST

X CODE

RAMP	ASHEXT.V1	=	0.005											
+			0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.01
+			0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.00
+			0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.01	0.01
+			0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.00
+			0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.01	0.01
+			0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.00
+			0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.01	0.01
+			0.01	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.00
+			0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.01	0.02	0.01
+			0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.00
+			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
+			0.01	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.00
+			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
+			0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.00

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 0.26

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

SOUTH TRANSMISSION SYSTEM

X DELIVERY POINT BELMONT

X CODE

RAMP	BMTEXT.V1 =	1.15											
+		1.04	0.99	0.93	1.04	1.20	1.48	2.51	3.38	3.67	3.45	3.34	2.96
+		3.01	2.95	2.90	3.01	3.17	3.49	3.60	3.44	3.12	2.63	1.86	1.15
+		0.99	0.88	0.88	0.93	1.10	1.43	2.35	3.06	3.07	2.85	2.68	2.52
+		2.41	2.41	2.41	2.46	2.68	3.17	3.33	3.22	3.00	2.57	1.86	1.20
+		1.04	0.82	0.82	0.88	1.04	1.37	2.35	3.06	3.11	2.95	2.73	2.51
+		2.40	2.29	2.29	2.29	2.62	3.05	3.27	3.16	2.99	2.56	1.85	1.15
+		0.98	0.87	0.93	0.93	1.09	1.42	2.45	3.27	3.32	3.16	3.05	2.94
+		2.78	2.67	2.56	2.67	2.88	3.21	3.49	3.38	3.11	2.73	1.96	1.26
+		0.98	0.93	0.88	0.99	1.15	1.42	2.40	3.17	3.33	3.00	2.57	2.30
+		2.13	2.02	2.02	1.91	2.02	2.67	3.05	3.06	2.84	2.57	1.97	1.48
+		1.10	0.99	0.99	1.04	1.04	1.26	1.59	2.24	2.95	3.23	2.79	2.19
+		1.75	1.64	1.53	1.70	2.13	2.79	2.85	2.63	2.41	2.19	1.75	1.32
+		1.04	0.93	0.88	0.82	0.93	0.99	1.31	1.64	2.41	2.68	2.41	2.02
+		1.81	1.59	1.48	1.59	2.03	2.74	2.95	2.90	2.74	2.30	1.64	1.04

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 53.91

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

X DELIVERY POINT DANNEVIRKE

X CODE

RAMP	DANEXT.V1 =	0.04											
+		0.04	0.03	0.05	0.03	0.05	0.03	0.05	0.07	0.11	0.10	0.09	0.10
+		0.09	0.09	0.10	0.11	0.08	0.09	0.07	0.09	0.10	0.09	0.08	0.09
+		0.09	0.08	0.10	0.06	0.07	0.06	0.08	0.10	0.09	0.09	0.08	0.08
+		0.11	0.09	0.08	0.08	0.07	0.07	0.08	0.08	0.09	0.09	0.09	0.08
+		0.08	0.08	0.09	0.08	0.06	0.07	0.09	0.08	0.10	0.09	0.10	0.10
+		0.10	0.10	0.12	0.11	0.09	0.10	0.10	0.08	0.11	0.11	0.09	0.09
+		0.09	0.08	0.10	0.07	0.06	0.07	0.08	0.10	0.11	0.10	0.09	0.08
+		0.08	0.08	0.11	0.10	0.10	0.10	0.09	0.08	0.08	0.09	0.09	0.09
+		0.08	0.10	0.10	0.06	0.07	0.07	0.10	0.10	0.12	0.11	0.11	0.11
+		0.10	0.09	0.09	0.10	0.08	0.10	0.09	0.10	0.10	0.11	0.09	0.08
+		0.09	0.07	0.09	0.05	0.05	0.06	0.06	0.05	0.07	0.07	0.05	0.05
+		0.06	0.04	0.05	0.05	0.03	0.07	0.05	0.04	0.06	0.03	0.03	0.03
+		0.04	0.02	0.04	0.04	0.03	0.02	0.03	0.06	0.07	0.05	0.04	0.05
+		0.06	0.03	0.05	0.05	0.04	0.04	0.03	0.06	0.06	0.07	0.04	0.05

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 1.89

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

X DELIVERY POINT FEILDING

X CODE

RAMP	FLSEXT.V1 =	0.12											
+		0.13	0.13	0.13	0.14	0.19	0.21	0.27	0.36	0.36	0.37	0.35	0.33
+		0.33	0.32	0.32	0.28	0.28	0.32	0.30	0.29	0.27	0.24	0.18	0.15
+		0.13	0.12	0.12	0.12	0.16	0.20	0.25	0.35	0.34	0.32	0.33	0.35
+		0.35	0.34	0.34	0.32	0.28	0.31	0.31	0.31	0.29	0.25	0.19	0.17
+		0.15	0.13	0.13	0.14	0.17	0.21	0.28	0.36	0.35	0.37	0.35	0.36
+		0.35	0.33	0.32	0.28	0.34	0.33	0.32	0.30	0.29	0.25	0.20	0.17
+		0.15	0.14	0.14	0.15	0.18	0.23	0.29	0.37	0.36	0.36	0.33	0.32
+		0.31	0.33	0.33	0.27	0.29	0.31	0.33	0.32	0.30	0.26	0.20	0.16
+		0.14	0.12	0.12	0.13	0.19	0.22	0.27	0.33	0.34	0.31	0.30	0.30
+		0.26	0.24	0.23	0.22	0.21	0.28	0.28	0.28	0.26	0.24	0.19	0.17
+		0.14	0.13	0.13	0.12	0.15	0.17	0.19	0.22	0.26	0.26	0.22	0.19
+		0.16	0.16	0.15	0.17	0.20	0.27	0.27	0.27	0.26	0.24	0.19	0.16
+		0.13	0.12	0.12	0.12	0.13	0.16	0.15	0.20	0.24	0.24	0.21	0.20
+		0.19	0.18	0.17	0.19	0.24	0.30	0.30	0.29	0.27	0.23	0.18	0.15

