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**SCHEDULES FOR ACCESS ARRANGEMENT  
FOR MOOMBA TO ADELAIDE PIPELINE SYSTEM**

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**LODGMET DATE — 1 APRIL 1999**  
**AMENDED SINCE LODGMET**

**VERSION 29 JUNE 2001**

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# SCHEDULE 1

## PIPELINE SYSTEM

(clause 2)

(Refer Diagrams 1, 2 and 3 following)

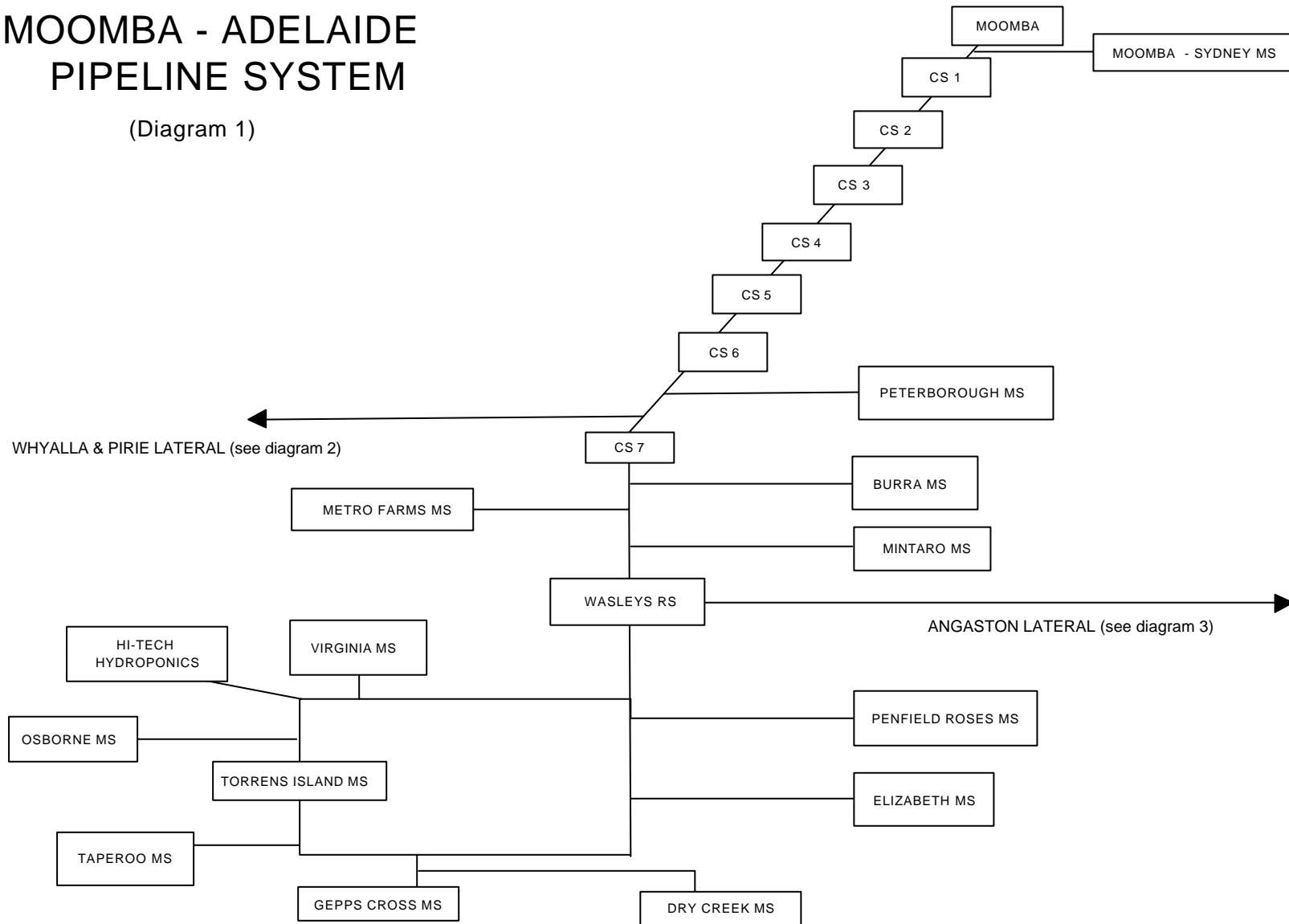
The pipeline is mainly of 559 mm NB, API 5LX-52 SAW pipe and is largely coated with Plicoflex black PVC tape over butyl mastic primer. From Moomba to Wasleys, the MAOP is 7322 kPa and from Wasleys to Adelaide the MAOP is 6100 kPa. From Bungama to Whyalla on the Whyalla lateral, the MAOP is 10200 kPa. Pipeline wall thickness complies with AS2885-1997 using the appropriate third-party factor for the relevant location class. A brief summary of technicals details of the Pipeline System is as follows:

Applicable Code	AS2885-1997
MAOP (maximum allowable operating pressure)	7,322 kPa except in certain locations.
Steel Grade	API 5L-X52 except where noted below. API 5L-X60 on Wasley to Adelaide loop-line and Osborne lateral. ASTM A53 Grade B on Peterborough lateral, Nuriootpa lateral, Dry Creek lateral. API 5L-Grade B on Port Pirie lateral, Burra lateral, Angaston lateral. API 5L-X42 on Port Bonython lateral.
Wall Thickness	For most of the length of the mainline, the wall thickness is 7.92 mm. At minor road crossings, mainline valves and pig traps, the wall thickness is 9.53 mm and at railways and road crossings, the pipeline runs in a casing pipe, vented to atmosphere at both ends and electrically insulated from the pipeline.
Lengths and Pipe Diameters	See table (Attachment A)
External Coating	Most of the pipeline and laterals are coated with Plicoflex black PVC tape over butyl mastic primer which was applied over the ditch. The Wasleys to Adelaide loop-line is coated with FBE. The Whyalla lateral and laterals off the Whyalla lateral is coated with Polyken primer and an inner and outer wrap. The Dry Creek and Burra laterals are coated with Shaw yellow jacket with Canusa heat shrink sleeves. All river crossings are also coated with concrete over the normal coating.

Internal Coating	Most of the pipeline does not have an internal coating. The Wasleys to Adelaide loop-line has an internal lining of Interpon epoxy sprayed paint.
Depth of Cover	Nominally 900 mm for most of the pipeline route. 1200 mm at road and rail crossings and in residential areas. Various depths for directional drills, other river crossings and gulf crossings.
Compressor Stations	See table (Attachment A)
Existing Delivery Points	See table (Attachment B)

# MOOMBA - ADELAIDE PIPELINE SYSTEM

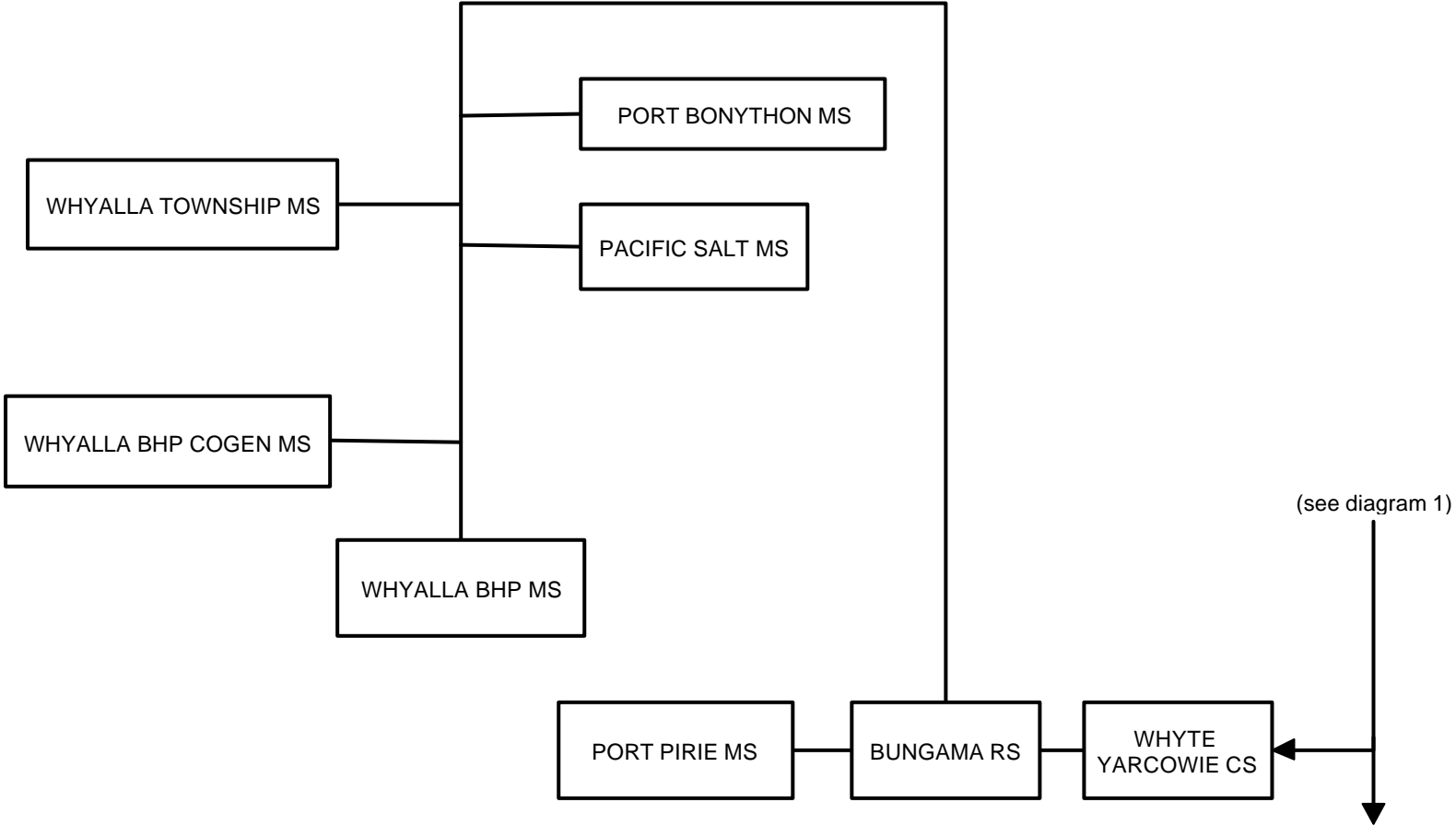
(Diagram 1)



**NOTE:** Taperoo, Gepps Cross and Elizabeth Meter Stations constitute the Adelaide Metro Delivery Point

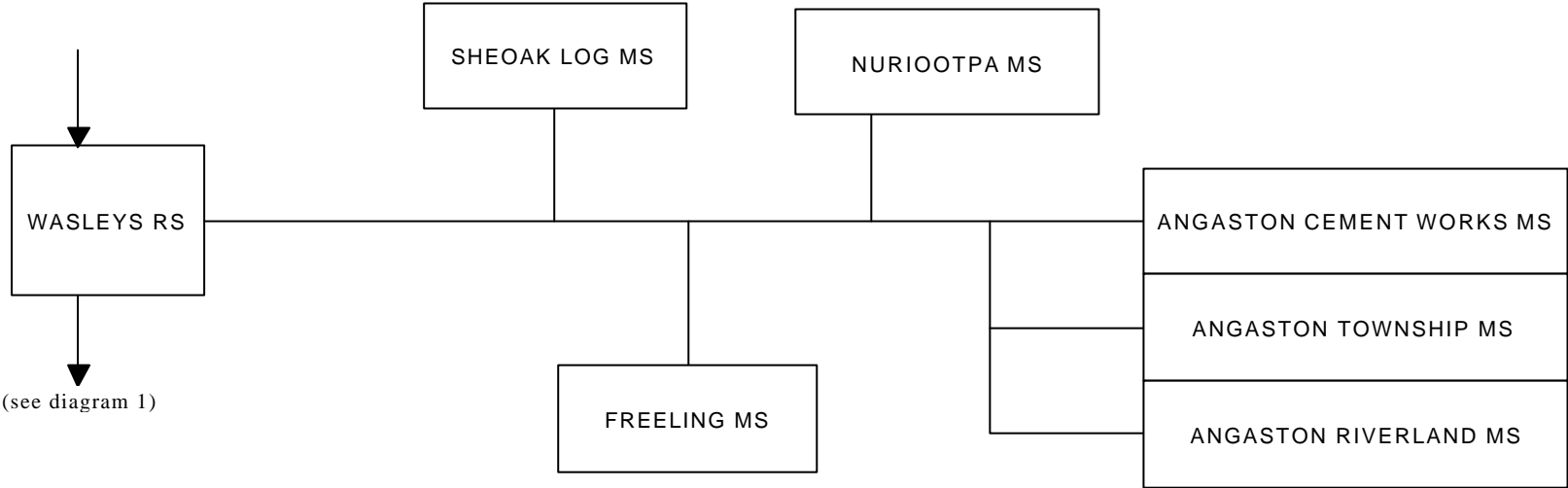


MOOMBA - ADELAIDE PIPELINE  
SYSTEM  
WHYALLA & PIRIE LATERAL  
(Diagram 2)



# MOOMBA - ADELAIDE PIPELINE SYSTEM ANGASTON LATERAL

(Diagram 3)





**Attachment A**  
**Pipeline System - Components**

<b>Pipeline</b>	<b>Date Commissioned</b>	<b>Length (kilometres)</b>	<b>Diameter (mm)</b>
Moomba to Torrens Island	November 1969	781.0	559
Wasleys to Torrens Island Loop Line (includes 4.4 kilometre marine crossing)	September 1986	42.0	508
Peterborough Lateral (to Regulator at Cotton Road)	May 1972	1.9	89
Port Pirie Lateral	July 1976	77.8	168
Port Pirie to Whyalla Lateral (includes 11.5 kilometre marine crossing)	April 1989	87.8	219
Port Bonython Lateral (off Whyalla Lateral)	April 1989	5.5	114
Burra Lateral	June 1974	15.0	89
Angaston Lateral	November 1969	38.7	219
Nuriootpa Lateral (off Angaston Lateral)	September 1972	1.6	114
Tarac Lateral	September 1972 (extended 1982)	0.4	89
Dry Creek Lateral Meter Station to Power Station	August 1971	1.3	323
Mintaro Lateral	March 1984	0.3	219
Osborne Lateral (includes a 840 metre marine crossing)	November 1997	1.1	273
Osborne Cogeneration Plant Lateral	November 1997	0.2	219
Taperoo Lateral (includes a 360 metre marine crossing)	November 1969	1.2	323

Compressor Station	Compressor Unit Details
CS1 Unit A Unit B	Solar Taurus 60/C40 Ingersoll-Rand GT-22 Allison 501KC/IR CDP416
CS2 Unit A Unit B	Solar Taurus 60/C40 Ingersoll-Rand GT-22 Allison 501KC5/IR CDP416
CS3 Unit A Unit B	Solar Taurus 60/C40 Ingersoll-Rand GT-22 Allison 501KC/IR CDP416
CS4 Unit A  Unit B	Ingersoll-Rand GT-22 Allison 501KC5/IR CDP416 Ingersoll-Rand GT-22 Allison 501KC5/IR CDP416
CS5 Unit A Unit B	Solar Taurus 60/C40 Ingersoll-Rand GT-22 Allison 501KC/IR CDP416
CS6 Unit A Unit B	Solar Taurus 60/C40 Ingersoll-Rand GT-22 Allison 501KC/IR CDP416
CS7 Unit A Unit B	Solar Centaur T4002/Solar C307 Solar Centaur T4002/Solar C307
Whyte Yarcowie	Waukesha F3521G/Ariel JGR/2 reciprocating compressor unit
Angaston	Brooks Crompton Parkinson Frame AE 315M Electric Motor (150kW) Gemini HPD reciprocating compressor unit.

**Attachment B**  
**Register of Capacity**

Receipt Point	Number of Customers	Maximum Pressure kPa	Minimum Pressure kPa	Maximum Capacity TJ/day
Moomba	2	7322	6200	455
EAPL Interconnect*	1	6378/7322	6250/6200	80
<b>System Total</b>	2			

\* Maximum and minimum pressures are dependent on the direction of flow.  
Capacity depends on pressure.

Delivery Point	Primary Capacity TJ/d	Maximum Capacity TJ/d	Available Capacity TJ/d	Number of Customers	Maximum Pressure kPa	Minimum Pressure kPa
<b>Mainline Zone</b>						
Peterborough		1.01	0	1	450	250
Burra		1.64	0	1	300	70
Mintaro		32.30	0	1	2100	1700
Wasleys Farms		0.24	0	1	420	250
Virginia		0.92	0	1	420	250
Adelaide Metro		274.60	0	2	1925	1650
Dry Creek		77.00	0	1	2000	1350
Torrens Island		303.00	0	1	2100	1700
Osborne		53.30	0	1	3160	1700
Penfield Roses		0.32	0	1	420	250
HiTech Hydroponics		0.23	0	1	250	70
<b>Zone Total</b>	281	744.56	0	2		
<b>Iron Triangle Zone</b>						
Pt Pirie		6.57	0	1	900	600
Pt Bonython		10.1	0	1	1350	1100
Whyalla Township		1.29	0	1	150	80
Whyalla BHP		29.00	0	1	850	650
Whyalla BHP Cogen		4.85	0	1	2300	1850
Pacific Salt		3.70	0	1	420	250
<b>Zone Total</b>	24.00	55.51	0	1		
<b>Angaston Zone</b>						
Freeling		0.92	0	1	420	250
Nuriootpa		5.45	0	1	1200	950
Sheoak Log		0.10	0	1	420	250
Angaston Township		0.92	0	1	450	250
Angaston ABC		13.30	0	1	950	600
Angaston Riverland		12.00	0	1	10000	2500
<b>Zone Total</b>	18.00	32.69	0	2		
<b>System Total</b>	323	832.76	0	2		

All Maximum Capacity Quantities are based on relevant pressures, gas specific gravity of 0.61, average inlet temperatures and a heating value of 38.5 MJ/m<sup>3</sup>.

**Attachment C**  
**Historical Demand Profile - Calendar 1997**

Receipt Point	Total Annual Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
Moomba	77240264	211617	328577	Feb 5
EAPL Interconnect	--	--	--	--
<b>System Total</b>	<b>77240264</b>	<b>211617</b>	<b>328577</b>	<b>Feb 5</b>

Delivery Point	Total Annual Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
<b>Mainline Zone</b>				
Peterborough				n/a
Burra				n/a
Mintaro				Oct 31
Wasleys Farms				n/a
Virginia				Jul 5
Elizabeth				Aug 25
Gepps Cross				Jul 15
Dry Creek				Feb 5
Taperoo				Dec 26
Torrens Island				Feb 20
Osborne				-
Penfield Roses				n/a
HiTech Hydroponics				n/a
<b>Zone Total</b>	<b>67364708</b>	<b>184561</b>	<b>281061</b>	<b>Feb 20</b>
<b>Iron Triangle Zone</b>				
Pt Pirie				Jul 15
Pt Bonython				May 1
Whyalla Township				Jul 21
Whyalla BHP				May 7
Whyalla BHP Cogen				Jul 10
Pacific Salt				n/a
<b>Zone Total</b>	<b>6568100</b>	<b>17995</b>	<b>26653</b>	<b>May 16</b>
<b>Angaston Zone</b>				
Freeling				Jan 21
Nuriootpa				n/a
Sheoak Log				n/a
Angaston Township				n/a
Angaston ABC				Jun 15
Angaston Riverland				Apr 8
<b>Zone Total</b>	<b>2250472</b>	<b>6166</b>	<b>10615</b>	<b>Apr 17</b>
<b>System Total</b>	<b>76183280</b>	<b>208721</b>	<b>319702</b>	<b>Jan 20</b>

Average Heating Value  
Total Volume Delivered

39.09 MJ/m<sup>3</sup>  
1949161850 m<sup>3</sup>





**Attachment D**  
**Historical Demand Profile - February 1997**

Receipt Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
Moomba	6457363	208302	328577	Feb 5
EAPL Interconnect	--	--	--	-
<b>System Total</b>	6457363	208302	328577	Feb 5

Delivery Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
<b>Mainline Zone</b>				
Peterborough				n/a
Burra				n/a
Mintaro				Feb 20
Wasleys Farms				n/a
Virginia				Feb 11
Elizabeth				Feb 11
Gepps Cross				Feb 3
Dry Creek				Feb 5
Taperoo				Feb 3
Torrens Island				Feb 20
Osborne				-
Penfield Roses				n/a
HiTech Hydroponics				-
<b>Zone Total</b>	5688351	203155	281061	Feb 20
<b>Iron Triangle Zone</b>				
Pt Pirie				Feb 13
Pt Bonython				Feb 14
Whyalla Township				Feb 11
Whyalla BHP				Feb 14
Whyalla BHP Cogen				Feb 11
Pacific Salt				n/a
<b>Zone Total</b>	493180	17614	26161	Feb 14
<b>Angaston Zone</b>				
Freeling				
Nuriootpa				
Sheoak Log				
Angaston Township				
Angaston ABC				
Angaston Riverland				
<b>Zone Total</b>	154399	5514	6757	Feb 26
<b>System Total</b>	6335930	226283	317290	Feb 20

Average Heating Value  
Total Volume Delivered

39.09 MJ/m<sup>3</sup>  
162097889 m<sup>3</sup>







**Attachment D**  
**Historical Demand Profile - May 1997**

Receipt Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
Moomba	6857910	221223	305846	May 14
EAPL Interconnect	--	--	--	-
<b>System Total</b>	6857910	221223	305846	May 14

Delivery Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
<b>Mainline Zone</b>				
Peterborough				n/a
Burra				n/a
Mintaro				May 13
Wasleys Farms				n/a
Virginia				May 29
Elizabeth				May 30
Gepps Cross				May 29
Dry Creek				May 10
Taperoo				May 9
Torrens Island				May 14
Osborne				-
Penfield Roses				n/a
HiTech Hydroponics				n/a
<b>Zone Total</b>	5913755	190766	222114	May 14
<b>Iron Triangle Zone</b>				
Pt Pirie				May 6
Pt Bonython				May 1
Whyalla Township				May 30
Whyalla BHP				May 7
Whyalla BHP Cogen				May 30
Pacific Salt				n/a
<b>Zone Total</b>	661264	21331	26653	May 16
<b>Angaston Zone</b>				
Freeling				May 1
Nuriootpa				n/a
Sheoak Log				n/a
Angaston Township				n/a
Angaston ABC				May 24
Angaston Riverland				May 28
<b>Zone Total</b>	195236	6298	8935	May 22
<b>System Total</b>	6770255	218395	305918	May 14

Average Heating Value	38.90	MJ/m <sup>3</sup>
Total Volume Delivered	174034968	m <sup>3</sup>







**Attachment D**  
**Historical Demand Profile - September 1997**

Receipt Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
Moomba	6133363	204445	256460	Sep 2
EAPL Interconnect	--	--	--	-
<b>System Total</b>	6133363	204445	256460	Sep 2

Delivery Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
<b>Mainline Zone</b>				
Peterborough				n/a
Burra				n/a
Mintaro				Sep 19
Wasleys Farms				n/a
Virginia				Sep 4
Elizabeth				Sep 4
Gepps Cross				Sep 4
Dry Creek				Sep 20
Taperoo				Sep 26
Torrens Island				Sep 1
Osborne				-
Penfield Roses				n/a
HiTech Hydroponics				n/a
<b>Zone Total</b>	5376156	179205	176842	Sep 2
<b>Iron Triangle Zone</b>				
Pt Pirie				Sep 18
Pt Bonython				Sep 16
Whyalla Township				Sep 1
Whyalla BHP				Sep 24
Whyalla BHP Cogen				Sep 4
Pacific Salt				n/a
<b>Zone Total</b>	554825	18494	23585	Sep 24
<b>Angaston Zone</b>				
Freeling				Sep 29
Nuriootpa				n/a
Sheoak Log				n/a
Angaston Township				n/a
Angaston ABC				Sep 20
Angaston Riverland				Sep 9
<b>Zone Total</b>	192709	6424	7826	Sep 19
<b>System Total</b>	6123690	204123	251691	Sep 2

Average Heating Value  
Total Volume Delivered

39.32 MJ/m<sup>3</sup>  
155732794 m<sup>3</sup>

**Attachment D**  
**Historical Demand Profile - October 1997**

Receipt Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
Moomba	6646563	214405	296845	Oct 31
EAPL Interconnect	--	--	--	-
<b>System Total</b>	6646563	214405	296845	Oct 31

Delivery Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
<b>Mainline Zone</b>				
Peterborough				n/a
Burra				n/a
Mintaro				Oct 31
Wasleys Farms				n/a
Virginia				Oct 30
Elizabeth				Oct 31
Gepps Cross				Oct 31
Dry Creek				Oct 31
Taperoo				Oct 3
Torrens Island				Oct 31
Osborne				-
Penfield Roses				n/a
HiTech Hydroponics				n/a
<b>Zone Total</b>	5788327	186720	234510	Oct 31
<b>Iron Triangle Zone</b>				
Pt Pirie				Oct 23
Pt Bonython				Oct 29
Whyalla Township				Oct 31
Whyalla BHP				Oct 28
Whyalla BHP Cogen				Oct 14
Pacific Salt				n/a
<b>Zone Total</b>	614878	19835	22726	Oct 28
<b>Angaston Zone</b>				
Freeling				Oct 14
Nuriootpa				n/a
Sheoak Log				n/a
Angaston Township				n/a
Angaston ABC				Oct 22
Angaston Riverland				Oct 21
<b>Zone Total</b>	202673	6538	9087	Oct 21
<b>System Total</b>	6605878	213093	312785	Oct 31

Average Heating Value	39.08	MJ/m <sup>3</sup>
Total Volume Delivered	169030370	m <sup>3</sup>

**Attachment D**  
**Historical Demand Profile - November 1997**

Receipt Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
Moomba	6762466	225416	316037	Nov 1
EAPL Interconnect	--	--	--	-
<b>System Total</b>	6762466	225416	316037	Nov 1

Delivery Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
<b>Mainline Zone</b>				
Peterborough				n/a
Burra				n/a
Mintaro				Nov 25
Wasleys Farms				n/a
Virginia				Nov 3
Elizabeth				Nov 17
Gepps Cross				Nov 17
Dry Creek				Nov 25
Taperoo				Nov 14
Torrens Island				Nov 25
Osborne				-
Penfield Roses				n/a
HiTech Hydroponics				n/a
<b>Zone Total</b>	5953354	198445	247576	Nov 25
<b>Iron Triangle Zone</b>				
Pt Pirie				
Pt Bonython				
Whyalla Township				
Whyalla BHP				
Whyalla BHP Cogen				
Pacific Salt				
<b>Zone Total</b>	459755	15325	19720	Nov 6
<b>Angaston Zone</b>				
Freeling				Nov 17
Nuriootpa				n/a
Sheoak Log				n/a
Angaston Township				n/a
Angaston ABC				Nov 4
Angaston Riverland				Nov 20
<b>Zone Total</b>	182418	6081	8013	Nov 5
<b>System Total</b>	6595527	219851	297643	Nov 25

Average Heating Value	38.75	MJ/m <sup>3</sup>
Total Volume Delivered	170206930	m <sup>3</sup>



**Attachment D**  
**Historical Demand Profile - December 1997**

Receipt Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
Moomba	5182524	167178	235152	Dec 15
EAPL Interconnect	--	--	--	-
<b>System Total</b>	5182524	167178	235152	Dec 15

Delivery Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
<b>Mainline Zone</b>				
Peterborough				n/a
Burra				n/a
Mintaro				Dec 29
Wasleys Farms				n/a
Virginia				Dec 26
Elizabeth				Dec 15
Gepps Cross				Dec 18
Dry Creek				Dec 3
Taperoo				Dec 26
Torrens Island				Dec 16
Osborne				-
Penfield Roses				n/a
HiTech Hydroponics				n/a
<b>Zone Total</b>	4529577	146115	156879	Dec 16
<b>Iron Triangle Zone</b>				
Pt Pirie				Dec 23
Pt Bonython				Dec 8
Whyalla Township				Dec 18
Whyalla BHP				Dec 16
Whyalla BHP Cogen				Dec 24
Pacific Salt				n/a
<b>Zone Total</b>	453981	14645	20281	Dec 16
<b>Angaston Zone</b>				
Freeling				Dec 8
Nuriootpa				n/a
Sheoak Log				n/a
Angaston Township				n/a
Angaston ABC				Dec 18
Angaston Riverland				Dec 18
<b>Zone Total</b>	171713	5539	8012	Dec 18
<b>System Total</b>	5155271	166299	226631	Dec 16

Average Heating Value	38.63	MJ/m <sup>3</sup>
Total Volume Delivered	133452406	m <sup>3</sup>

**Attachment D**  
**Historical Demand Profile - January 1998**

Receipt Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
Moomba	6007215	193781	288747	Jan 12
EAPL Interconnect	--	--	--	--
<b>System Total</b>	6007215	193781	288747	Jan 12

Delivery Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
<b>Mainline Zone</b>				
Peterborough				n/a
Burra				n/a
Mintaro				Jan 11
Wasleys Farms				n/a
Virginia				Jan 29
Elizabeth				Jan 28
Gepps Cross				Jan 28
Dry Creek				Jan 12
Taperoo				Jan 29
Torrens Island				Jan 13
Osborne				-
Penfield Roses				n/a
HiTech Hydroponics				n/a
<b>Zone Total</b>	5227880	168641	221664	Jan 13
<b>Iron Triangle Zone</b>				
Pt Pirie				Jan 22
Pt Bonython				Jan 1
Whyalla Township				Jan 28
Whyalla BHP				Jan 20
Whyalla BHP Cogen				Jan 29
Pacific Salt				n/a
<b>Zone Total</b>	498227	16072	22245	Jan 20
<b>Angaston Zone</b>				
Freeling				Jan 27
Nuriootpa				n/a
Sheoak Log				n/a
Angaston Township				Jan 28
Angaston ABC				Jan 19
Angaston Riverland				Jan 30
<b>Zone Total</b>	189166	6102	3232	Jan 30
<b>System Total</b>	5915273	190815	272847	Jan 13

Average Heating Value  
Total Volume Delivered

38.58 MJ/m<sup>3</sup>  
153330571 m<sup>3</sup>

**Attachment D**  
**Historical Demand Profile - February 1998**

Receipt Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
Moomba	5581313	180042	279511	Feb 25
EAPL Interconnect	--	--	--	-
<b>System Total</b>	5581313	180042	279511	Feb 25

Delivery Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
<b>Mainline Zone</b>				
Peterborough				n/a
Burra				Feb 16
Mintaro				Feb 26
Wasleys Farms				n/a
Virginia				Feb 10
Elizabeth				Feb 17
Gepps Cross				Feb 17
Dry Creek				Feb 26
Taperoo				Feb 8
Torrens Island				Feb 25
Osborne				-
Penfield Roses				n/a
HiTech Hydroponics				n/a
<b>Zone Total</b>	4921971	175785	234905	Feb 25
<b>Iron Triangle Zone</b>				
Pt Pirie				Feb 3
Pt Bonython				Feb 27
Whyalla Township				Feb 16
Whyalla BHP				Feb 18
Whyalla BHP Cogen				Feb 8
Pacific Salt				n/a
<b>Zone Total</b>	443982	15857	19908	Feb 18
<b>Angaston Zone</b>				
Freeling				Feb 19
Nuriootpa				Feb 26
Sheoak Log				n/a
Angaston Township				Feb 17
Angaston ABC				Feb 7
Angaston Riverland				Feb 27
<b>Zone Total</b>	152595	5450	4220	Feb 27
<b>System Total</b>	5518548	197091	290587	Feb 25

Average Heating Value  
Total Volume Delivered

38.33 MJ/m<sup>3</sup>  
143962595 m<sup>3</sup>

**Attachment D**  
**Historical Demand Profile – March 1998**

Receipt Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
Moomba	6166010	198904	324309	Mar 12
EAPL Interconnect	--	--	--	-
<b>System Total</b>	6166010	198904	324309	Mar 12

Delivery Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
<b>Mainline Zone</b>				
Peterborough				Mar 19
Burra				Mar 7
Mintaro				Mar 11
Wasleys Farms				n/a
Virginia				Mar 19
Elizabeth				Mar 31
Gepps Cross				Mar 30
Dry Creek				Mar 3
Taperoo				Mar 31
Torrens Island				Mar 12
Osborne				-
Penfield Roses				n/a
HiTech Hydroponics				n/a
<b>Zone Total</b>	5335917	172126	238382	Mar 11
<b>Iron Triangle Zone</b>				
Pt Pirie				Mar 24
Pt Bonython				Mar 4
Whyalla Township				Mar 25
Whyalla BHP				Mar 24
Whyalla BHP Cogen				Mar 28
Pacific Salt				n/a
<b>Zone Total</b>	495050	15969	20315	Mar 24
<b>Angaston Zone</b>				
Freeling				Mar 11
Nuriootpa				Mar 15
Sheoak Log				n/a
Angaston Township				Mar 16
Angaston ABC				Mar 31
Angaston Riverland				Mar 20
<b>Zone Total</b>	231234	7459	5244	Mar 20
<b>System Total</b>	6062201	195555	297784	Mar 11