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 6.00

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

SOUTH TRANSMISSION SYSTEM

X DELIVERY POINT FOXTON

X CODE

RAMP	FXNEXT.V1 =	0.02											
+		0.01	0.02	0.02	0.02	0.02	0.05	0.08	0.08	0.10	0.10	0.09	0.10
+		0.09	0.12	0.13	0.09	0.06	0.05	0.04	0.04	0.04	0.03	0.02	0.02
+		0.02	0.01	0.01	0.01	0.01	0.05	0.07	0.08	0.09	0.09	0.09	0.10
+		0.09	0.07	0.08	0.08	0.07	0.08	0.05	0.05	0.04	0.04	0.03	0.03
+		0.02	0.02	0.02	0.02	0.02	0.05	0.07	0.12	0.13	0.13	0.13	0.13
+		0.12	0.10	0.08	0.08	0.08	0.07	0.07	0.04	0.03	0.03	0.02	0.02
+		0.01	0.02	0.02	0.01	0.02	0.06	0.11	0.12	0.14	0.14	0.14	0.13
+		0.13	0.11	0.11	0.09	0.07	0.07	0.07	0.06	0.03	0.03	0.02	0.02
+		0.02	0.02	0.02	0.02	0.02	0.04	0.05	0.08	0.11	0.12	0.10	0.10
+		0.09	0.07	0.08	0.07	0.08	0.07	0.07	0.07	0.04	0.03	0.02	0.02
+		0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.08	0.08	0.08	0.07
+		0.03	0.03	0.02	0.01	0.01	0.03	0.03	0.03	0.03	0.03	0.02	0.02
+		0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.06	0.05
+		0.05	0.05	0.04	0.04	0.03	0.03	0.04	0.04	0.03	0.02	0.02	0.02

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 1.32

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

X DELIVERY POINT HASTINGS

X CODE

RAMP	HSTEXT.V1 =	1.10											
+		1.25	1.14	1.27	1.24	1.40	1.59	2.05	2.25	2.35	2.27	2.20	2.21
+		2.15	2.17	1.91	1.84	1.76	1.84	1.96	1.90	1.78	1.77	1.65	1.59
+		1.77	1.60	1.56	1.64	1.85	1.99	2.27	2.39	2.48	2.48	2.39	2.43
+		2.57	2.43	2.29	2.21	2.01	2.14	2.21	2.15	1.98	1.83	1.62	1.55
+		1.58	1.54	1.59	1.69	1.83	1.99	2.33	2.33	2.30	2.37	2.47	2.36
+		2.24	2.32	2.31	2.14	2.02	2.04	2.28	2.11	2.01	1.90	1.83	1.72
+		1.79	1.63	1.64	1.68	1.78	1.93	2.41	2.86	3.04	3.07	2.57	2.39
+		2.30	2.39	2.29	2.22	2.17	2.05	2.12	1.93	1.93	1.86	1.97	2.18
+		1.94	1.67	1.72	1.77	1.78	1.95	2.33	2.67	2.66	2.51	2.50	2.39
+		2.48	2.72	2.66	2.57	2.53	2.38	1.96	1.91	1.93	1.88	1.74	1.59
+		1.77	1.65	1.55	1.49	1.49	1.36	1.40	1.54	1.41	1.44	1.38	1.43
+		1.07	0.97	1.01	0.95	0.97	1.35	1.13	1.08	1.05	1.15	0.90	0.86
+		0.93	0.86	0.96	0.79	0.72	0.75	0.94	1.11	0.98	1.04	1.00	1.03
+		1.01	1.00	0.95	0.99	1.11	1.12	1.13	1.27	1.12	1.26	1.10	1.05