Average Heating Value  
Total Volume Delivered

38.52 MJ/m<sup>3</sup>  
157383328 m<sup>3</sup>

**Attachment D**  
**Historical Demand Profile - April 1998**

Receipt Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
Moomba	5257964	175265	213206	Apr 1
EAPL Interconnect	--	--	--	-
<b>System Total</b>	5257964	175265	213206	Apr 1

Delivery Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
<b>Mainline Zone</b>				
Peterborough				Apr 27
Burra				Apr 14
Mintaro				n/a
Wasleys Farms				n/a
Virginia				Apr 17
Elizabeth				Apr 30
Gepps Cross				Apr 1
Dry Creek				Apr 11
Taperoo				Apr 17
Torrens Island				Apr 7
Osborne				Apr 15
Penfield Roses				n/a
HiTech Hydroponics				n/a
<b>Zone Total</b>	4526485	150883	137821	Apr 7
<b>Iron Triangle Zone</b>				
Pt Pirie				Apr 1
Pt Bonython				Apr 1
Whyalla Township				Apr 27
Whyalla BHP				Apr 24
Whyalla BHP Cogen				Apr 25
Pacific Salt				n/a
<b>Zone Total</b>	452522	15084	23006	Apr 24
<b>Angaston Zone</b>				
Freeling				Apr 23
Nuriootpa				Apr 27
Sheoak Log				n/a
Angaston Township				Apr 22
Angaston ABC				Apr 4
Angaston Riverland				Apr 2
<b>Zone Total</b>	194030	6468	5251	Apr 2
<b>System Total</b>	5173037	172435	202031	Apr 1

Average Heating Value  
Total Volume Delivered

38.43 MJ/m<sup>3</sup>  
134614485 m<sup>3</sup>

**Attachment D**  
**Historical Demand Profile – May 1998**

Receipt Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
Moomba	6848748	220927	313881	May 27
EAPL Interconnect	--	--	--	-
<b>System Total</b>	6848748	220927	313881	May 27

Delivery Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
<b>Mainline Zone</b>				
Peterborough				May 25
Burra				May 30
Mintaro				May 16
Wasleys Farms				n/a
Virginia				May 25
Elizabeth				May 26
Gepps Cross				May 27
Dry Creek				May 26
Taperoo				May 7
Torrens Island				May 20
Osborne				May 26
Penfield Roses				n/a
HiTech Hydroponics				n/a
<b>Zone Total</b>	6072269	195880	237144	May 20
<b>Iron Triangle Zone</b>				
Pt Pirie				May 5
Pt Bonython				May 28
Whyalla Township				May 25
Whyalla BHP				May 17
Whyalla BHP Cogen				May 20
Pacific Salt				n/a
<b>Zone Total</b>	519787	16767	19641	May 17
<b>Angaston Zone</b>				
Freeling				May 12
Nuriootpa				May 14
Sheoak Log				n/a
Angaston Township				May 7
Angaston ABC				May 2
Angaston Riverland				May 20
<b>Zone Total</b>	140629	4536	3611	May 20
<b>System Total</b>	6732685	217183	308211	May 20

Average Heating Value  
Total Volume Delivered

38.72 MJ/m<sup>3</sup>  
173887734 m<sup>3</sup>

**Attachment D**  
**Historical Demand Profile - June 1998**

Receipt Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
Moomba	7707137	256905	301233	Jun 23
EAPL Interconnect	--	--	--	-
<b>System Total</b>	<b>7707137</b>	<b>256905</b>	<b>301233</b>	<b>Jun 23</b>

Delivery Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
<b>Mainline Zone</b>				
Peterborough				Jun 30
Burra				Jun 6
Mintaro				Jun 11
Wasleys Farms				n/a
Virginia				Jun 22
Elizabeth				Jun 22
Gepps Cross				Jun 30
Dry Creek				Jun 11
Taperoo				Jun 11
Torrens Island				Jun 23
Osborne				Jun 26
Penfield Roses				n/a
HiTech Hydroponics				n/a
<b>Zone Total</b>	<b>6735857</b>	<b>224529</b>	<b>238654</b>	<b>Jun 11</b>
<b>Iron Triangle Zone</b>				
Pt Pirie				Jun 2
Pt Bonython				Jun 21
Whyalla Township				Jun 23
Whyalla BHP				Jun 24
Whyalla BHP Cogen				Jun 8
Pacific Salt				n/a
<b>Zone Total</b>	<b>622828</b>	<b>20761</b>	<b>25000</b>	<b>Jun 26</b>
<b>Angaston Zone</b>				
Freeling				Jun 1
Nuriootpa				Jun 12
Sheoak Log				n/a
Angaston Township				Jun 18
Angaston ABC				Jun 17
Angaston Riverland				Jun 18
<b>Zone Total</b>	<b>139163</b>	<b>4639</b>	<b>3341</b>	<b>Jun 18</b>
<b>System Total</b>	<b>7497848</b>	<b>249928</b>	<b>317864</b>	<b>Jun 11</b>

Average Heating Value  
Total Volume Delivered

38.78 MJ/m<sup>3</sup>  
193359186 m<sup>3</sup>

**Attachment D**  
**Historical Demand Profile - July 1998**

Receipt Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
Moomba	8744182	282070	327798	Jul 1
EAPL Interconnect	--	--	--	-
<b>System Total</b>	8744182	282070	327798	Jul 1

Delivery Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
<b>Mainline Zone</b>				
Peterborough				Jul 29
Burra				Jul 17
Mintaro				Jul 21
Wasleys Farms				n/a
Virginia				Jul 28
Elizabeth				Jul 28
Gepps Cross				Jul 28
Dry Creek				Jul 21
Taperoo				Jul 28
Torrens Island				Jul 21
Osborne				Jul 22
Penfield Roses				n/a
HiTech Hydroponics				n/a
<b>Zone Total</b>	7778916	250933	294233	Jul 21
<b>Iron Triangle Zone</b>				
Pt Pirie				Jul 28
Pt Bonython				Jul 21
Whyalla Township				Jul 28
Whyalla BHP				Jul 21
Whyalla BHP Cogen				Jul 30
Pacific Salt				n/a
<b>Zone Total</b>	688898	22223	26533	Jul 21
<b>Angaston Zone</b>				
Freeling				Jul 27
Nuriootpa				Jul 12
Sheoak Log				n/a
Angaston Township				Jul 28
Angaston ABC				Jul 2
Angaston Riverland				Jul 31
<b>Zone Total</b>	87988	2838	2582	Jul 31
<b>System Total</b>	8555802	275994	378746	Jul 21

Average Heating Value  
Total Volume Delivered

39.22 MJ/m<sup>3</sup>  
218121779 m<sup>3</sup>



**Attachment D**  
**Historical Demand Profile –August 1998**

Receipt Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
Moomba	8327284	268625	322647	Aug 26
EAPL Interconnect	--	--	--	-
<b>System Total</b>	8327284	268625	322647	Aug 26

Delivery Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
<b>Mainline Zone</b>				
Peterborough				Aug 3
Burra				Aug 11
Mintaro				Aug 24
Wasleys Farms				n/a
Virginia				Aug 1
Elizabeth				Aug 3
Gepps Cross				Aug 11
Dry Creek				Aug 25
Taperoo				Aug 24
Torrens Island				Aug 24
Osborne				Aug 20
Penfield Roses				n/a
HiTech Hydroponics				n/a
<b>Zone Total</b>	7455513	240500	271831	Aug 24
<b>Iron Triangle Zone</b>				
Pt Pirie				Aug 4
Pt Bonython				Aug 14
Whyalla Township				Aug 1
Whyalla BHP				Aug 19
Whyalla BHP Cogen				Aug 25
Pacific Salt				n/a
<b>Zone Total</b>	538156	17360	20990	Aug 19
<b>Angaston Zone</b>				
Freeling				Aug 17
Nuriootpa				Aug 31
Sheoak Log				n/a
Angaston Township				Aug 10
Angaston ABC				Aug 30
Angaston Riverland				Aug 27
<b>Zone Total</b>	126507	4081	2998	Aug 27
<b>System Total</b>	8120176	261941	345049	Aug 24

Average Heating Value  
Total Volume Delivered

39.60 MJ/m<sup>3</sup>  
205075752 m<sup>3</sup>

**Attachment D**  
**Historical Demand Profile - September 1998**

Receipt Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
Moomba	6937228	231241	298972	Sep 16
EAPL Interconnect	--	--	--	--
<b>System Total</b>	6937228	231241	298972	Sep 16

Delivery Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
<b>Mainline Zone</b>				
Peterborough				Sep 7
Burra				Sep 15
Mintaro				Sep 22
Wasleys Farms				n/a
Virginia				Sep 6
Elizabeth				Sep 15
Gepps Cross				Sep 15
Dry Creek				Sep 11
Taperoo				Sep 1
Torrens Island				Sep 16
Osborne				Sep 23
Penfield Roses				n/a
HiTech Hydroponics				n/a
<b>Zone Total</b>	6259125	208638	203245	Sep 16
<b>Iron Triangle Zone</b>				
Pt Pirie				Sep 9
Pt Bonython				Sep 26
Whyalla Township				Sep 14
Whyalla BHP				Sep 3
Whyalla BHP Cogen				Sep 19
Pacific Salt				n/a
<b>Zone Total</b>	449628	14988	18433	Sep 3
<b>Angaston Zone</b>				
Freeling				Sep 29
Nuriootpa				Sep 22
Sheoak Log				n/a
Angaston Township				Sep 15
Angaston ABC				Sep 19
Angaston Riverland				Sep 16
<b>Zone Total</b>	187786	6260	3400	Sep 16
<b>System Total</b>	6896539	229885	270273	Sep 16

Average Heating Value  
Total Volume Delivered

39.01 MJ/m<sup>3</sup>  
176785650 m<sup>3</sup>

**Attachment D**  
**Historical Demand Profile – October 1998**

Receipt Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
Moomba	6999015	225775	302383	Oct 8
EAPL Interconnect	--	--	--	-
<b>System Total</b>	6999015	225775	302383	Oct 8

Delivery Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
<b>Mainline Zone</b>				
Peterborough				Oct 6
Burra				Oct 8
Mintaro				Oct 15
Wasleys Farms				n/a
Virginia				Oct 8
Elizabeth				Oct 20
Gepps Cross				Oct 13
Dry Creek				Oct 14
Taperoo				Oct 31
Torrens Island				Oct 8
Osborne				Oct 22
Penfield Roses				n/a
HiTech Hydroponics				n/a
<b>Zone Total</b>	6340909	204545	220032	Oct 8
<b>Iron Triangle Zone</b>				
Pt Pirie				Oct 29
Pt Bonython				Oct 3
Whyalla Township				Oct 9
Whyalla BHP				Oct 25
Whyalla BHP Cogen				Oct 8
Pacific Salt				n/a
<b>Zone Total</b>	490090	15809	19883	Oct 21
<b>Angaston Zone</b>				
Freeling				Oct 20
Nuriootpa				Oct 11
Sheoak Log				n/a
Angaston Township				Oct 13
Angaston ABC				Oct 31
Angaston Riverland				Oct 7
<b>Zone Total</b>	78052	2518	3130	Oct 7
<b>System Total</b>	6909051	222873	270938	Oct 8

Average Heating Value  
Total Volume Delivered

38.87 MJ/m<sup>3</sup>  
177730860 m<sup>3</sup>

**Attachment D**  
**Historical Demand Profile - November 1998**

Receipt Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
Moomba	6148481	204949	288756	Nov 26
EAPL Interconnect	--	--	--	-
<b>System Total</b>	6148481	204949	288756	Nov 26

Delivery Point	Total Monthly Quantity, GJ	Average Daily Quantity, GJ	Daily Peak Quantity, GJ	Peak Day Date
<b>Mainline Zone</b>				
Peterborough				Nov 2
Burra				Nov 1
Mintaro				Nov 24
Wasleys Farms				n/a
Virginia				Nov 22
Elizabeth				Nov 11
Gepps Cross				Nov 2
Dry Creek				Nov 24
Taperoo				Nov 2
Torrens Island				Nov 25
Osborne				Nov 17
Penfield Roses				n/a
HiTech Hydroponics				n/a
<b>Zone Total</b>	5389155	179639	181483	Nov 25
<b>Iron Triangle Zone</b>				
Pt Pirie				Nov 27
Pt Bonython				Nov 21
Whyalla Township				Nov 12
Whyalla BHP				Nov 19
Whyalla BHP Cogen				Nov 16
Pacific Salt				n/a
<b>Zone Total</b>	498311	16610	22135	Nov 19
<b>Angaston Zone</b>				
Freeling				Nov 12
Nuriootpa				Nov 30
Sheoak Log				n/a
Angaston Township				Nov 17
Angaston ABC				Nov 18
Angaston Riverland				Nov 13
<b>Zone Total</b>	173376	5779	2853	Nov 13
<b>System Total</b>	6060842	202028	234741	Nov 25

Average Heating Value  
Total Volume Delivered

38.95 MJ/m<sup>3</sup>  
155589347 m<sup>3</sup>

**Attachment D**  
**Historical Demand Profile – December 1998**

<b>Receipt Point</b>	<b>Total Monthly Quantity, GJ</b>	<b>Average Daily Quantity, GJ</b>	<b>Daily Peak Quantity, GJ</b>	<b>Peak Day Date</b>
Moomba	6186624	199569	304297	Dec 11
EAPL Interconnect	--	--	--	-
<b>System Total</b>	6186624	199569	304297	Dec 11

<b>Delivery Point</b>	<b>Total Monthly Quantity, GJ</b>	<b>Average Daily Quantity, GJ</b>	<b>Daily Peak Quantity, GJ</b>	<b>Peak Day Date</b>
<b>Mainline Zone</b>				
Peterborough				Dec 21
Burra				Dec 3
Mintaro				Dec 22
Wasleys Farms				n/a
Virginia				Dec 5
Elizabeth				Dec 3
Gepps Cross				Dec 4
Dry Creek				Dec 11
Taperoo				Dec 1
Torrens Island				Dec 9
Osborne				Dec 14
Penfield Roses				n/a
HiTech Hydroponics				n/a
<b>Zone Total</b>	5520623	178085	232217	Dec 11
<b>Iron Triangle Zone</b>				
Pt Pirie				Dec 15
Pt Bonython				Dec 28
Whyalla Township				Dec 4
Whyalla BHP				Dec 12
Whyalla BHP Cogen				Dec 27
Pacific Salt				n/a
<b>Zone Total</b>	537674	17344	21562	Dec 12
<b>Angaston Zone</b>				
Freeling				Dec 15
Nuriotpa				Dec 4
Sheoak Log				n/a
Angaston Township				Dec 1
Angaston ABC				Dec 4
Angaston Riverland				Dec 10
<b>Zone Total</b>	114454	3692	3244	Dec 10
<b>System Total</b>	6172751	199121	280815	Dec 11

Average Heating Value  
Total Volume Delivered

39.07 MJ/m<sup>3</sup>  
157991235 m<sup>3</sup>

**Attachment E**  
(clause 2.3(c))

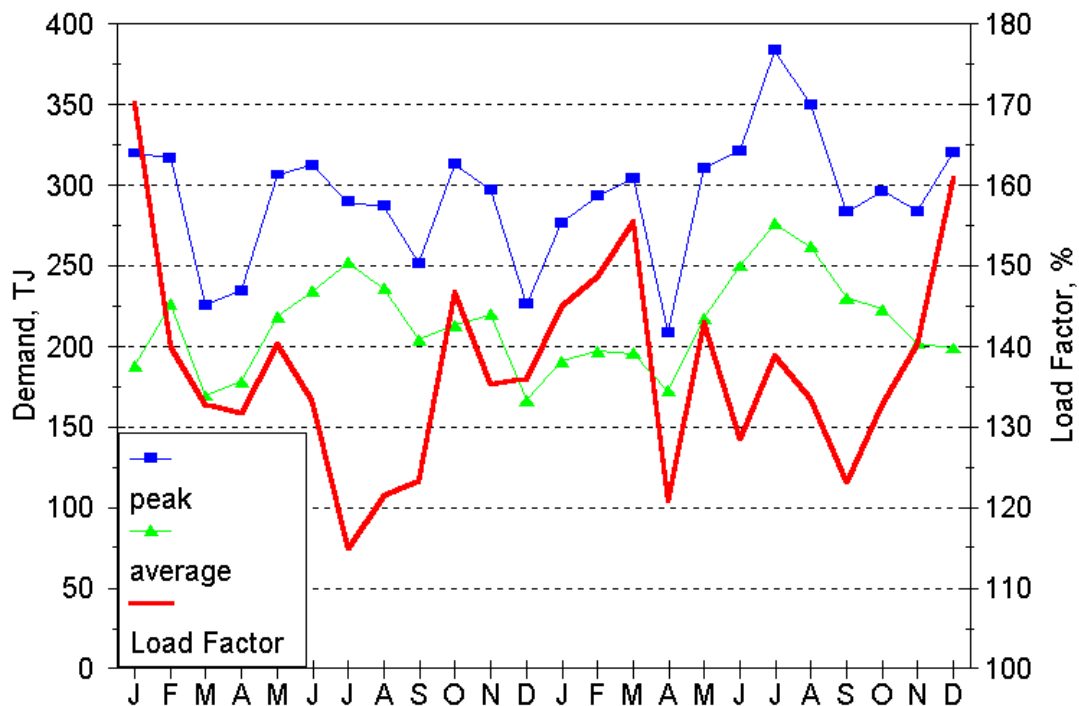
**1. Average Daily and Peak Demand**

The following information is attached:

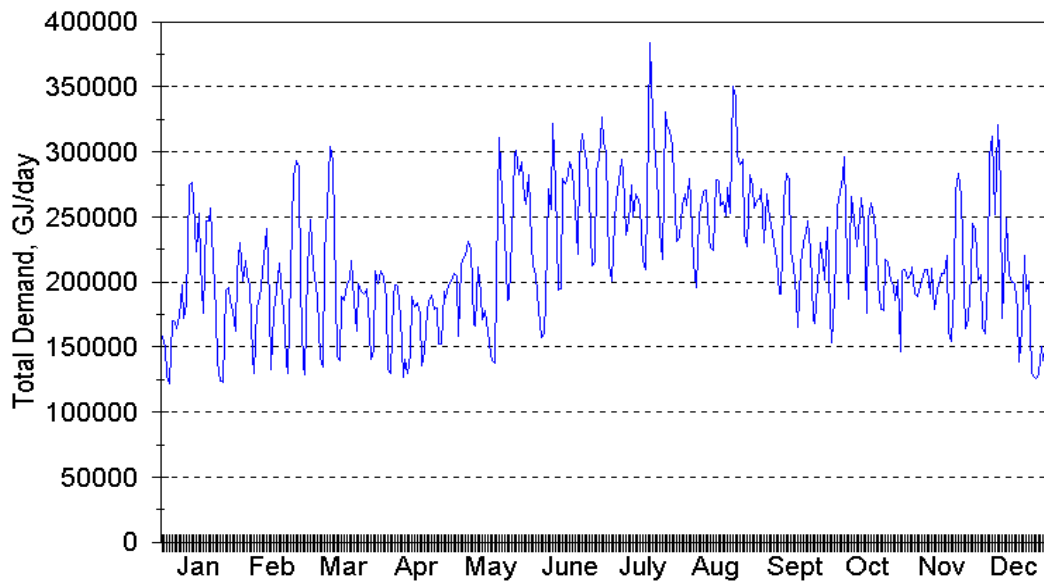
- Tabulation of average day and peak day for each of the 1989 to 1998 years, also showing load factor,
- Graph of daily total demand for 1998, and
- Graph of average day and peak day for each month of 1997 and 1998.

Year	Average Day (TJ/day)	Peak Day (TJ/day)	Load Factor (Peak/Average)
1989	245.9	350.3	142.5
1990	215.9	324.8	150.5
1991	204.4	317.7	155.5
1992	222.1	347.3	156.4
1993	231.7	342.3	147.7
1994	230.5	315.6	136.9
1995	215.3	324.5	150.7
1996	198.5	340.5	171.5
1997	209.1	319.7	152.9
1998	218.1	383.7	175.9

### Average and Peak Days - 1997-8



## Demand - 1998



### 2. System Load Profile By Month

The following table provides an approximate breakdown of the annual demand month by month as a percentage of the total annual load. The percentages are based on the load profiles of the years 1994 - 1998.

Month	% of Total Annual Load
January	7.6
February	7.6
March	7.9
April	7.1
May	8.5
June	9.1
July	10.1
August	9.7
September	8.3
October	8.9
November	8.0
December	7.2
<b>Total</b>	<b>100.0</b>

### 3. Number of Users on the Pipeline System as at December 1998

<b>Number of Users</b>	<b>2</b>
------------------------	----------

# **SCHEDULE 2**



**MHQ's**  
(clause 43.1)

On a Day the User must not:

- (a) supply a quantity of Gas in any 1 hour period at any Receipt Point in excess of:
  - (i) 1/24th of the User's Scheduled Receipt Quantity at that Receipt Point; or
  - (ii) such other proportion of the Scheduled Receipt Quantity at that Receipt Point as the Service Provider may, in its absolute discretion approve;
- (b) take delivery of quantities of Gas at any Delivery Point in any 1 hour period in excess of 1/24<sup>th</sup> of the User's prorata share of Maximum Capacity at that point, based upon the sum of all Scheduled Delivery Quantities at that point (as notified on the EBB);
- (c) take delivery of quantities of Gas in aggregate at all Delivery Points within a Zone (for the Mainline and Angaston Zones), in excess of:
  - (i) 144% of 1/24th of the sum of the Scheduled Delivery Quantities for that Day in any 1 hour period;
  - (ii) 138% of 3/24ths of the sum of the Scheduled Delivery Quantities for that Day in any period of 3 consecutive hours;
  - (iii) 132% of 5/24ths of the sum of the Scheduled Delivery Quantities for that Day in any period of 5 consecutive hours; or
  - (iv) 126% of 12/24ths of the sum of the Scheduled Delivery Quantities for that Day in any period of 12 consecutive hours; or
- (d) take delivery of quantities of Gas in aggregate at all Delivery Points in the Iron Triangle Zone in excess of:
  - (i) 115% of 1/24th of the sum of the Scheduled Delivery Quantities in that Zone for that Day in any 1 hour period;
  - (ii) 112% of 3/24ths of the sum of the Scheduled Delivery Quantities in that Zone for that Day in any period of 3 consecutive hours;
  - (iii) 109% of 6/24ths of the sum of the Scheduled Delivery Quantities in that Zone for that Day in any period of 6 consecutive hours; or
  - (iv) 105% of 12/24ths of the sum of the Scheduled Delivery Quantities in that Zone for that Day in any period of 12 consecutive hours.

# **SCHEDULE 3**

## **Gas Specification** (clause 43.1)

### **1. Hydrogen Sulfide and Total Sulfur**

The Gas must not contain more than 5.7 mg/m<sup>3</sup> of hydrogen sulfide nor more than 23mg/m<sup>3</sup> of total sulfur or sulfur compounds

### **2. Mercaptans**

The Gas must not contain more than 4.6 mg/m<sup>3</sup> of mercaptans.

### **3. Water Vapour**

The Gas must not contain more than 112 mg/m<sup>3</sup> of water vapour.

### **4. Carbon Dioxide and Nitrogen**

The Gas must not contain more than 3% by volume of either carbon dioxide or nitrogen individually and must not contain more than 6% by volume of combined non-hydrocarbon gases including, but not limited to, carbon dioxide, nitrogen and oxygen.

### **5. Oxygen**

The Gas must not contain in excess of one-tenth of 1% by volume of oxygen, and the User must use its best endeavours to keep the Gas completely free of oxygen.

### **6. Dust, Gums, etc.**

The Gas must be free of objectionable odours, dust, gum, sand, dirt, crude oil, contaminants, impurities and other solid or liquid or hazardous matter which might interfere with its merchantability or cause injury or damage, risk to health, or interfere with the proper operation of facilities, lines, regulators, meters or other appliances through which it flows.

### **7. Hydrocarbon Dew Point**

The hydrocarbon dew point of the Gas must be less than 10° C at 3500 kPa (measured at the Receipt Point) and low enough to prevent the condensation of Gas within the Pipeline System.

### **8. Average Heating Value**

The average heating value of the Gas received at the Receipt Point in any Day must not be less than 37.45 MJ/m<sup>3</sup>. This minimum value may be reduced as mutually agreed if required by operating conditions but in no event will the heating value of the gas received at any time be less than 36.69 MJ/m<sup>3</sup>.

## 9. Wobbe Index

The average Wobbe Index of the Gas received into the Pipeline System at any time will not be less than 47.4 nor more than 51.5 as calculated in accordance with the following formula:

$$WI = \sqrt{\frac{HV}{SG}}$$

where: **HV** means heating value in megajoules per cubic metre (MJ/m<sup>3</sup>) (where 'heating value' means the gross or higher heating value expressed in MJ/m<sup>3</sup> produced by the complete combustion of one cubic metre of Gas with air, at Standard Conditions, with the Gas free of all water vapour, the products of combustion cooled to a temperature of 15°C, and the water vapour formed by combustion condensed to the liquid state.

**SG** means specific gravity of the Gas relative to air (where the specific gravity of air = 1.000).

# **SCHEDULE 4**

**Tariff Schedule**  
(clause 43.1)

**1. Reference Service - FT Service**

<b>Charge/Charge Rate</b>	<b>Amount</b>	<b>Payable</b>
Capacity Charge	MDQ (in GJ/day) x 365 x Capacity Charge Rate	In 12 equal Monthly instalments.
Capacity Charge Rate	\$0.3525 per GJ	N/A.
Whyalla Lateral Surcharge	\$0.1790 per GJ	If applicable, in addition to the Capacity Charge Rate.
FT Commodity Charge Rate	\$0.0879 per GJ	Monthly for each GJ of Gas delivered to User during that Month.
FT Customer Charge	\$100 per Month	Monthly.
Excess Imbalance Charge Rate	\$0.30 per GJ	See clauses 12.3(b) and 19.3.
Zone Variation Charge Rate	\$0.30 per GJ	See clause 19.7.
Default Charge Rate	\$7.50 per GJ	See clauses 24.4 and 25.5.

**2. Rebatable Service - IT Service**

<b>Charge/Charge Rate</b>	<b>Amount</b>	<b>Payable</b>
IT Commodity Charge Rate	\$0.5065 per GJ	Monthly for each GJ of Gas delivered to User during that Month.
IT Customer Charge	\$50 per Month	Monthly.
Excess Imbalance Charge Rate	\$0.30 per GJ	See clauses 12.3(b) and 19.3.
Default Charge Rate	\$7.50 per GJ	See clauses 24.4 and 25.5

**3. Other Charges**

<b>Charge</b>	<b>Amount</b>	<b>Payable</b>
Application Fee – FT Service	\$5,000	On application for FT Service.
Application Fee – IT Service	\$5,000	On application for IT Service.
<u>Application Fee – Non- Specified Service</u>	<u>\$5,000</u>	<u>On application for a Non- Specified Service</u>
EBB User Charge	\$25	See clause 27.2(b)(ii).
EBB Public Data Charge	\$0.10 per A4 page	See clause 27.4(c)(i).
EBB Proprietary Data Charge	\$0.10 per A4 page	See clause 27.4(c)(ii).

# **SCHEDULE 5**

## Forms for EBB

1. EBB System Agreement
2. Request for Service
3. Request for Credit and Financial Information
4. Acknowledgement of Receipt of Complete Complying Request for Service (FT, IT, Non-Specified)
5. Rejection of Request for Service (FT, IT, Non-Specified)
- ~~6. Notification of Enrolment in Queue~~
- ~~7.6.~~ Request for Confirmation to Remain in Queue
- ~~8. Notification of Estimated Capital Contribution for a Single Prospective User~~
- ~~9. Notification of Range for Indicative Capital Contribution and Provision of Notified Capital Contribution~~
- ~~10. Notification of Estimated Capital Contribution to Notifying Users~~
- ~~11.7.~~ Notification of Removal of Prospective User from Queue (FT, IT, Non-Specified)
- ~~12.8.~~ Notification of Retention Allowance (FT, IT)
- ~~13.9.~~ Monthly Forecast for Year (FT)
- ~~14.10.~~ Daily Forecast for Month (FT)
- ~~15.11.~~ Initial Delivery Nominations (FT)
- ~~16.12.~~ Confirmation of Initial Delivery Nominations (FT)
- ~~17. Notification of Remaining Secondary Capacity (FT and IT)~~
- ~~18. Amendment of Nominations for Secondary Capacity Quantities (FT)~~
- ~~19.13.~~ Notification of Initial Nominated Receipt and Delivery Quantities (FT)
- ~~20.14.~~ Notification of Final Nominated Receipt and Delivery Quantities (FT, IT)
- ~~21.15.~~ Request for Authorised Variation (FT, IT)
- ~~22.16.~~ Response to Request for Authorised Variation (FT, ~~and~~IT)
- ~~17.~~ Notification of Capacity Possibly Available for IT Service (IT)
- ~~18.~~ Notification of Capacity Available for IT Service (IT)
- ~~23.19.~~ Initial Delivery Nominations for IT Service (IT)
- ~~20.~~ Confirmation of Initial Delivery Nominations (IT)
- ~~21.~~ Notification of Initial Nominated Receipt and Delivery Quantities (IT)
- ~~24. Determination of Initial Nominated Delivery Quantities (IT)~~
- ~~25. Notification of Remaining IT Capacity (IT)~~
- ~~26. Amendment of Nomination for Remaining IT Capacity (IT)~~
- ~~27.22.~~ Notification of Scheduled Quantities (FT, ~~and~~IT)
- ~~28.23.~~ Notification of Zone Variation (FT, ~~and~~IT)
- ~~29.24.~~ Notification of Imbalance (FT, ~~and~~IT)
- ~~30.25.~~ Notification of Imbalance Trade (FT, ~~and~~IT)
- ~~31. Confirmation of Receipt Point Quantities for Prior Day (FT and IT)~~
- ~~32. Confirmation of Supply of Initial Nominated Receipt Point Quantity (FT and IT)~~
- ~~33.26.~~ Notification of Real Time Date and Excess Imbalance (FT, ~~and~~IT)
- ~~34.27.~~ Notification of Curtailment (FT, ~~and~~IT)
- ~~35.28.~~ Notification of an OFO (FT, ~~and~~IT)
- ~~36.29.~~ Notification of Marketable FT Parcel Capacity Release (FT)
- ~~37.30.~~ Acceptance of Marketable FT Parcel Released ~~Capacity~~ (FT)
- ~~38.31.~~ Notification of Release of IT Marketable IT Parcel Release (IT)
- ~~39.32.~~ Acceptance of Release of IT Marketable IT Parcel Release (IT)
- ~~40.33.~~ Capacity Release - Register of Marketable Parcels on Offer (FT, ~~and~~IT)
- ~~41.34.~~ Request for EBB Back-up Data (FT, ~~and~~IT)
- ~~42.35.~~ Notification of Abandonment of Receipt Point or Delivery Point (FT, ~~and~~



IT)

**EBB SYSTEM AGREEMENT**  
**(clause 27.2(b))**

FORM 1

**AGREEMENT** dated

**BETWEEN EPIC ENERGY SOUTH AUSTRALIA PTY LIMITED**  
(ACBN 54 068 599 815) ('Service Provider')

**AND THE PERSON DESCRIBED IN ITEM 1 OF THE SCHEDULE ('EBB User')**

**RECITALS**

- A. The EBB User has requested access to the EBB which has been established by the Service Provider to assist it in providing Services on the Pipeline System.
- B. The Service Provider has agreed to allow the EBB User to access and use the EBB on the terms and conditions of this Agreement.

**AGREEMENT**

**1. INTERPRETATION**

In this Agreement, unless the contrary intention appears:

- (a) '**Agreement**' means this EBB System Agreement;
- (b) words defined in the Access Arrangement have the same meanings in this Agreement;
- (c) '**Access Arrangement**' means the Access Arrangement for the Pipeline System submitted by the Service Provider pursuant to the Code and approved by the Regulator as varied from time to time (a copy of which, in its current form as at the date of this Agreement, the User acknowledges having received); and
- (d) the interpretation provisions in clause 43.2, and the miscellaneous provisions in clause 42, of the Access Arrangement, apply to this Agreement.

**2. EBB SERVICE**

The Service Provider will provide access to the EBB User, and the EBB User will use the EBB:

- (a) only for the purposes described in the Access Arrangement; and
- (b) in accordance with this Agreement and the relevant provisions of the Access Arrangement.

**3. EBB CHARGE**

The EBB User will pay an EBB User Charge of \$25 upon the execution of this Agreement.

#### 4. **EBB USER'S OBLIGATIONS**

4.1 The EBB User must:

- (a) abide by the rules for the use of the EBB set out in Schedule 1 (as varied from time to time by the Service Provider and posted by it on the EBB);
- (b) confine its use of the EBB to purposes necessary to meet its obligations, and to exercise its rights, under its own contract(s) for Services;
- (c) only seek access to information that is either:
  - (i) specific to the EBB User; or
  - (ii) relevant to all EBB Users;
- (d) not, and not attempt to:
  - (i) corrupt; or
  - (ii) interfere with,  
the operation of the EBB; and
- (e) implement appropriate security procedures in relation to:
  - (i) its EBB User ID and password (each of which are set out in Schedule 2); and
  - (ii) its access to the EBB,  
to prevent unauthorised access to its information or to the EBB.