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 44.81

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

X DELIVERY POINT HAWERA

X CODE

RAMP	HAWEXT.V1 =	0.09											
+		0.06	0.06	0.06	0.05	0.14	0.20	0.27	0.42	0.44	0.42	0.38	0.34
+		0.31	0.26	0.25	0.24	0.24	0.29	0.32	0.30	0.27	0.21	0.14	0.09
+		0.06	0.05	0.05	0.05	0.06	0.24	0.27	0.41	0.45	0.45	0.43	0.40
+		0.36	0.30	0.23	0.24	0.27	0.31	0.34	0.31	0.29	0.23	0.16	0.09
+		0.08	0.07	0.06	0.07	0.06	0.22	0.30	0.42	0.46	0.47	0.46	0.43
+		0.45	0.47	0.43	0.43	0.41	0.36	0.34	0.33	0.28	0.23	0.15	0.09
+		0.07	0.06	0.06	0.06	0.07	0.21	0.29	0.41	0.45	0.40	0.39	0.41
+		0.38	0.36	0.36	0.36	0.36	0.35	0.33	0.31	0.28	0.23	0.17	0.10
+		0.08	0.07	0.07	0.07	0.07	0.22	0.29	0.43	0.48	0.46	0.42	0.37
+		0.31	0.24	0.19	0.14	0.19	0.26	0.29	0.28	0.25	0.22	0.16	0.12
+		0.09	0.08	0.07	0.07	0.08	0.08	0.11	0.16	0.26	0.31	0.24	0.14
+		0.11	0.10	0.09	0.09	0.15	0.22	0.27	0.27	0.23	0.21	0.17	0.13
+		0.10	0.08	0.08	0.07	0.07	0.09	0.11	0.16	0.23	0.25	0.20	0.16
+		0.14	0.12	0.11	0.13	0.27	0.36	0.39	0.40	0.26	0.20	0.14	0.09

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 5.78

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

SOUTH TRANSMISSION SYSTEM

X DELIVERY POINT KAIRANGA

X CODE

RAMP	KAIEXT.V1	=	0.00										
+			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+			0.00	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00
+			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+			0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01
+			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02
+			0.02	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00
+			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02
+			0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02
+			0.01	0.02	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.00	0.00
+			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 0.09

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

X DELIVERY POINT KAITOKE

X CODE

RAMP	KKEEXT.V1	=	0.02										
+			0.02	0.02	0.02	0.02	0.02	0.02	0.04	0.04	0.04	0.04	0.03
+			0.03	0.03	0.03	0.04	0.03	0.02	0.02	0.02	0.02	0.02	0.02
+			0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.03
+			0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.02
+			0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.03
+			0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.02	0.02
+			0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.03
+			0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.04	0.02	0.02
+			0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03
+			0.02	0.03	0.03	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.02
+			0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03
+			0.02	0.03	0.03	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.02
+			0.03	0.03	0.02	0.03	0.02	0.03	0.03	0.03	0.02	0.02	0.02

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 0.66

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

X DELIVERY POINT KAKARIKI

X CODE

RAMP	KAKEXT.V1	=	0.00										
+			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 0.00

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

SOUTH TRANSMISSION SYSTEM

X DELIVERY POINT LAKE ALICE

X CODE

RAMP	LAKEEXT.V1	=	0.00											
+	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.04	0.05	0.06	0.05	0.05	0.05	
+	0.05	0.05	0.05	0.05	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	
+	0.04	0.02	0.02	0.02	0.02	0.03	0.04	0.06	0.05	0.05	0.05	0.05	0.05	
+	0.05	0.06	0.06	0.06	0.05	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.04	
+	0.03	0.03	0.02	0.02	0.02	0.03	0.04	0.05	0.05	0.05	0.05	0.05	0.05	
+	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.05	0.05	0.05	0.04	0.04	
+	0.03	0.02	0.02	0.02	0.02	0.03	0.04	0.05	0.05	0.05	0.05	0.05	0.05	
+	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.05	0.05	0.05	0.05	0.04	0.03	
+	0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.05	0.05	0.05	0.05	0.05	0.05	
+	0.05	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.01	
+	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	
+	0.01	0.00	0.00	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.01	0.01	0.01	0.01	
+	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.00	0.00	0.00	

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 0.79

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

X DELIVERY POINT LEVIN

X CODE

RAMP	LEVEXT.V1	=	0.15											
+	0.14	0.14	0.13	0.16	0.20	0.27	0.43	0.56	0.60	0.60	0.61	0.61	0.61	
+	0.62	0.60	0.60	0.58	0.52	0.52	0.50	0.46	0.39	0.35	0.27	0.27	0.19	
+	0.16	0.14	0.13	0.14	0.18	0.30	0.47	0.59	0.70	0.67	0.58	0.55	0.55	
+	0.53	0.54	0.51	0.52	0.53	0.49	0.48	0.50	0.46	0.34	0.28	0.21	0.21	
+	0.17	0.16	0.16	0.16	0.15	0.32	0.44	0.54	0.64	0.62	0.59	0.55	0.55	
+	0.59	0.61	0.55	0.56	0.45	0.46	0.46	0.43	0.40	0.33	0.27	0.23	0.23	
+	0.20	0.18	0.17	0.18	0.19	0.37	0.47	0.60	0.66	0.57	0.53	0.48	0.48	
+	0.49	0.47	0.42	0.44	0.49	0.54	0.43	0.42	0.43	0.38	0.30	0.25	0.25	
+	0.22	0.21	0.21	0.22	0.23	0.36	0.48	0.63	0.70	0.64	0.55	0.51	0.51	
+	0.47	0.47	0.38	0.32	0.39	0.42	0.45	0.44	0.41	0.33	0.27	0.20	0.20	
+	0.16	0.15	0.16	0.15	0.15	0.16	0.19	0.26	0.34	0.33	0.25	0.18	0.18	
+	0.17	0.14	0.13	0.15	0.24	0.34	0.36	0.33	0.31	0.28	0.24	0.20	0.20	
+	0.16	0.14	0.14	0.15	0.14	0.16	0.18	0.24	0.34	0.31	0.24	0.22	0.22	
+	0.18	0.16	0.15	0.17	0.25	0.35	0.38	0.36	0.33	0.27	0.22	0.17	0.17	