4.2 The EBB User acknowledges and agrees that:

~~(a) the Service Provider would incur significant costs, expenses and inconvenience if the EBB User were to breach any of its obligations in clause 4.1; and~~

~~(b) accordingly, the EBB User will indemnify the Service Provider from and against all losses (including direct, indirect and consequential losses), costs, damages, expenses and penalties that may be suffered or incurred by the Service Provider as a result of, or in connection with, any breach of any of these obligations.~~

#### 5. **TERM**

This Agreement will commence on the date of its execution and will terminate on the earlier to occur of:

- (a) the date that the EBB User enters into a contract for Services with the Service Provider;
- (b) the date that the EBB User withdraws an FT Request or IT Request

lodged by it with the Service Provider; or

- (c) the date of a notice of termination from the Service Provider (which may be issued if the EBB User breaches any of its obligations under this Agreement).

**EXECUTED** as an agreement.

**SIGNED** for and on behalf of the )  
**SERVICE PROVIDER** by a duly )  
 authorised officer in the presence of: )

.....  
Signature of witness

.....  
Signature of officer

.....  
Name of witness

.....  
Name of officer

.....  
Office held

.....  
Title/position of officer

**SIGNED** for and on behalf of the **EBB** )  
**USER** by a duly authorised officer in )  
 the presence of: )

.....  
Signature of witness

.....  
Signature of officer

.....  
Name of witness

.....  
Name of officer

.....  
Office held

.....  
Title/position of officer

# **SCHEDULE 1**

## **Rules for Use of the EBB**

## SCHEDULE 2

### EBB User ID and Password

***[This information will be confidential to the EBB User. Schedule 2 will be filed separately by the Service Provider in its records.]***



- 2.9 Pipeline or Station Access Restrictions (if any): .....
- 2.10 Land Area or Ownership Restrictions (if any): .....
- 2.11 Special Requirements (if any): .....

**3. TO BE COMPLETED WHERE FACILITIES TO BE PROVIDED BY USER**

- 3.1 Description and Design of Measuring Equipment (in accordance with clause 28 of Access Arrangement) (must be attached).
- 3.2 User Control Room Available? - Yes / No.
- 3.3 User UPS Power (24V) Available?- Yes / No.

Signed for and on behalf of the User by a duly authorised officer in the presence of:

.....  
Signature of Authorised Officer

.....  
Signature of Witness

.....  
Name of Authorised Officer

.....  
Name of witness

.....  
Position/Title of Authorised Officer





# Acknowledgement of Receipt of ~~Complete~~ Complying Request for Service

(~~FT and Service~~, IT Service, Non-Specified Service)

(Clauses 6.5, ~~and~~ 7.4, 7A.4 and 10.1)

User Name: \_\_\_\_\_

Date: \_\_\_\_\_

User ID \_\_\_\_\_

Time: \_\_\_\_\_

Date and Time Request Received	Identification No	Details

~~IT Request Only~~

~~New Facilities are/are not required~~

~~FT Request Only~~

~~The availability or otherwise of Spare Capacity will be determined on 1 July \_\_\_\_\_. Your request has been placed in the queue and further notification will be provided before \_\_\_\_\_.~~

~~1. Your position in the queue is \_\_\_\_\_~~

~~2. The aggregate Capacity sought under Complying Requests which are ahead in the queue is \_\_\_\_\_~~

~~3. Spare Capacity is available to satisfy your Request for Service.~~

~~OR Investigations are required to determine if Spare Capacity is available to satisfy your Request for Service. Those investigations will involve \_\_\_\_\_~~

~~OR No Spare Capacity is available to satisfy your Request for Service, and~~

~~(a) those aspects of your Request for Service that cannot be satisfied are \_\_\_\_\_~~

~~(b) Spare Capacity might possibly become available by \_\_\_\_\_~~

~~(c) the investigations required to be undertaken to determine the cost of developing Capacity are \_\_\_\_\_~~

~~(d) an indicative time schedule for completing the investigations is \_\_\_\_\_~~

~~(e) the costs which you will be required to meet in respect of the investigations are \_\_\_\_\_~~

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_

# Rejection of Request for Service

(FT ~~and Service~~, IT Service, Non-Specified Service)

(Clauses 6.4, ~~and 7.3~~ and 7A.3)

User Name: \_\_\_\_\_

Date: \_\_\_\_\_

User ID: \_\_\_\_\_

Time: \_\_\_\_\_

Date and Time Request Received	Identification No	Reason for Rejection

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_

~~NOTIFICATION OF ENROLMENT IN QUEUE  
(clauses 6.7 and 10.2)~~

~~To (ie Prospective User):  
Prospective User's Request No:  
Prospective User's Identification No:  
Date of this Notice:~~

~~1.(a) A queue for FT Service has been formed.~~

~~OR~~

~~(b) You have been placed in a queue with other FT Requests.~~

~~2. The aggregate amount of Capacity sought by queued Prospective Users is [\_\_\_\_\_].~~

~~3. The Service Provider's current estimate of when Spare Capacity may become available to satisfy all currently queued requests for FT Service is [\_\_\_\_\_].~~

~~4. A Capital Contribution in the vicinity of [\$\_\_\_\_\_] would be likely to be payable if New Facilities were constructed to satisfy all currently queued requests for FT Service. (Note that this amount is nothing more than an indication and is not binding on the Service Provider.)~~

~~You are reminded that the process for clearing the queue each year begins on 1 July.~~

REQUEST FOR CONFIRMATION TO REMAIN IN QUEUE  
(clause ~~10.2(d)~~10.3(b))

To (ie Prospective User):  
Prospective User's Request No:  
Prospective User's Identification No:  
Date of this Notice:

Do you wish to remain in the queue with your ~~FT~~Request for Service? Yes/No

**NOTE:** If a reply is not received by [*insert date being 14 Days after the date of this notice*] your ~~FT~~Request for Service will lapse and it will be removed from the queue.

**~~NOTIFICATION OF ESTIMATED CAPITAL CONTRIBUTION FOR A SINGLE PROSPECTIVE USER (clause 10.3(a))~~**

~~To (ie Prospective User):  
Prospective User's Request No:  
Prospective User's Identification No:  
Date of this Notice:~~

~~Having completed a study to determine the estimated cost of constructing New Facilities to meet your FT Request/IT Request, the Service Provider gives notice of the following:~~

**~~1. Nature of Proposed New Facilities~~**

~~.....  
.....  
.....~~

**~~2. Proposed Timetable for Constructing New Facilities~~**

~~.....  
.....  
.....~~

**~~3. Estimated Capital Contribution~~**

~~.....  
.....  
.....~~

~~If you wish to have your FT Request/IT Request satisfied by the Service Provider constructing the proposed New Facilities **YOU MUST** by completing the acceptance below — notify the Service Provider by [*insert date that is 14 Days after the date of this notice*] of your acceptance of the Service Provider's offer, made in accordance with clause 10.3(a)(vi) of the Access Arrangement, to construct the New Facilities to satisfy your FT Request/IT Request. If you do complete the acceptance you will have **COMMITTED** to contract for FT Service/IT Service on the terms set out in clause 10.3(a)(vi) of the Access Arrangement.~~

~~If you reject the offer, or do not accept within the 14 Day period, then:~~

~~(a) if you requested FT Service, you will remain in the queue;~~

~~(b)if you requested IT Service, your request will lapse and be deemed not to have been received.~~

---

~~The Service Provider's offer is accepted and the Capital Contribution will be paid in accordance with clause 10.3(a)(vi) of the Access Arrangement.~~

.....  
~~Authorised Officer — signature~~

.....  
~~Authorised Officer — name~~

.....  
~~Date~~

~~An FT Service Contract/IT Service Contract will be forwarded to you for execution. You must execute and return the contract within 10 days of its receipt by you.~~

**NOTIFICATION OF RANGE FOR INDICATIVE CAPITAL CONTRIBUTION AND  
PROVISION OF NOTIFIED CAPITAL CONTRIBUTION  
(clause 10.4(e))**

~~To (ie Prospective User):  
Prospective User's Request No:  
Prospective User's Identification No:  
Date of this Notice:~~

Having completed a preliminary study to determine the indicative total cost of constructing New Facilities to meet the FT Requests of all persons in the queue as at 1 July [*insert year*], the Service Provider gives notice of the following:

**1. Nature of proposed New Facilities**

.....  
.....  
.....

**2. Indicative Timetable for constructing New Facilities**

.....  
.....  
.....

**3. Range (ie indicative range for Capital Contribution)**

.....

If you wish to have your FT Request satisfied by the Service Provider constructing the proposed New Facilities **YOU MUST** by completing the section below — notify the Service Provider by [*insert date that is 14 Days after the date of this notice*] of the amount that you would be prepared to pay as a Capital Contribution (ie the 'Notified Capital Contribution'). If you do complete the section below, and if your Notified Capital Contribution is equal to or greater than the Estimated Capital Contribution that the Service Provider will subsequently calculate, you will have **COMMITTED** to contract for FT Service on the terms set out in clause 10.4 of the Access Arrangement. If you do not reply within 14 days, your FT Request will be returned to the queue.



My Notified Capital Contribution is: .....

Signature of Authorised Officer: .....

Name of Authorised Officer: .....

Date: .....



**NOTIFICATION OF ESTIMATED CAPITAL CONTRIBUTION TO  
NOTIFYING USERS  
(clause 10.4(g))**

~~To (ie Notifying User):  
Notifying User's Request No:  
Notifying User's Identification No:  
Date of this Notice:~~

~~Having completed a detailed study to determine the estimated total cost of constructing New Facilities in order to meet the FT Requests of all persons having given a Notified Surcharge (including you), the Service Provider gives notice of the following:~~

**~~1. Nature of New Facilities to be constructed~~**

~~.....  
.....  
.....~~

**~~2. Proposed timetable for constructing New Facilities~~**

~~.....  
.....  
.....~~

**~~3. Estimated Capital Contribution~~**

~~.....~~

**~~4. Your category~~**

~~(a) As the Notified Capital Contribution that you gave is equal to or greater than the Estimated Capital Contribution, your FT Request will be satisfied and a contract, which you must sign within 10 days of receiving it, will be forwarded to you shortly.\*~~

~~OR~~

~~(b) As the Notified Capital Contribution that you gave was less than the Estimated Capital Contribution, your FT Request will not be satisfied and your FT Request will remain in the queue.\*~~

~~(\*Delete whichever is inapplicable)~~

# Notification of Removal of Prospective User from Queue

(FT ~~Service, and~~ IT Service, **Non-Specified Service**)

(Clauses ~~8.2, 10.2(d)~~ 8.1(b), 8.2(c), 10.3(b) and 10.3(c))

User Name: \_\_\_\_\_

Date: \_\_\_\_\_

User ID: \_\_\_\_\_

Time: \_\_\_\_\_

Identification No: \_\_\_\_\_

Type of Service: ~~IT~~ or FT

Reason for removal from queue:

(a) Lapse of Request for ~~IT~~ Service (clause ~~8.2~~ 8.1(b))

(b) Lapse of Request for Service (clause 8.2(c))

~~(b)(c)~~ Prospective User has not confirmed it wishes to remain in queue and ~~IT~~ Request for Service has lapsed (clause ~~10.2(d)~~ 10.3(b)).

~~(c) Prospective User has rejected offer for construction of New Facilities to satisfy IT request (clause 10.3(c)(i)).~~

~~(d) Prospective User has not notified acceptance of offer for construction of New Facilities to satisfy IT request (clause 10.3(c)(ii)).~~

(d) Prospective User has notified Service Provider that it does not wish to proceed with its Request for Service (clause 10.3(c)).

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_

# Notification of Retention Allowance Percentage

(FT Service, **IT Service**)

(Clause 17.3)

User Name: \_\_\_\_\_ Date: \_\_\_\_\_

User ID: \_\_\_\_\_ Time: \_\_\_\_\_

For day \_\_\_\_\_

Notification of Retention Allowance	RA Quantity
%	(TJ)

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_

# Monthly Forecast for Year

## (FT Service)

(Clause 18.1(b))

Forecast for the 12 Months Starting 01/01

User Name: \_\_\_\_\_

Date: \_\_\_\_\_

User ID: \_\_\_\_\_

Time: \_\_\_\_\_

Mainline Delivery Points	Forecast (TJ)												Total
	January	February	March	April	May	June	July	August	September	October	November	December	
Peterborough													
Burra													
Mintaro													
Wasleys Farm													
Virginia													
Adelaide Metro													
Dry Creek													
Torrens Island													
Osborne													
Penfield Roses													
Hi-Tech Hydroponics													
<b>Zone Total</b>													
<b>Iron Triangle Delivery Points</b>													
Port Pirie													
Port Bonython													
Whyalla Township													
Whyalla BHP													
Whyalla BHP Cogeneration													
Pacific Salt													
<b>Zone Total</b>													
<b>Barossa Delivery Points</b>													
Freeling													
Nuriootpa													
Sheoak Log													
Angaston Township													
Angaston Cement													
Angaston Riverland													
<b>Zone Total</b>													
<b>Total</b>													

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_

Note: Adelaide Metro Delivery Point is the sum of Elizabeth, Gepps Cross and Taperoo

# Daily Forecast for Month

(FT Service)

(Clause 18.1(c))

Forecast of the quantities of Gas for the Month \_\_\_\_\_

User Name: \_\_\_\_\_ Date: \_\_\_\_\_

User ID: \_\_\_\_\_ Time: \_\_\_\_\_

	Forecast (TJ)																																
Mainline Delivery Points	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	
Peterborough																																	
Burra																																	
Mintaro																																	
Wasleys Farm																																	
Virginia																																	
Adelaide Metro																																	
Dry Creek																																	
Torrens Island																																	
Osborne																																	
Penfield Roses																																	
Hi-Tech Hydroponics																																	
<b>Zone Total</b>																																	
<b>Iron Triangle Delivery Points</b>																																	
Port Pirie																																	
Port Bonython																																	
Whyalla Township																																	
Whyalla BHP																																	
Whyalla BHP Cogeneration																																	
Pacific Salt																																	
<b>Zone Total</b>																																	
<b>Barossa Delivery Points</b>																																	
Freeling																																	
Nuriootpa																																	
Sheoak Log																																	
Angaston Township																																	
Angaston Cement																																	
Angaston Riverland																																	
<b>Zone Total</b>																																	
<b>Total</b>																																	

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_

# Initial Delivery Nominations

## (FT Service)

(Clause 18.3(b))

UserName: \_\_\_\_\_ Date: \_\_\_\_\_

User ID: \_\_\_\_\_ Time: \_\_\_\_\_

Notification for the Day \_\_\_\_\_

	Nomination		TotalNomination (TJ)
	Primary (TJ)	Secondary	
<b>Mainline Delivery Points</b>			
Peterborough			
Burra			
Mintaro			
Wasleys Farm			
Virginia			
Adelaide Metro			
Dry Creek			
Torrens Island			
Osborne			
Penfield Roses			
Hi-Tech Hydroponics			
<b>Zone Total</b>			
<b>Iron Triangle Delivery Points</b>			
Port Pirie			
Port Bonython			
Whyalla Township			
Whyalla BHP			
Whyalla BHP Cogeneration			
Pacific Salt			
<b>Zone Total</b>			
<b>Barossa Delivery Points</b>			
Freeling			
Nuriootpa			
Sheoak Log			
Angaston Township			
Angaston Cement			
Angaston Riverland			
<b>Zone Total</b>			
<b>Total Delivery Points</b>			

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_

# Confirmation of Initial Delivery Nominations

## (FT Service)

(Clause 18.3(d)(+))

Epic Energy acknowledges the receipt of Initial Nominations for the Day \_\_\_\_\_ User Name: \_\_\_\_\_ Date: \_\_\_\_\_

User ID: \_\_\_\_\_ Time: \_\_\_\_\_

	Nomination		Total Nomination (TJ)
	Primary (TJ)	Secondary	
<b>Mainline Delivery Points</b>			
Peterborough			
Burra			
Mintaro			
Wasleys Farm			
Virginia			
Adelaide Metro			
Dry Creek			
Torrens Island			
Osborne			
Penfield Roses			
Hi-Tech Hydroponics			
<b>Zone Total</b>			
<b>Iron Triangle Delivery Points</b>			
Port Pirie			
Port Bonython			
Whyalla Township			
Whyalla BHP			
Whyalla BHP Cogeneration			
Pacific Salt			
<b>Zone Total</b>			
<b>Barossa Delivery Points</b>			
Freeling			
Nuriootpa			
Sheoak Log			
Angaston Township			
Angaston Cement			
Angaston Riverland			
<b>Zone Total</b>			
<b>Total Delivery Points</b>			