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 8.87

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

X DELIVERY POINT LONGBURN

X CODE

RAMP	LGSEXT.V1	=	0.23											
+	0.20	0.25	0.22	0.22	0.22	0.23	0.26	0.28	0.28	0.31	0.27	0.28	0.28	
+	0.30	0.28	0.31	0.28	0.30	0.24	0.25	0.24	0.25	0.23	0.24	0.23	0.23	
+	0.23	0.22	0.21	0.20	0.20	0.22	0.25	0.27	0.26	0.27	0.26	0.26	0.26	
+	0.26	0.26	0.24	0.26	0.26	0.24	0.26	0.25	0.25	0.25	0.23	0.23	0.23	
+	0.21	0.21	0.20	0.19	0.21	0.22	0.26	0.26	0.27	0.29	0.27	0.25	0.25	
+	0.27	0.29	0.26	0.27	0.27	0.27	0.26	0.25	0.26	0.24	0.25	0.24	0.24	
+	0.24	0.21	0.21	0.21	0.22	0.22	0.25	0.27	0.29	0.28	0.27	0.27	0.27	
+	0.26	0.27	0.28	0.25	0.25	0.26	0.24	0.25	0.25	0.23	0.23	0.22	0.22	
+	0.22	0.22	0.22	0.21	0.21	0.25	0.25	0.28	0.27	0.26	0.26	0.28	0.28	
+	0.26	0.26	0.26	0.26	0.25	0.24	0.25	0.25	0.23	0.23	0.19	0.18	0.18	
+	0.18	0.20	0.17	0.18	0.17	0.18	0.20	0.21	0.21	0.21	0.19	0.20	0.20	
+	0.17	0.20	0.16	0.18	0.20	0.20	0.19	0.20	0.20	0.18	0.18	0.17	0.17	
+	0.15	0.17	0.16	0.15	0.15	0.15	0.15	0.17	0.17	0.19	0.18	0.17	0.17	
+	0.17	0.18	0.18	0.17	0.18	0.19	0.20	0.18	0.18	0.18	0.18	0.19	0.19	

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 5.70

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

SOUTH TRANSMISSION SYSTEM

X DELIVERY POINT MANAIA
 X CODE
 RAMP MIAEXT.V1 = 0.01

+	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.04
+	0.02	0.02	0.03	0.04	0.04	0.04	0.05	0.04	0.03	0.02	0.01	0.01	
+	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.02	0.03	0.04	
+	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.03	0.02	0.02	0.01	
+	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.04	
+	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.03	0.02	0.01	0.01	
+	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.04	
+	0.03	0.02	0.02	0.03	0.04	0.04	0.05	0.04	0.03	0.02	0.02	0.01	
+	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.04	
+	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.02	0.02	0.02	0.01	
+	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.02	0.01	
+	0.02	0.04	0.03	0.03	0.03	0.04	0.04	0.04	0.02	0.02	0.02	0.01	
+	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.03	0.04	
+	0.02	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.02	0.01	0.01	

+ TIME= WEEK
 + MULT= 1.00
 + ADD = 0.00
 X Weekly Load TJ = 0.56
 X Each figure represents average hourly flow rate in std. m3/s
 X Profile date = 9 JULY 2007 - 15 JULY 2007
 X =====

X DELIVERY POINT MANGAROA
 X CODE
 RAMP MNGEXT.V1 = 0.02

+	0.02	0.02	0.02	0.03	0.02	0.03	0.04	0.04	0.04	0.03	0.03	0.03	
+	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	
+	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	
+	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	
+	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	
+	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	
+	0.02	0.02	0.02	0.03	0.02	0.03	0.03	0.04	0.03	0.04	0.03	0.03	
+	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	
+	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	
+	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	
+	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	
+	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	
+	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	
+	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	

+ TIME= WEEK
 + MULT= 1.00
 + ADD = 0.00
 X Weekly Load TJ = 0.69
 X Each figure represents average hourly flow rate in std. m3/s
 X Profile date = 9 JULY 2007 - 15 JULY 2007
 X =====

X DELIVERY POINT MANGATAINOKA
 X CODE
 RAMP MANEXT.V1 = 0.00

+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
+	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

+ TIME= WEEK
 + MULT= 1.00
 + ADD = 0.00
 X Weekly Load TJ = 0.00
 X Each figure represents average hourly flow rate in std. m3/s
 X Profile date = 9 JULY 2007 - 15 JULY 2007
 X =====

SOUTH TRANSMISSION SYSTEM

X DELIVERY POINT MARTON

X CODE

RAMP	MONEXT.V1 =	0.26											
+	0.29	0.29	0.29	0.28	0.28	0.29	0.30	0.31	0.30	0.25	0.24	0.23	
+	0.22	0.22	0.14	0.09	0.09	0.10	0.10	0.10	0.10	0.09	0.07	0.07	
+	0.06	0.07	0.07	0.06	0.07	0.07	0.22	0.24	0.25	0.24	0.24	0.24	
+	0.25	0.25	0.25	0.26	0.27	0.28	0.29	0.31	0.29	0.30	0.28	0.28	
+	0.27	0.27	0.27	0.26	0.26	0.24	0.21	0.23	0.23	0.23	0.23	0.15	
+	0.12	0.20	0.20	0.20	0.20	0.22	0.22	0.24	0.25	0.25	0.24	0.24	
+	0.24	0.26	0.26	0.25	0.26	0.27	0.30	0.31	0.33	0.35	0.32	0.30	
+	0.29	0.24	0.23	0.22	0.22	0.22	0.22	0.11	0.09	0.08	0.07	0.06	
+	0.05	0.05	0.05	0.04	0.05	0.09	0.21	0.23	0.24	0.23	0.23	0.24	
+	0.25	0.24	0.24	0.24	0.26	0.29	0.31	0.28	0.28	0.27	0.26	0.25	
+	0.24	0.24	0.24	0.23	0.20	0.16	0.15	0.17	0.17	0.16	0.03	0.02	
+	0.01	0.04	0.14	0.14	0.16	0.19	0.20	0.21	0.22	0.22	0.21	0.22	
+	0.23	0.23	0.23	0.20	0.19	0.19	0.19	0.20	0.22	0.21	0.20	0.19	
+	0.19	0.18	0.19	0.17	0.20	0.21	0.21	0.20	0.18	0.16	0.15	0.14	

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 5.12

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

X DELIVERY POINT OROUA DOWNS

X CODE

RAMP	ORUEXT.V1 =	0.01											
+	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 0.29

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

X DELIVERY POINT OTAKI

X CODE

RAMP	OTKEXT.V1 =	0.02											
+	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.04	0.04	0.04	
+	0.04	0.04	0.04	0.05	0.05	0.04	0.05	0.04	0.04	0.03	0.02	0.02	
+	0.01	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.04	0.03	
+	0.03	0.03	0.05	0.04	0.04	0.04	0.05	0.05	0.04	0.03	0.02	0.02	
+	0.02	0.01	0.01	0.01	0.01	0.03	0.03	0.04	0.05	0.06	0.05	0.05	
+	0.04	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.03	0.02	0.02	
+	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.05	0.05	0.04	0.03	
+	0.02	0.02	0.02	0.02	0.03	0.04	0.04	0.04	0.03	0.03	0.03	0.02	
+	0.02	0.01	0.02	0.01	0.02	0.02	0.02	0.03	0.05	0.04	0.03	0.03	
+	0.02	0.02	0.02	0.02	0.02	0.04	0.05	0.04	0.04	0.04	0.03	0.02	
+	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.04	0.04	0.03	0.03	
+	0.02	0.02	0.01	0.01	0.02	0.03	0.04	0.04	0.04	0.03	0.03	0.02	
+	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.02	0.03	0.04	0.03	0.03	
+	0.02	0.02	0.01	0.01	0.02	0.03	0.04	0.04	0.04	0.03	0.03	0.02	

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 0.69

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

SOUTH TRANSMISSION SYSTEM

X DELIVERY POINT PAHIATUA

X CODE

RAMP	PAHEXT.V1 =	0.00											
+		0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.02	0.02
+		0.02	0.02	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00
+		0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.01	0.01
+		0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
+		0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.02
+		0.02	0.04	0.04	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
+		0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.05	0.02	0.02	0.01
+		0.02	0.03	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
+		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.02	0.03	0.03
+		0.02	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
+		0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.03	0.02
+		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01
+		0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.01	0.01	0.01
+		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 0.26

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

X DELIVERY POINT PALMERSTON NORTH

X CODE

RAMP	PNTEXT.V1 =	0.70											
+		0.57	0.55	0.61	0.66	0.81	1.36	1.95	2.07	2.08	1.98	1.94	
+		1.94	1.95	1.86	1.76	1.88	2.08	1.95	1.77	1.48	1.07	0.71	
+		0.57	0.52	0.57	0.56	0.66	0.83	1.36	1.95	2.06	1.95	1.75	1.70
+		1.67	1.71	1.57	1.59	1.72	1.96	2.01	1.92	1.72	1.46	1.06	0.71
+		0.55	0.51	0.56	0.54	0.66	0.84	1.37	1.91	2.06	2.03	1.90	1.86
+		1.82	1.80	1.72	1.73	1.81	2.00	2.04	1.88	1.74	1.46	1.08	0.74
+		0.60	0.54	0.59	0.60	0.70	0.87	1.47	2.08	2.27	2.13	1.93	1.82
+		1.75	1.64	1.52	1.61	1.76	2.00	2.07	1.99	1.79	1.54	1.12	0.76
+		0.61	0.59	0.58	0.58	0.66	0.84	1.43	1.97	2.14	1.98	1.81	1.71
+		1.58	1.58	1.51	1.46	1.56	1.81	1.89	1.80	1.66	1.46	1.12	0.81
+		0.66	0.59	0.60	0.59	0.59	0.66	0.90	1.14	1.55	1.67	1.46	1.18
+		0.97	0.87	0.74	0.77	1.05	1.58	1.74	1.66	1.51	1.35	1.10	0.84
+		0.64	0.56	0.53	0.52	0.54	0.64	0.76	0.96	1.30	1.46	1.29	1.09
+		0.96	0.88	0.85	0.86	1.14	1.66	1.84	1.78	1.64	1.33	0.97	0.66