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_

# Notification of Remaining Secondary Capacity

(FT and IT Service) \_\_\_\_\_ User Name: \_\_\_\_\_ Date: \_\_\_\_\_  
 (Clauses 18.3(d)(ii) and 18.5(c)) \_\_\_\_\_

\_\_\_\_\_ User ID: \_\_\_\_\_ Time: \_\_\_\_\_

Notification of Remaining Secondary Capacity for the Day \_\_\_\_\_

	Remaining Capacity (TJ)
<b>Mainline Delivery Points</b>	
Peterborough	
Burra	
Mintaro	
Wasleys Farm	
Virginia	
Adelaide Metro	
Dry Creek	
Ferrens Island	
Osborne	
Penfield-Roses	
Hi Tech Hydroponics	
<b>Zone Total</b>	
<b>Iron Triangle Delivery Points</b>	
Port Pirie	
Port Bonython	
Whyalla Township	
Whyalla BHP	
Whyalla BHP Cogeneration	
Pacific Salt	
<b>Zone Total</b>	
<b>Barossa Delivery Points</b>	
Freeling	
Nuriootpa	
Sheoak Log	
Angaston Township	
Angaston Cement	
Angaston Riverland	
<b>Zone Total</b>	
<b>Total Delivery Points</b>	

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_



# Amendment of Nominations for Secondary Capacity Quantities

(FT Service)

User Name: \_\_\_\_\_

Date: \_\_\_\_\_

(Clause 18.3(e)) \_\_\_\_\_

User ID: \_\_\_\_\_

Time: \_\_\_\_\_

Amendment of Nomination for Secondary Capacity Quantities for the Day \_\_\_\_\_

	Previous Nomination	Amended Nomination
<b>Mainline Delivery Points</b>	(TJ)	
Peterborough		
Burre		
Mintaro		
Waeleys Farm		
Virginia		
Adelaide Metro		
Dry Creek		
Torrens Island		
Osborne		
Penfield Reses		
Hi Tech Hydroponics		
<b>Zone Total</b>		
<b>Iron Triangle Delivery Points</b>		
Port Pirie		
Port Bonython		
Whyalla Township		
Whyalla BHP		
Whyalla BHP Cogeneration		
Pacific Salt		
<b>Zone Total</b>		
<b>Barossa Delivery Points</b>		
Freeling		
Nuriootpa		
Sheeak Leg		
Angaston Township		
Angaston Cement		
Angaston Riverland		
<b>Zone Total</b>		
<b>Total</b>		

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_

# Notification of Initial Nominated Receipt and Delivery Quantities

(FT Service)

(Clause 18.3~~(f)~~(e))

User Name: \_\_\_\_\_ Date: \_\_\_\_\_

User ID: \_\_\_\_\_ Time: \_\_\_\_\_

Notification for the Day \_\_\_\_\_

Mainline Delivery Points	Nomination		Total Nomination (TJ)
	Primary	Secondary	
Peterborough			
Burra			
Mintaro			
Wasleys Farm			
Virginia			
Adelaide Metro			
Dry Creek			
Torrens Island			
Osborne			
Penfield Roses			
Hi-Tech Hydroponics			
<b>Zone Total</b>			
<b>Iron Triangle Delivery Points</b>			
Port Pirie			
Port Bonython			
Whyalla Township			
Whyalla BHP			
Whyalla BHP Cogeneration			
Pacific Salt			
<b>Zone Total</b>			
<b>Barossa Delivery Points</b>			
Freeling			
Nuriootpa			
Sheoak Log			
Angaston Township			
Angaston Cement			
Angaston Riverland			
<b>Zone Total</b>			
<b>Total Delivery Points</b>			
<b>Moomba Receipt Points</b>			
Moomba Plant			
EAPL Interconnect			
<b>Total Receipt Points</b>			

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_

# Notification of Final Nominated Receipt and Delivery Quantities

(FT Service, IT Service)

(Clauses 18.4(b) – (d) and 18.5(i) – (k))

User Name: \_\_\_\_\_ Date: \_\_\_\_\_

Notification of Final Nominated Quantities for the Day \_\_\_\_\_

User ID: \_\_\_\_\_ Time: \_\_\_\_\_

	Final Nominated Quantity		Final Nominated Quantity (TJ) Total
	Primary	Secondary	
<b>Mainline Delivery Points</b>	(TJ)		
Peterborough			
Burra			
Mintaro			
Wasleys Farm			
Virginia			
Adelaide Metro			
Dry Creek			
Torrens Island			
Osborne			
Penfield Roses			
Hi-Tech Hydroponics			
<b>Zone Total</b>			
<b>Iron Triangle Delivery Points</b>			
Port Pirie			
Port Bonython			
Whyalla Township			
Whyalla BHP			
Whyalla BHP Cogeneration			
Pacific Salt			
<b>Zone Total</b>			
<b>Barossa Delivery Points</b>			
Freeling			
Nuriootpa			
Sheoak Log			
Angaston Township			
Angaston Cement			
Angaston Riverland			
<b>Zone Total</b>			
<b>Total Delivery Points</b>			
<b>Moomba Receipt Points</b>			
Moomba Plant			
EAPL Interconnect			
<b>Total Receipt Points</b>			

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_

# Request for Authorised Variation

(FT **Service**, IT Service)

(Clause 18.7)

User Name: \_\_\_\_\_ Date: \_\_\_\_\_

User ID: \_\_\_\_\_ Time: \_\_\_\_\_

Request for the Authorised Variation to Final Nominated Quantities for the Day \_\_\_\_\_

	Nomination		Total Nomination (TJ)
	Nomination Primary (TJ)	Secondary	
<b>Mainline Delivery Points</b>			
Peterborough			
Burra			
Mintaro			
Wasleys Farm			
Virginia			
Adelaide Metro			
Dry Creek			
Torrens Island			
Osborne			
Penfield Roses			
Hi-Tech Hydroponics			
<b>Zone Total</b>			
<b>Iron Triangle Delivery Points</b>			
Port Pirie			
Port Bonython			
Whyalla Township			
Whyalla BHP			
Whyalla BHP Cogeneration			
Pacific Salt			
<b>Zone Total</b>			
<b>Barossa Delivery Points</b>			
Freeling			
Nuriootpa			
Sheoak Log			
Angaston Township			
Angaston Cement			
Angaston Riverland			
<b>Zone Total</b>			
<b>Total Delivery Points</b>			
<b>Moomba Receipt Points</b>			
Moomba Plant			
EAPL Interconnect			
<b>Total Receipt Points</b>			

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_

# Response to Request for Authorised Variation

(FT **Service**, IT Service)

(Clause 18.7)

User Name: \_\_\_\_\_

Date: \_\_\_\_\_

User ID: \_\_\_\_\_

Time: \_\_\_\_\_

Authorised Variation to Final Nominated Quantities Requested for the Day \_\_\_\_\_

Your Request has been:

- (a) approved;
- (b) partially approved;
- (c) rejected.

Final Scheduled Quantities are as follows:

	<b>Scheduled Quantities</b>		<b>Total Scheduled Quantity (TJ)</b>
	<b>Primary</b>	<b>Secondary</b>	
<b>Mainline Delivery Points</b>	<b>(TJ)</b>		
Peterborough			
Burra			
Mintaro			
Wasleys Farm			
Virginia			
Adelaide Metro			
Dry Creek			
Torrens Island			
Osborne			
Penfield Roses			
Hi-Tech Hydroponics			
<b>Zone Total</b>			
<b>Iron Triangle Delivery Points</b>			
Port Pirie			
Port Bonython			
Whyalla Township			
Whyalla BHP			
Whyalla BHP Cogeneration			
Pacific Salt			
<b>Zone Total</b>			
<b>Barossa Delivery Points</b>			
Freeling			
Nuriootpa			
Sheoak Log			
Angaston Township			
Angaston Cement			
Angaston Riverland			
<b>Zone Total</b>			
<b>Total Delivery Points</b>			
<b>Moomba Receipt Points</b>			
Moomba Plant			
EAPL Interconnect			
<b>Total Receipt Points</b>			

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_

# Notification of Capacity Possibly Available for IT Service

## (IT Service)

(Clause 18.5(c))

User Name: \_\_\_\_\_ Date: \_\_\_\_\_

User ID: \_\_\_\_\_ Time: \_\_\_\_\_

Notification for the Day \_\_\_\_\_

	Quantity
<b>Mainline Delivery Points</b>	(TJ)
<u>Peterborough</u>	
<u>Burra</u>	
<u>Mintaro</u>	
<u>Wasleys Farm</u>	
<u>Virginia</u>	
<u>Adelaide Metro</u>	
<u>Dry Creek</u>	
<u>Torrens Island</u>	
<u>Osborne</u>	
<u>Penfield Roses</u>	
<u>Hi-Tech Hydroponics</u>	
<b>Zone Total</b>	
<b>Iron Triangle Delivery Points</b>	
<u>Port Pirie</u>	
<u>Port Bonython</u>	
<u>Whyalla Township</u>	
<u>Whyalla BHP</u>	
<u>Whyalla BHP Cogeneration</u>	
<u>Pacific Salt</u>	
<b>Zone Total</b>	
<b>Barossa Delivery Points</b>	
<u>Freeling</u>	
<u>Nuriootpa</u>	
<u>Sheoak Log</u>	
<u>Angaston Township</u>	
<u>Angaston Cement</u>	
<u>Angaston Riverland</u>	
<b>Zone Total</b>	
<b>Total Delivery Points</b>	

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_

# Notification of Capacity Available for IT Service

## (IT Service)

(Clause 18.5(d))

User Name: \_\_\_\_\_ Date: \_\_\_\_\_

User ID: \_\_\_\_\_ Time: \_\_\_\_\_

Notification for the Day \_\_\_\_\_

	Quantity
<b>Mainline Delivery Points</b>	<b>(TJ)</b>
Peterborough	
Burra	
Mintaro	
Wasleys Farm	
Virginia	
Adelaide Metro	
Dry Creek	
Torrens Island	
Osborne	
Penfield Roses	
Hi-Tech Hydroponics	
<b>Zone Total</b>	
<b>Iron Triangle Delivery Points</b>	
Port Pirie	
Port Bonython	
Whyalla Township	
Whyalla BHP	
Whyalla BHP Cogeneration	
Pacific Salt	
<b>Zone Total</b>	
<b>Barossa Delivery Points</b>	
Freeling	
Nuriootpa	
Sheoak Log	
Angaston Township	
Angaston Cement	
Angaston Riverland	
<b>Zone Total</b>	
<b>Total Delivery Points</b>	

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_

# Initial Delivery Nominations for IT Service

## (IT Service)

(Clause 18.5~~(de)~~)

User Name: \_\_\_\_\_ Date: \_\_\_\_\_

User ID: \_\_\_\_\_ Time: \_\_\_\_\_

Notification of Initial Nominations for IT Service for the Day \_\_\_\_\_

	Nominated Quantity
<b>Mainline Delivery Points</b>	<b>(TJ)</b>
Peterborough	
Burra	
Mintaro	
Wasleys Farm	
Virginia	
Adelaide Metro	
Dry Creek	
Torrens Island	
Osborne	
Penfield Roses	
Hi-Tech Hydroponics	
<b>Zone Total</b>	
<b>Iron Triangle Delivery Points</b>	
Port Pirie	
Port Bonython	
Whyalla Township	
Whyalla BHP	
Whyalla BHP Cogeneration	
Pacific Salt	
<b>Zone Total</b>	
<b>Barossa Delivery Points</b>	
Freeling	
Nuriootpa	
Sheoak Log	
Angaston Township	
Angaston Cement	
Angaston Riverland	
<b>Zone Total</b>	
<b>Total Delivery Points</b>	

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_



# Confirmation of Initial Delivery Nominations

(IT Service)

(Clause 18.3(f))

User Name: \_\_\_\_\_ Date: \_\_\_\_\_

Notification for the Day \_\_\_\_\_

User ID: \_\_\_\_\_ Time: \_\_\_\_\_

	Nomination (TJ)
<b>Mainline Delivery Points</b>	
Peterborough	
Burra	
Mintaro	
Wasleys Farm	
Virginia	
Adelaide Metro	
Dry Creek	
Torrens Island	
Osborne	
Penfield Roses	
Hi-Tech Hydroponics	
<b>Zone Total</b>	
<b>Iron Triangle Delivery Points</b>	
Port Pirie	
Port Bonython	
Whyalla Township	
Whyalla BHP	
Whyalla BHP Cogeneration	
Pacific Salt	
<b>Zone Total</b>	
<b>Barossa Delivery Points</b>	
Freeling	
Nuriootpa	
Sheoak Log	
Angaston Township	
Angaston Cement	
Angaston Riverland	
<b>Zone Total</b>	
<b>Total Delivery Points</b>	

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_

# Notification of Initial Nominated Receipt and Delivery Quantities

## (IT Service)

(Clause 18.5(g))

Notification for the Day \_\_\_\_\_

User Name: \_\_\_\_\_

Date: \_\_\_\_\_

User ID: \_\_\_\_\_

Time: \_\_\_\_\_

	Nomination (TJ)
<b>Mainline Delivery Points</b>	
Peterborough	
Burra	
Mintaro	
Wasleys Farm	
Virginia	
Adelaide Metro	
Dry Creek	
Torrens Island	
Osborne	
Penfield Roses	
Hi-Tech Hydroponics	
<b>Zone Total</b>	
<b>Iron Triangle Delivery Points</b>	
Port Pirie	
Port Bonython	
Whyalla Township	
Whyalla BHP	
Whyalla BHP Cogeneration	
Pacific Salt	
<b>Zone Total</b>	
<b>Barossa Delivery Points</b>	
Freeling	
Nuriootpa	
Sheoak Log	
Angaston Township	
Angaston Cement	
Angaston Riverland	
<b>Zone Total</b>	
<b>Total Delivery Points</b>	

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_

# Determination of Initial Nominated Delivery Quantities

User Name: \_\_\_\_\_ Date: \_\_\_\_\_

(IT Service) \_\_\_\_\_

(Clause 18.5(e)(i)) \_\_\_\_\_ User ID: \_\_\_\_\_ Time: \_\_\_\_\_

The Initial Nominated Delivery Quantities for the Day \_\_\_\_\_ are:

	Nomination	Allocation
<b>Mainline Delivery Points</b>	(TJ)	
Peterborough		
Burra		
Mintaro		
Wasleys Farm		
Virginia		
Adelaide Metro		
Dry Creek		
Torrans Island		
Osborne		
Penfield-Roses		
Hi-Tech Hydroponics		
<b>Zone Total</b>		
<b>Iron Triangle Delivery Points</b>		
Port Pirie		
Port Bonython		
Whyalla Township		
Whyalla BHP		
Whyalla BHP Cogeneration		
Pacific Salt		
<b>Zone Total</b>		
<b>Barossa Delivery Points</b>		
Freeling		
Nuriootpa		
Sheoak Log		
Angaston Township		
Angaston Cement		
Angaston Riverland		
<b>Zone Total</b>		
<b>Total Delivery Points</b>		

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_

# Notification of Remaining IT Capacity

(IT Service) \_\_\_\_\_

User Name: \_\_\_\_\_

Date: \_\_\_\_\_

(Clause 18.5(e)(iii)) \_\_\_\_\_

User ID: \_\_\_\_\_

Time: \_\_\_\_\_

Notification of Remaining IT Capacity for the Day \_\_\_\_\_

	Remaining IT Capacity
<b>Mainline Delivery Points</b>	(TJ)
Peterborough	
Burra	
Mintaro	
Waseleys Farm	
Virginia	
Adelaide Metro	
Dry Creek	
Forrens Island	
Osborne	
Penfield Reses	
Hi Tech Hydroponics	
<b>Zone Total</b>	
<b>Iron Triangle Delivery Points</b>	
Port Pirie	
Port Bonython	
Whyalla Township	
Whyalla BHP	
Whyalla BHP Cogeneration	
Pacific Salt	
<b>Zone Total</b>	
<b>Barossa Delivery Points</b>	
Freeling	
Nuriootpa	
Sheoak Log	
Angaston Township	
Angaston Cement	
Angaston Riverland	
<b>Zone Total</b>	
<b>Total Delivery Points</b>	

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_

# Amendment of Nominations for Remaining IT Capacity

(IT Service)

User Name: \_\_\_\_\_ Date: \_\_\_\_\_

(Clause 18.5(f))