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 33.07

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

X DELIVERY POINT PARAPARAUMU

X CODE

RAMP	PPREXT.V1 =	0.08											
+		0.06	0.06	0.06	0.07	0.09	0.13	0.21	0.28	0.32	0.31	0.27	0.24
+		0.24	0.25	0.25	0.26	0.31	0.37	0.39	0.37	0.32	0.25	0.15	0.08
+		0.06	0.05	0.05	0.06	0.08	0.13	0.20	0.26	0.28	0.26	0.23	0.20
+		0.19	0.18	0.18	0.19	0.26	0.33	0.36	0.35	0.31	0.24	0.15	0.07
+		0.05	0.05	0.05	0.06	0.07	0.13	0.19	0.26	0.30	0.29	0.25	0.21
+		0.19	0.17	0.17	0.18	0.26	0.33	0.36	0.35	0.31	0.25	0.15	0.09
+		0.06	0.05	0.06	0.06	0.08	0.13	0.20	0.27	0.31	0.28	0.21	0.19
+		0.17	0.18	0.17	0.18	0.22	0.32	0.36	0.36	0.32	0.26	0.17	0.08
+		0.06	0.05	0.06	0.06	0.08	0.13	0.20	0.28	0.31	0.28	0.21	0.17
+		0.16	0.14	0.12	0.10	0.14	0.25	0.31	0.32	0.30	0.25	0.17	0.10
+		0.07	0.06	0.06	0.07	0.07	0.12	0.15	0.24	0.34	0.34	0.25	0.18
+		0.14	0.13	0.11	0.11	0.18	0.29	0.32	0.31	0.28	0.24	0.17	0.10
+		0.07	0.06	0.05	0.05	0.07	0.08	0.13	0.19	0.27	0.27	0.21	0.16
+		0.14	0.12	0.09	0.09	0.16	0.27	0.32	0.32	0.29	0.23	0.14	0.10

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 4.71

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

SOUTH TRANSMISSION SYSTEM

X DELIVERY POINT PATEA
X CODE
RAMP PTAEXT.V1 = 0.02
+ 0.02 0.01 0.02 0.02 0.02 0.03 0.02 0.03 0.03 0.02 0.01 0.01
+ 0.02 0.03 0.04 0.03 0.03 0.03 0.03 0.04 0.03 0.02 0.03 0.02
+ 0.02 0.02 0.02 0.02 0.01 0.03 0.03 0.05 0.03 0.02 0.02 0.03
+ 0.03 0.04 0.03 0.03 0.03 0.04 0.04 0.04 0.04 0.03 0.03 0.02
+ 0.02 0.02 0.02 0.02 0.02 0.03 0.04 0.04 0.03 0.03 0.04 0.03
+ 0.02 0.03 0.04 0.03 0.02 0.04 0.03 0.03 0.04 0.02 0.03 0.02
+ 0.03 0.02 0.02 0.04 0.03 0.03 0.05 0.06 0.03 0.01 0.02 0.02
+ 0.01 0.01 0.01 0.02 0.03 0.04 0.03 0.04 0.03 0.05 0.02 0.03
+ 0.02 0.03 0.04 0.02 0.03 0.05 0.05 0.04 0.03 0.01 0.01 0.01
+ 0.01 0.01 0.01 0.02 0.02 0.05 0.03 0.04 0.04 0.04 0.04 0.05
+ 0.04 0.03 0.03 0.04 0.04 0.04 0.05 0.05 0.04 0.01 0.01 0.01
+ 0.01 0.01 0.01 0.01 0.02 0.05 0.03 0.03 0.04 0.05 0.03 0.04
+ 0.02 0.04 0.02 0.04 0.03 0.04 0.05 0.05 0.04 0.01 0.01 0.01
+ 0.01 0.01 0.01 0.01 0.02 0.04 0.04 0.04 0.03 0.03 0.03 0.02

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 0.70

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

X DELIVERY POINT PAUATAHANUI
X CODE
RAMP PTNEXT.V1 = 0.02
+ 0.01 0.00 0.00 0.01 0.01 0.03 0.09 0.11 0.12 0.10 0.08 0.08
+ 0.07 0.08 0.08 0.09 0.11 0.13 0.14 0.14 0.13 0.10 0.05 0.02
+ 0.00 0.00 0.00 0.00 0.00 0.02 0.09 0.11 0.10 0.08 0.07 0.06
+ 0.06 0.06 0.06 0.06 0.09 0.13 0.14 0.14 0.12 0.10 0.05 0.02
+ 0.00 0.00 0.00 0.00 0.00 0.02 0.08 0.11 0.10 0.08 0.07 0.06
+ 0.05 0.04 0.03 0.04 0.07 0.12 0.13 0.13 0.12 0.10 0.06 0.02
+ 0.01 0.00 0.00 0.00 0.00 0.03 0.09 0.11 0.11 0.09 0.08 0.07
+ 0.06 0.05 0.05 0.07 0.09 0.12 0.14 0.13 0.13 0.10 0.05 0.02
+ 0.00 0.00 0.00 0.00 0.00 0.02 0.08 0.11 0.11 0.09 0.07 0.05
+ 0.05 0.04 0.03 0.03 0.05 0.10 0.12 0.12 0.12 0.10 0.07 0.03
+ 0.02 0.01 0.01 0.01 0.01 0.02 0.04 0.08 0.12 0.12 0.10 0.06
+ 0.04 0.03 0.03 0.04 0.07 0.11 0.12 0.11 0.10 0.09 0.06 0.04
+ 0.02 0.00 0.00 0.00 0.00 0.02 0.04 0.07 0.10 0.11 0.08 0.06
+ 0.05 0.03 0.03 0.03 0.06 0.11 0.13 0.12 0.11 0.08 0.04 0.01