User ID: \_\_\_\_\_ Time: \_\_\_\_\_

Notification of Increased/New Nominations for IT Service for the Day \_\_\_\_\_

	Original Nomination	Amended Nomination
	(TJ)	(TJ)
<b>Mainline Delivery Points</b>		
Peterborough		
Burra		
Mintaro		
Wasleys Farm		
Virginia		
Adelaide Metro		
Dry Creek		
Torrens Island		
Osborne		
Penfield Roses		
Hi Tech Hydroponics		
<b>Zone Total</b>		
<b>Iron Triangle Delivery Points</b>		
Port Pirie		
Port Bonython		
Whyalla Township		
Whyalla BHP		
Whyalla BHP Cogeneration		
Pacific Salt		
<b>Zone Total</b>		
<b>Barossa Delivery Points</b>		
Freeling		
Nuriootpa		
Sheoak Log		
Angaston Township		
Angaston Cement		
Angaston Riverland		
<b>Zone Total</b>		
<b>Total Delivery Points</b>		

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_

# Notification of Scheduled Quantities

(FT Service, IT Service)

(Clause 18.6)

FORM 27-22

User Name: \_\_\_\_\_

Date: \_\_\_\_\_

User ID: \_\_\_\_\_

Time: \_\_\_\_\_

Notification of Scheduled Quantities for the Day \_\_\_\_\_

	Scheduled Quantity		Total Scheduled Quantity (TJ)
	Primary	Secondary	
<b>Mainline Delivery Points</b>	<del>(TJ)</del>		
Peterborough			
Burra			
Mintaro			
Wasleys Farm			
Virginia			
Adelaide Metro			
Dry Creek			
Torrens Island			
Osborne			
Penfield Roses			
Hi-Tech Hydroponics			
<b>Zone Total</b>			
<b>Iron Triangle Delivery Points</b>			
Port Pirie			
Port Bonython			
Whyalla Township			
Whyalla BHP			
Whyalla BHP Cogeneration			
Pacific Salt			
<b>Zone Total</b>			
<b>Barossa Delivery Points</b>			
Freeling			
Nuriootpa			
Sheoak Log			
Angaston Township			
Angaston Cement			
Angaston Riverland			
<b>Zone Total</b>			
<b>Total Delivery Points</b>			
<b>Moomba Receipt Points</b>			
Moomba Plant			
EAPL Interconnect			
<b>Total Receipt Points</b>			

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No \_\_\_\_\_

**Notification of Zone Variation**  
**(FT Service, IT Service)**  
 (Clause 19.2(a))

User Name: \_\_\_\_\_ Date: \_\_\_\_\_

User ID: \_\_\_\_\_ Time: \_\_\_\_\_

Notification of Zone Variation for the day \_\_\_\_\_

	Metered Quantity	Nominated Quantity	Variation Quantity
	(TJ)	(TJ)	(TJ)
<b>Mainline Delivery Points</b>			
Peterborough			
Burra			
Mintaro			
Wasleys Farm			
Virginia			
Adelaide Metro			
Dry Creek			
Torrens Island			
Osborne			
Penfield Roses			
Hi-Tech Hydroponics			
<b>Zone Total</b>			
<b>Iron Triangle Delivery Points</b>			
Port Pirie			
Port Bonython			
Whyalla Township			
Whyalla BHP			
Whyalla BHP Cogeneration			
Pacific Salt			
<b>Zone Total</b>			
<b>Barossa Delivery Points</b>			
Freeling			
Nuriootpa			
Sheoak Log			
Angaston Township			
Angaston Cement			
Angaston Riverland			
<b>Zone Total</b>			
<b>Total</b>			

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_

# Notification of Imbalance

(FT Service, IT Service)

(Clause 19.2(a))

User Name: \_\_\_\_\_

Date: \_\_\_\_\_

User ID: \_\_\_\_\_

Time: \_\_\_\_\_

Notification of Imbalance for the Day \_\_\_\_\_

	Quantity (TJ)
<b>Mainline Delivery Points</b>	
Peterborough	
Burra	
Mintaro	
Wasleys Farm	
Virginia	
Adelaide Metro	
Dry Creek	
Torrens Island	
Osborne	
Penfield Roses	
Hi-Tech Hydroponics	
<b>Zone Total</b>	
<b>Iron Triangle Delivery Points</b>	
Port Pirie	
Port Bonython	
Whyalla Township	
Whyalla BHP	
Whyalla BHP Cogeneration	
Pacific Salt	
<b>Zone Total</b>	
<b>Barossa Delivery Points</b>	
Freeling	
Nuriootpa	
Sheoak Log	
Angaston Township	
Angaston Cement	
Angaston Riverland	
<b>Zone Total</b>	
<b>Total Deliveries</b>	
<b>Moomba Receipt Points</b>	
Moomba Plant	
EAPL Interconnect	
<b>Total Receipts</b>	
<b>Retention Allowance</b>	
<b>Imbalance = Total Receipts less Total Deliveries less Retention Allowance</b>	
<b>Excess Imbalance</b>	

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_





**Confirmation of Receipt Point Quantities for Prior Day**    **User Name:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**(FT & IT Service)**    **User ID:** \_\_\_\_\_ **Time:** \_\_\_\_\_

(Clauses 18.2 and 18.5(b))

Confirmation of Receipt Point Quantities for the Day \_\_\_\_\_

	Supply Quantity
Moomba Receipt Points	(TJ)
Moomba Plant	
EAPL Interconnect	

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_

# Confirmation of Supply of Initial Nominated Receipt Point Quantity

(FT & IT Service)

(Clauses 18.4(a) and 18.5(h))

User Name: \_\_\_\_\_

Date: \_\_\_\_\_

User ID: \_\_\_\_\_

Time: \_\_\_\_\_

Confirmation of Supply of Receipt Point Quantity for the Day \_\_\_\_\_

	Supply Quantity
Moomba Receipt Points	(TJ)
Moomba Plant	
EAPL Interconnect	

# Notification of Real Time Data and Excess Imbalance (FT Service, IT Service)

(Clauses 19.4 and 19.6)

Date: \_\_\_\_\_

Time: \_\_\_\_\_

	Maximum Capacity	Total Scheduled Quantities	Volume (GJ)			Pressure (kPa) at end of hour	Estimated to Day End	Anticipated Cut Off Time
			Hourly	Cumulative	Forecast			
<b>Mainline Delivery Points</b>								
Peterborough								
Burra								
Mintaro								
Wasleys Farm								
Virginia								
Adelaide Metro								
Dry Creek								
Torrens Island								
Osborne								
Penfield Roses								
Hi-Tech Hydroponics								
<b>Zone Total</b>								
<b>Iron Triangle Delivery Points</b>								
Port Pirie								
Port Bonython								
Whyalla Township								
Whyalla BHP								
Whyalla BHP Cogeneration								
Pacific Salt								
<b>Zone Total</b>								
<b>Barossa Delivery Points</b>								
Freeling								
Nuriootpa								
Sheoak Log								
Angaston Township								
Angaston Cement								
Angaston Riverland								
<b>Zone Total</b>								
<b>Total Delivery Points</b>								
<b>Moomba Receipt Points</b>								
Moomba Plant								
EAPL Interconnection								
<b>Total Receipt Points</b>								
<b>Retention Allowance</b>								
<b>Imbalance</b>								
<b>Excess Imbalance</b>								

**Notification of Curtailment****(FT Service, IT Service)**

(Clause 24.2)

User Name: \_\_\_\_\_

Issue Date: \_\_\_\_\_

User ID: \_\_\_\_\_

Issue Time: \_\_\_\_\_

Effective Date: \_\_\_\_\_

Effective Time: \_\_\_\_\_

Duration of Curtailment: \_\_\_\_\_

Affected Receipt Point(s) and/or Delivery Point(s):  
\_\_\_\_\_Reduced Quantity:  
\_\_\_\_\_Reason(s) for the Curtailment: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_Other Information: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_

# Notification of an OFO

(FT **Service**, IT Service)

(Clause 25.1)

User Name: \_\_\_\_\_

Issue Date: \_\_\_\_\_

User ID: \_\_\_\_\_

Issue Time: \_\_\_\_\_

Effective Date: \_\_\_\_\_

Effective Time: \_\_\_\_\_

Duration of OFO: \_\_\_\_\_

Names of Other Users affected by OFO:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Action required by User(s):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Reason(s) for the OFO:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Other Information:

\_\_\_\_\_  
\_\_\_\_\_

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_

# Notification of Marketable FT Parcel Capacity Release

(FT Service)  
(Clause 26.2(a))

Transaction Number: \_\_\_\_\_  
 User Name: \_\_\_\_\_ Date: \_\_\_\_\_  
 User ID: \_\_\_\_\_ Time: \_\_\_\_\_

The amount of Primary Capacity Quantity that is the subject of this Release \_\_\_\_\_

	Capacity Released	Term of Release	Conditions for Recall	Any other Conditions
<b>Mainline Delivery Points</b>	(TJ)			
Peterborough				
Burra				
Mintaro				
Wasleys Farm				
Virginia				
Adelaide Metro				
Dry Creek				
Torrens Island				
Osborne				
Penfield Roses				
Hi-Tech Hydroponics				
<b>Zone Total</b>				
<b>Iron Triangle Delivery Points</b>				
Port Pirie				
Port Bonython				
Whyalla Township				
Whyalla BHP				
Whyalla BHP Cogeneration				
Pacific Salt				
<b>Zone Total</b>				
<b>Barossa Delivery Points</b>				
Freeling				
Nuriootpa				
Sheoak Log				
Angaston Township				
Angaston Cement				
Angaston Riverland				
<b>Zone Total</b>				
<b>Total Delivery Points</b>				

Name: \_\_\_\_\_  
 Signed: \_\_\_\_\_  
 Contact No: \_\_\_\_\_

# Acceptance of Marketable FT Parcel Released Capacity

(FT Service)

(Clause 26.2(b))

User Name: \_\_\_\_\_

Date: \_\_\_\_\_

User ID: \_\_\_\_\_

Time: \_\_\_\_\_

	Capacity Acquired	Transaction Number	Capacity Acquired	Transaction Number
<b>Mainline Delivery Points</b>	(TJ)		(TJ)	
Peterborough				
Burra				
Mintaro				
Wasleys Farm				
Virginia				
Adelaide Metro				
Dry Creek				
Torrens Island				
Osborne				
Penfield Roses				
Hi-Tech Hydroponics				
<b>Zone Total</b>				
<b>Iron Triangle Delivery Points</b>				
Port Pirie				
Port Bonython				
Whyalla Township				
Whyalla BHP				
Whyalla BHP Cogeneration				
Pacific Salt				
<b>Zone Total</b>				
<b>Barossa Delivery Points</b>				
Freeling				
Nuriootpa				
Sheoak Log				
Angaston Township				
Angaston Cement				
Angaston Riverland				
<b>Zone Total</b>				
<b>Total Delivery Points</b>				

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_



# Notification of Marketable IT Parcel Release (IT Service)

(Clause 26.3(a))

Transaction Number: \_\_\_\_\_

User Name: \_\_\_\_\_

User ID: \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_\_

Excluded Point: \_\_\_\_\_

Capacity Released: \_\_\_\_\_

Released for FT Service? Yes/No

Released for IT Service? Yes/No

~~\_\_\_\_\_ If yes, Released as:~~

~~\_\_\_\_\_ (a) Primary Capacity Quantity? Yes/No~~

~~**OR**~~

~~\_\_\_\_\_ (b) Secondary Capacity Quantity? Yes/No~~

Term of Release: \_\_\_\_\_

Conditions for Recall: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Any other Conditions: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Acceptance of Marketable IT Parcel Release (IT Service)

(Clause 26.3(b))

User Name: \_\_\_\_\_

User ID: \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_\_

Excluded Point: \_\_\_\_\_

Capacity Acquired: \_\_\_\_\_

Transaction Number: \_\_\_\_\_

# Capacity Release - Register of Marketable Parcels on Offer

(FT Service, IT Service)

(Clause 26.5(4))

FORM ~~40~~33

The amount of Primary Capacity Quantity or Maximum Capacity that is on Offer \_\_\_\_\_

Transaction Number	Capacity	Start Date	End Date	Capacity	Start Date	End Date	Capacity	Start Date	End Date	Capacity	Start Date	End Date
<b>Mainline Delivery Points</b>												
Peterborough												
Burra												
Mintaro												
Wasleys Farm												
Virginia												
Adelaide Metro												
Dry Creek												
Torrens Island												
Osborne												
Penfield Roses												
Hi-Tech Hydroponics												
<b>Zone Total</b>												
<b>Iron Triangle Delivery Points</b>												
Port Pirie												
Port Bonython												
Whyalla Township												
Whyalla BHP												
Whyalla BHP Cogeneration												
Pacific Salt												
<b>Zone Total</b>												
<b>Barossa Delivery Points</b>												
Freeling												
Nuriootpa												
Sheoak Log												
Angaston Township												
Angaston Cement												
Angaston Riverland												
<b>Zone Total</b>												
<b>Total Delivery Points</b>												

**REQUEST FOR EBB BACK-UP DATA**  
**(FT Service, IT Service)**  
(clause 27.4(c))

User Name: \_\_\_\_\_ Date: \_\_\_\_\_

User ID: \_\_\_\_\_ Time: \_\_\_\_\_

Dates Requested: \_\_\_\_\_

Public Data	Proprietary Data

Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_

# Notification of Abandonment of Receipt Point or Delivery Point

(FT **Service**, IT Service)

(Clauses 28.1~~(e)~~ and 28.2~~(e)~~)

User Name: \_\_\_\_\_ Issue Date: \_\_\_\_\_

User ID: \_\_\_\_\_ Issue Time: \_\_\_\_\_

Effective Date: \_\_\_\_\_

Effective Time: \_\_\_\_\_

Point to be abandoned: \_\_\_\_\_

Reason(s) for the abandonment: \_\_\_\_\_

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Other Information: \_\_\_\_\_

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Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Contact No: \_\_\_\_\_

# **SCHEDULE 6**

**FT Service Contract**  
(clause 43.1)

**AGREEMENT** dated

**BETWEEN**        **EPIC ENERGY SOUTH AUSTRALIA PTY LTD**  
(ACBN 54 068 599 815) of ~~25 Conygham Street, Glenside SA 5065~~ |  
(**'Service Provider'**)

**AND**              **THE PERSON DESCRIBED IN ITEM 1 OF THE SCHEDULE**  
(**'User'**)

**RECITALS**

- A.     The User wishes to be provided with FT Service on the Pipeline System.
- B.     The Service Provider has agreed to provide FT Service on the terms and conditions of the Agreement.

**AGREEMENT**

**1.     INTERPRETATION**

**1.1    Definitions**

In this FT Service Contract:

- (a)    unless a contrary intention appears, words defined in the Access Arrangement have the same meanings in this FT Service Contract; and
- (b)    '**Access Arrangement**' means the Access Arrangement for the Pipeline System submitted by the Service Provider pursuant to the Code and approved by the Regulator as varied from time to time.

**1.2    Acknowledgement of Receipt**

The User acknowledges having received a copy of the Access Arrangement and a copy of the Tariff Schedule in their respective current forms as at the date of this FT Service Contract.

**2.     PROVISION OF FT SERVICE**

**2.1    Term**

The Service Provider will provide FT Service to the User on the terms and conditions of the Access Arrangement from the Commencement Date (set out in Item 2 of the Schedule) to the Termination Date (set out in Item 3 of the Schedule).

**2.2    Charges**

The User acknowledges and agrees that it must pay the charges set out in the Tariff Schedule, in the manner and at the times set out in the Tariff Schedule, that relate to FT Service.

**2.3 Variation of Access Arrangement and Tariff Schedule**

- (a) The User acknowledges and agrees:
  - (i) that the Service Provider may at any time and from time to time without first notifying, or obtaining the consent of, the User, submit to the Regulator for approval a new Access Arrangement and/or new Tariff Schedule or variations to an existing Access Arrangement and/or Tariff Schedule; and
  - (ii) that once approved by the Regulator the User will be bound by that new Access Arrangement and/or Tariff Schedule or those variations to the Access Arrangement and/or Tariff Schedule, from the date that the approval takes effect.
- (b) The Service Provider will notify the User of any new Access Arrangement and/or Tariff Schedule or any variations to an existing Access Arrangement and/or Tariff Schedule, once the Regulator’s approval has been given.

**2.4 Other Items**

For the purposes of the provision of FT Service pursuant to the Agreement:

- (a) the User's MDQ is the quantity set out in Item 4 of the Schedule;
- (b) the User's Primary Delivery Point(s) and Primary Capacity Quantities are as set out in Item 5 of the Schedule;
- (c) the amount of the Capital Contribution or Surcharge (if any) payable by the User for FT Service as at the date of this FT Service Contract is as set out in Item 6 of the Schedule; and
- (d) the address for service of notices in writing to the User is as set out in Item 7 of the Schedule.

**EXECUTED** as an agreement.

**SIGNED** for and on behalf of the )  
**SERVICE PROVIDER** by a duly )  
 authorised officer in the presence of: )

.....  
Signature of witness

.....  
Signature of officer

.....  
Name of witness

.....  
Name of officer

.....  
Office held

.....  
Title/position of officer



**SIGNED** for and on behalf of the **USER** )  
by a duly authorised officer in the )  
presence of:

.....  
Signature of witness

.....  
Signature of officer

.....  
Name of witness

.....  
Name of officer

.....  
Office held

.....  
Title/position of officer

## SCHEDULE

### Item 1 - Name and Address of User

### Item 2 - Commencement Date

### Item 3 - Termination Date

[ ] (or such later date as may result from the extension of the Agreement pursuant to the Access Arrangement).

### Item 4 - MDQ

### Item 5 - Primary Delivery Points and Primary Capacity Quantities

<i>Location of Delivery Point</i>	<i>Primary Capacity Quantity</i>

### Item 6 - Capital Contribution / Surcharge

{~~\$~~} per {}

### Item 7 - Address for Notices

# **SCHEDULE 7**

# IT Service Contract

(clause 43.1)

**AGREEMENT** dated

**BETWEEN**        **EPIC ENERGY SOUTH AUSTRALIA PTY LTD**  
(ACBN 54 068 599 815) ~~of 25 Conygham Street, Glenside SA~~  
~~5065~~ ('Service Provider')

**AND**             **THE PERSON DESCRIBED IN ITEM 1 OF THE SCHEDULE**  
(**'User'**)

## RECITALS

- A.     The User wishes to be provided with IT Service on the Pipeline System.
- B.     The Service Provider has agreed to provide IT Service on the terms and conditions of the Agreement.

## AGREEMENT

### 1.     **INTERPRETATION**

#### 1.1   **Definitions**

In this IT Service Contract:

- (a)     unless a contrary intention appears, words defined in the Access Arrangement have the same meanings in this IT Service Contract; and
- (b)     '**Access Arrangement**' means the Access Arrangement for the Pipeline System submitted by the Service Provider pursuant to the Code and approved by the Regulator as varied from time to time.

#### 1.2   **Acknowledgement of Receipt**

The User acknowledges having received a copy of the Access Arrangement and a copy of the Tariff Schedule in their respective current forms as at the date of this IT Service Contract.

### 2.     **PROVISION OF IT SERVICE**

#### 2.1   **Term**

The Service Provider will provide IT Service to the User on the terms and conditions of the Access Arrangement from the Commencement Date (set out in Item 2 of the Schedule) to the Termination Date (set out in Item 3 of the Schedule).

#### 2.2   **Charges**

The User acknowledges and agrees that it must pay the charges set out in the Tariff Schedule, in the manner and at the times set out in the Tariff Schedule, that relate to IT Service.

**2.3 Variation of Access Arrangement and Tariff Schedule**

- (a) The User acknowledges and agrees:
  - (i) that the Service Provider may at any time and from time to time without first notifying, or obtaining the consent of, the User, submit to the Regulator for approval a new Access Arrangement and/or new Tariff Schedule or variations to an existing Access Arrangement and/or Tariff Schedule; and
  - (ii) that once approved by the Regulator the User will be bound by that new Access Arrangement and/or Tariff Schedule or those variations to the Access Arrangement and/or Tariff Schedule, from the date that the approval takes effect.
- (b) The Service Provider will notify the User of any new Access Arrangement and/or Tariff Schedule or any variations to an existing Access Arrangement and/or Tariff Schedule, once the Regulator's approval has been given.

**2.4 Other Items**

For the purposes of the provision of IT Service pursuant to the Agreement:

- (a) the amount of the Capital Contribution **or Surcharge** (if any) payable by the User for IT Service as at the date of this IT Service Contract is as set out in Item 4 of the Schedule; and
- (b) address for service of notices in writing to the User is as set out in Item 5 of the Schedule.

**EXECUTED** as an agreement.

**SIGNED** for and on behalf of the )  
**SERVICE PROVIDER** by a duly )  
 authorised officer in the presence of: )

.....  
Signature of witness

.....  
Signature of officer

.....  
Name of witness

.....  
Name of officer

.....  
Office held

.....  
Title/position of officer

**SIGNED** for and on behalf of the **USER** )  
by a duly authorised officer in the )  
presence of:

.....  
Signature of witness

.....  
Signature of officer

.....  
Name of witness

.....  
Name of officer

.....  
Office held

.....  
Title/position of officer

## SCHEDULE

**Item 1 - Name and address of User**

**Item 2 - Commencement Date**

**Item 3 - Termination Date**

~~[ ] (subject to the automatic extension provisions in the Access Arrangement)~~ |

**Item 4 – Capital Contribution / Surcharge** |

**Item 5 - Address for Notices**

# **SCHEDULE 8**



## **Measuring Equipment** (clauses 28.1 and 28.2)

### **1. Measuring Equipment**

**'Measuring Equipment'** is equipment for measuring the quantity, quality and condition of Gas at Receipt Points and Delivery Points. The equipment must include remotely controlled flow devices, must be capable of making data concerning quality, quantity and condition of Gas available for instantaneous transmission to the Service Provider's control centre, must comply with the specifications and other technical requirements published from time to time by the Service Provider and include SCADA and communications equipment and protocols compatible with the Service Provider's equipment.

### **2. Certification**

- (a) Where the Measuring Equipment is owned and operated by the Service Provider, the Service Provider will furnish certification of the accuracy and the initial calibration for the metering equipment to the User at or before the commencement of deliveries of Gas under the Agreement.
- (b) Where the Measuring Equipment is owned and operated by User or a third party, the User will furnish certification of the accuracy and the initial calibration for the metering equipment to the Service Provider at or before the commencement of deliveries of Gas under the Agreement.

### **3. Meter Design**

- (a) The Service Provider will:
  - (i) determine the nature, design and specifications of;
  - (ii) determine the configuration of and communication protocols for;
  - (iii) review all plans for; and
  - (iv) inspect the installation of,all Measuring Equipment to be installed at a Delivery Point or a Receipt Point.
- (b) No Receipt Point or Delivery Point will be connected to the Pipeline System unless it complies in all respects with the Service Provider's Specifications.

### **4. Flow Devices**

- (a) Orifice metering systems will be constructed and installed in accordance with the provisions of American Gas Association ('**AGA**') Report No. 3, such that a maximum uncertainty of  $\nabla$  0.5% of flow co-efficient is achieved.
- (b) Turbine metering systems will be constructed and installed in accordance

with the provisions of AGA Report No. 7, such that a maximum uncertainty of  $\nabla$  1% of flow co-efficient is achieved.

- (c) Positive displacement metering systems will be constructed and installed in accordance with the provisions of ANSI B109-3 (1986), such that a maximum uncertainty of  $\nabla$  1% of flow co-efficient is achieved.
- (d) Ultrasonic metering systems will be constructed and installed in accordance with the provisions of AGA Report No. 9 such that the maximum uncertainty in velocity, is  $\nabla$  0.7%.
- (e) Other metering systems will be constructed and installed in accordance with established industry standards as adopted by the Service Provider.

## 5. Differential Pressure for Orifice Metering

Differential pressure will be measured using microprocessor based 'smart' type transmitters, with 4-20 mA analog output signals temperature compensated to minimise the effect of inaccuracies due to ambient temperature changes. The uncertainty of transmitters will be a maximum of 0.1% or better of the calibrated range. Calibrated ranges will be selected to minimise the uncertainty of readings. The Service Provider will have the right, but not the obligation, to instal high and low pressure differential pressure transmitters based on turn down requirements of metering. If fitted, the Service Provider will ensure that they will be switched automatically by the flow computer to select the optimum operating range.

## 6. Pressure

Pressure will be measured using microprocessor based 'smart' type transmitters, with 4-20 mA analog output signals temperature compensated to minimise the effect of inaccuracies due to ambient temperature changes. Uncertainty of transmitters will be a maximum of  $\nabla$  0.1% of the calibrated range. Calibrated ranges will be selected to minimise the uncertainty of readings.

## 7. Temperature

The temperature transmitter uncertainty will be a maximum of  $\nabla$  0.1% for instruments at meter stations, and  $\nabla$  0.25% elsewhere, of the calibrated range and the calibration range will be selected to minimise the uncertainty of readings.

## 8. Flow Computer

- (a) For each meter station, a self contained proprietary type flow computer will be installed. Instantaneous values for at least the following inputs and outputs will be recorded and available for display from the flow computer or from SCADA trend data:

<b>Inputs</b>	<b>Outputs</b>
Differential pressure (high) (orifice meter)	Differential pressure (orifice meter)
Differential pressure (low) (orifice meter)	Pressure
	Temperature
	Density

Pressure	Instantaneous volumetric flow
Temperature	(corrected and uncorrected)
Relative density (ideal)	Cumulative volumetric flow
Relative density (real)	Instantaneous energy flow
Carbon dioxide	Cumulative energy flow
Nitrogen	Instantaneous mass flow (ultrasonic meter)
Dry Gross Heating Value (real)	Cumulative mass flow (ultrasonic meter)
Frequency (turbine meter)	Control valve position
	Gas quality

- (b) The flow computer will be manually configured with input data for calculation factors, constants and Standard Conditions as well as fall back values for out of limit input signals and alarm outputs. Configuration data will be available on a local display. The flow computer input and output circuits and central processing unit will not increase the uncertainty of any measurement or calculation by more than  $\nabla 0.1\%$  of the range of that measurement or calculation.
- (c) At least 31 Days of hourly information will be backed up and stored on the flow computer.
- (d) Communication connections and protocol must be acceptable to the Service Provider and must be compatible with, and connected to, the Service Provider's SCADA system.

## 9. Energy and Relative Density

- (a) The energy content of the Gas will be monitored at all Receipt Points and Delivery Points by an on-line gas chromatograph designed to take a continuous sample of Gas from the Pipeline System.
- (b) A sample probe will be used to extract the sample from the Pipeline System and the dead volume between the line and the analyser will be minimised. Sample condensation will be avoided. The samples will be analysed in accordance with ASTM D1945 'Standard Method for Analysis of Natural Gas by Gas Chromatography', and the calculations for Gross Heating Value and relative density will be determined in accordance with ISO 6976 'Natural Gas - Calculation of Calorific Value, Density and Relative Density' and AGA Report No 8 'Compressibility and Supercompressibility for Natural Gas and Other Hydrocarbon Gases'.
- (c) The gas chromatograph will provide instantaneous outputs of dry Gross Heating Value in MJ/m<sup>3</sup>, real and ideal relative density, and compositions of carbon dioxide and nitrogen.
- (d) The gas chromatograph will be factory tested and calibrated using a certified natural gas gravimetric standard and will perform with an accuracy of  $\nabla 0.08$  MJ/m<sup>3</sup> for Gross Heating Value and  $\nabla 0.003$  for relative density. The gas chromatograph will include the facility for recalibrating itself automatically against a certified calibration gas at least once per day.

10. **Pulsation Damping**

The User must ensure that pulsation in the Gas stream delivered at the Receipt Point does not interfere with the operation or accuracy of the metering equipment.

# **SCHEDULE 9**

## Measurement at Receipt and Delivery Points

(clause 29)

### 1. Volumetric Measurement

- (a) Volumetric measurement in cubic meters per hour ( $\text{m}^3/\text{hr}$ ) will be calculated by a flow computer from flow meter signals, associated instruments and density and composition signals from an on-line gas chromatograph. The volumetric flow rate will be continuously recorded and integrated.
- (b) All measurements, calculations and procedures used in determining volume, except for the correction for the deviation from the Ideal Gas Law, will be made in accordance with the instructions contained in:
  - (i) American Gas Association ('AGA') Report No 3 for the Orifice Plate Metering Systems;
  - (ii) AGA Report No 7 for Turbine Metering;
  - (iii) ANSI B109-3 for Positive Displacement (PD) Metering;
  - (iv) AGA Report No 9 for Ultra Sonic Metering; and
  - (v) relevant industry standards and such other standards as may be specified by the Service Provider for any other metering system,together with all presently existing supplements and appendices to those reports or any revisions of them acceptable to the Parties.
- (c) Those instructions will be converted where necessary for compliance with Australian Standard AS1000 'The International System of Units (SI) and its Application', the Commonwealth *National Measurement Act 1960* and regulations under that Act and the Australian Gas Association publication 'Metric Units and Conversion Factors for use in the Australian Gas Industry' or any revision of those publications acceptable to the Parties.
- (d) The correction for deviation from the Ideal Gas Law will be determined from the data contained in AGA Report No 8, or any revision of that report acceptable to the Parties. The compositional data used in these calculations will be primarily derived from the on-line gas chromatograph.

### 2. Energy Management

The energy flow rate will be calculated by the flow computer in GJs per hour (GJ/hr) from the product of Gross Heating Value and the volumetric flow, all at the Standard Conditions. The heating value will be continuously derived from the same on-line gas chromatograph used for determining the relative density and composition used in the volumetric flow calculation. The energy flow rate will be recorded and continuously integrated.

### 3. Other Measurement

The temperature and pressure will be measured and recorded, so that the readings are representative of the conditions prevailing at the upstream face of

each orifice plate, each turbine meter and each positive displacement meter or other meters.

4. **Pressure**

Pressure meters and transmitters are to measure gauge pressure. Calculations using gauge pressures are to incorporate local barometric pressure effects.

5. **Calibration Inspection and Testing**

(a) **Scheduled Tests**

The Service Provider will carry out at Monthly intervals (or such longer period as may be agreed by the Parties) Validation Tests of the metering equipment in accordance with the procedures set out in this clause 5. The Service Provider will give at least 14 Days notice of the time and date of such tests and will supply a list of items to be tested to the User. If the User fails to witness such tests after the required notification is given, the test results will nevertheless be deemed to be acceptable. Upon request, the representatives of the User at such tests will be supplied with copies of the field data and calculations following such tests, and the User will be supplied with a full set of test results.

(b) **Unscheduled Tests**

If metering equipment is out of service or needs repair, the User will be invited to attend the investigation, repair and retest provided no delays are incurred which could jeopardize the integrity of the metering equipment, or in the Service Provider's judgment, would adversely affect the Service Provider's ability to meet any of its obligations.

(c) **Test Results**

The results of such tests will be deemed to be correct if corroborated by the next scheduled monthly test. If such test results are not corroborated by the routine monthly test, those test results will be ignored and the correction procedures set out below will be implemented.

(d) **Correction Procedure**

If at any time, any of the metering equipment is found to be unserviceable or registering inaccurately, it will be adjusted immediately to its specification. The previous reading of such metering equipment will be corrected for any period of inaccuracy which is definitely known or agreed upon, provided that the period for such correction will not extend beyond the date of the last previous Validation Test. Measurement during the correction period will be determined by the Service Provider on the basis of the best data available, using the first of the following methods which, when considered in the following order, is feasible:

- (i) recordings by any other measuring equipment acceptable to the Service Provider and the User; or
- (ii) trend data recorded by the Service Provider or the User, where this

data can be proven to represent an accurate estimate of the actual measurement; or

- (iii) by making the appropriate correction if the deviation from the accurate reading is ascertainable by calibration test or mathematical calculation; or
- (iv) by estimation acceptable to the Service Provider and the User based upon receipts or deliveries under similar conditions during a period when the metering equipment was registering accurately.

## **6. Calibration Equipment and Procedures**

Calibration equipment will have measurement accuracy at least 4 times better than the metering equipment which it will be used to calibrate. Calibration equipment will be provided with NATA endorsed certification of its accuracy, traceable to national standards. The appropriate certificates will be available for inspection during business hours at the offices of the Service Provider. Calibration procedures and frequencies or changes thereto will be approved by the User, which approval must not be unreasonably withheld.

## **7. Additional Tests**

The User will have the right at any time in its discretion to require the Service Provider to carry out tests in addition to the scheduled and unscheduled tests referred to in clauses 5(a) and 5(b). The User will reimburse the Service Provider for the cost of the additional tests unless it is shown from the results of those tests that the equipment being tested is not operating within the permissible limits of tolerance.

## **8. Inspection of Equipment Records**

The User will be permitted to:

- (a) have access to the relevant measuring and testing equipment at all reasonable times for inspection purposes,
- (b) be present during testing of the quality and quantity of Gas, and
- (c) be present when measuring or testing equipment is cleaned, installed, repaired, inspected, calibrated or adjusted.

The Service Provider will give reasonable notice to the User prior to undertaking these activities, and will make any changes to the activities reasonably required by the User for the purposes of this Schedule. To the extent such changes would result in significant and unreasonable additional cost, the Service Provider and the User will negotiate in good faith to determine how such changes are to be handled.



# ~~SCHEDULE 10~~



~~Rate of Return and WACC  
(Clauses 10.4(i) and (l))~~

~~Item 1 - Equity Rate of Return~~

~~Item 2 - Weighted Average Cost of Capital~~