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 1.55

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

X DELIVERY POINT TAKAPAU
X CODE
RAMP TAKEXT.V1 = 0.00
+ 0.00 0.00 0.03 0.03 0.04 0.13 0.15 0.19 0.17 0.18 0.18 0.19
+ 0.20 0.15 0.09 0.05 0.06 0.07 0.06 0.03 0.03 0.05 0.04 0.02
+ 0.01 0.02 0.03 0.04 0.05 0.16 0.15 0.16 0.17 0.17 0.16 0.15
+ 0.09 0.11 0.11 0.10 0.09 0.08 0.08 0.03 0.03 0.04 0.04 0.03
+ 0.03 0.07 0.06 0.07 0.08 0.15 0.15 0.15 0.15 0.15 0.15 0.15
+ 0.12 0.11 0.10 0.09 0.07 0.08 0.07 0.06 0.05 0.03 0.04 0.02
+ 0.03 0.05 0.06 0.06 0.07 0.14 0.12 0.12 0.14 0.14 0.16 0.17
+ 0.13 0.10 0.10 0.12 0.11 0.11 0.07 0.06 0.06 0.06 0.05 0.04
+ 0.06 0.06 0.06 0.06 0.08 0.16 0.15 0.16 0.16 0.15 0.14 0.15
+ 0.14 0.15 0.19 0.16 0.09 0.06 0.06 0.05 0.04 0.04 0.03 0.04
+ 0.06 0.06 0.06 0.05 0.05 0.03 0.01 0.00 0.00 0.00 0.01 0.07
+ 0.03 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
+ 0.00 0.01 0.05 0.03 0.03 0.02 0.01 0.00 0.00 0.00 0.00 0.00
+ 0.00 0.00 0.00 0.00 0.00 0.04 0.02 0.01 0.00 0.03 0.02 0.02

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 1.76

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

SOUTH TRANSMISSION SYSTEM

X DELIVERY POINT TAWA

X CODE

RAMP	TAWEXT.V1 =	1.86											
+		1.53	1.42	1.42	1.53	1.92	2.59	3.91	5.72	6.11	5.67	5.13	4.83
+		4.76	4.82	4.94	4.87	5.08	5.31	5.24	4.94	4.49	3.67	2.74	1.75
+		1.43	1.32	1.32	1.37	1.59	2.19	3.55	5.44	5.65	5.11	4.64	4.52
+		4.34	4.45	4.50	4.46	4.80	5.08	5.13	4.94	4.49	3.89	2.90	1.97
+		1.48	1.37	1.37	1.43	1.65	2.26	3.78	5.67	5.87	5.45	5.03	4.74
+		4.67	4.55	4.49	4.33	4.62	5.01	5.06	4.88	4.55	4.00	2.96	2.19
+		1.70	1.59	1.53	1.59	1.92	2.42	3.94	5.90	6.17	5.81	5.49	5.25
+		5.13	5.23	5.16	5.21	5.15	5.37	5.43	5.26	4.82	4.22	3.18	2.19
+		1.75	1.59	1.54	1.59	1.86	2.30	3.68	5.66	6.05	5.33	4.60	4.16
+		3.78	3.62	3.67	3.40	3.73	4.38	4.55	4.27	4.00	3.56	2.79	2.03
+		1.53	1.37	1.37	1.32	1.42	1.59	2.14	3.13	4.31	4.47	4.00	3.45
+		2.85	2.74	2.63	2.74	3.36	4.04	4.16	3.81	3.40	2.96	2.52	1.92
+		1.53	1.32	1.21	1.21	1.32	1.43	1.87	2.61	3.40	4.03	3.85	3.44
+		3.04	2.76	2.65	2.54	3.17	3.92	4.21	4.15	3.86	3.34	2.49	1.77

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 87.68

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

X DELIVERY POINT WAIKANAE

X CODE

RAMP	WKNEXT.V1 =	0.03											
+		0.03	0.03	0.03	0.03	0.03	0.04	0.07	0.11	0.14	0.14	0.12	0.10
+		0.10	0.10	0.10	0.11	0.13	0.16	0.16	0.16	0.14	0.11	0.07	0.04
+		0.03	0.02	0.02	0.02	0.02	0.03	0.06	0.10	0.13	0.12	0.09	0.08
+		0.08	0.07	0.06	0.07	0.10	0.14	0.15	0.15	0.13	0.11	0.07	0.03
+		0.02	0.02	0.02	0.02	0.02	0.03	0.07	0.11	0.14	0.13	0.11	0.09
+		0.08	0.09	0.07	0.08	0.11	0.15	0.16	0.16	0.14	0.11	0.07	0.04
+		0.03	0.03	0.03	0.03	0.03	0.04	0.07	0.11	0.14	0.13	0.09	0.07
+		0.06	0.06	0.06	0.07	0.10	0.14	0.16	0.15	0.14	0.12	0.07	0.03
+		0.03	0.02	0.02	0.02	0.03	0.03	0.07	0.11	0.15	0.13	0.08	0.06
+		0.05	0.05	0.05	0.05	0.06	0.11	0.14	0.14	0.13	0.11	0.08	0.04
+		0.03	0.03	0.03	0.03	0.03	0.04	0.05	0.10	0.16	0.15	0.11	0.07
+		0.05	0.05	0.03	0.04	0.07	0.12	0.13	0.13	0.11	0.09	0.07	0.04
+		0.04	0.04	0.04	0.03	0.03	0.03	0.04	0.08	0.12	0.11	0.08	0.06
+		0.05	0.04	0.03	0.03	0.05	0.10	0.11	0.11	0.10	0.08	0.05	0.03

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 1.94

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

SOUTH TRANSMISSION SYSTEM

X DELIVERY POINT WAITANGIRUA

X CODE

RAMP	WTREXT.V1 =	0.21											
+		0.17	0.16	0.17	0.16	0.18	0.24	0.52	0.70	0.70	0.66	0.60	0.55
+		0.55	0.58	0.57	0.56	0.59	0.68	0.69	0.64	0.56	0.47	0.32	0.21
+		0.17	0.14	0.15	0.15	0.17	0.23	0.51	0.68	0.67	0.62	0.54	0.53
+		0.49	0.50	0.48	0.48	0.52	0.62	0.67	0.63	0.55	0.47	0.32	0.20
+		0.17	0.14	0.15	0.15	0.17	0.22	0.50	0.69	0.67	0.62	0.56	0.50
+		0.48	0.43	0.40	0.37	0.44	0.57	0.63	0.60	0.55	0.46	0.32	0.21
+		0.17	0.16	0.16	0.16	0.18	0.24	0.54	0.74	0.73	0.71	0.64	0.60
+		0.55	0.54	0.52	0.50	0.55	0.64	0.68	0.64	0.58	0.50	0.35	0.23
+		0.18	0.16	0.16	0.16	0.18	0.22	0.52	0.70	0.70	0.64	0.54	0.47
+		0.44	0.41	0.38	0.33	0.35	0.51	0.59	0.58	0.54	0.48	0.35	0.25
+		0.21	0.18	0.17	0.17	0.18	0.22	0.30	0.43	0.60	0.63	0.51	0.40
+		0.33	0.29	0.28	0.29	0.38	0.52	0.56	0.52	0.48	0.41	0.33	0.24
+		0.18	0.15	0.14	0.13	0.15	0.17	0.22	0.31	0.46	0.48	0.41	0.33
+		0.31	0.27	0.24	0.23	0.33	0.49	0.57	0.56	0.51	0.42	0.29	0.18

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 10.23

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

X DELIVERY POINT WAITOTARA

X CODE

RAMP	WTTEXT.V1 =	0.01											
+		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.05	0.06	0.06	0.06
+		0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.00
+		0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.04	0.06	0.06	0.05	0.05
+		0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
+		0.01	0.01	0.01	0.01	0.02	0.01	0.02	0.04	0.06	0.05	0.06	0.06
+		0.05	0.06	0.06	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+		0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.04	0.06	0.06	0.06	0.06
+		0.06	0.06	0.06	0.06	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+		0.01	0.01	0.01	0.01	0.02	0.02	0.05	0.06	0.06	0.06	0.06	0.06
+		0.06	0.06	0.06	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+		0.02	0.01	0.01	0.02	0.03	0.02	0.02	0.02	0.02	0.01	0.01	0.01
+		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
+		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 0.53

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====

X DELIVERY POINT WANGANUI

X CODE

RAMP	WANEXT.V1 =	0.43											
+		0.34	0.31	0.31	0.32	0.43	0.51	0.77	1.04	1.16	1.18	1.06	1.00
+		0.86	0.90	0.92	0.95	1.06	1.15	1.25	1.14	1.04	0.87	0.66	0.48
+		0.44	0.37	0.39	0.37	0.41	0.53	0.75	1.03	1.14	1.18	1.09	1.00
+		1.00	1.01	0.99	0.90	1.06	1.17	1.27	1.16	1.06	0.94	0.68	0.46
+		0.44	0.40	0.41	0.38	0.43	0.52	0.75	1.03	1.20	1.14	1.14	1.09
+		1.08	1.14	1.04	0.99	1.08	1.20	1.26	1.21	1.12	0.93	0.71	0.52
+		0.47	0.43	0.40	0.38	0.43	0.57	0.77	1.10	1.17	1.14	0.99	0.90
+		0.79	0.85	0.78	0.81	0.94	1.12	1.23	1.18	1.09	0.93	0.70	0.50
+		0.47	0.40	0.42	0.39	0.46	0.53	0.77	1.06	1.21	1.17	1.00	0.99
+		0.88	0.87	0.83	0.75	0.82	1.02	1.16	1.08	1.00	0.84	0.71	0.49
+		0.43	0.37	0.37	0.35	0.43	0.42	0.55	0.75	1.01	1.07	0.89	0.73
+		0.51	0.42	0.40	0.41	0.59	0.90	0.96	0.93	0.85	0.75	0.59	0.43
+		0.34	0.29	0.30	0.27	0.29	0.33	0.40	0.62	0.87	0.97	0.84	0.68
+		0.56	0.50	0.47	0.52	0.69	1.01	1.10	1.03	0.94	0.76	0.56	0.37

+ TIME= WEEK

+ MULT= 1.00

+ ADD = 0.00

X Weekly Load TJ = 19.32

X Each figure represents average hourly flow rate in std. m3/s

X Profile date = 9 JULY 2007 - 15 JULY 2007

X =====