

31 January 2006

Mr Sebastian Roberts
General Manager – Electricity
Australian Energy Regulator
GPO Box 520
MELBOURNE VIC 3001

Dear Mr Roberts

Re: Murraylink 2005 Service Standards

Please find below a summary of the service standard results for Murraylink during 2005.

Planned Availability

Availability (without exclusions)	=	97.94%
S1 (without exclusions)	=	-0.400000%
Availability (with exclusions)	=	98.18%
S1 (with exclusions)	=	-0.400000%

Peak Forced Availability

Availability (without exclusions)	=	98.74%
S2 (without exclusions)	=	-0.400000%
Availability (with exclusions)	=	99.63%
S2 (with exclusions)	=	0.117652%

Off-Peak Forced Availability

Availability (without exclusions)	=	98.35%
S3 (without exclusions)	=	-0.177703%
Availability (with exclusions)	=	99.72%
S3 (with exclusions)	=	0.127925%

There were eight forced outages and seven scheduled outages which Murraylink believes should be excluded. Of the excluded forced outages, seven were caused by events on the external AC network and one was caused by an explosion within the Murraylink Berri converter station. All of the excluded scheduled outages were at the request of external TNSPs to allow some work to be performed on their external AC network.



for and on behalf of the **Murraylink Transmission Partnership**

In support of the results, I have attached a table listing the details of all our outages.

I will be available to discuss these results with your consultant at any time. Please call myself on (07) 3229 9834, Stuart Dodds on (07) 3229 8825 if you have any questions or comments.

Yours sincerely

François Roberge
Chief Executive Officer

Att

2005 Scheduled outages INCLUDED in the calculation of the regulated performance measures.

TYPE	START	FINISH	DURATION	CAUSE
scheduled	11/01/2005 18:00	11/01/2005 18:54	00 : 54	MLBI: Fault Finding PCPA VCU Communications
scheduled	12/01/2005 15:00	12/01/2005 17:05	02 : 05	MLBI: Fault Finding PCPA VCU Communications
scheduled	13/01/2005 08:00	13/01/2005 10:30	02 : 30	MLBI: Fault Finding PCPA VCU Communications
scheduled	21/01/2005 07:00	21/01/2005 14:00	07 : 00	MLRC: Outage to repair L3 phase of WT.Q1.
scheduled	11/03/2005 07:11	11/03/2005 13:03	05 : 52	MLBI: Outage to replace faulty IGBTs MLRC: Outage to find and fix reactor cooling water leak.
scheduled	15/03/2005 15:10	15/03/2005 18:54	03 : 44	MLBI & MLRC: Outage for modifications to control system by ABB
scheduled	16/03/2005 15:05	17/03/2005 02:34	11 : 29	MLBI & MLRC: Outage for modifications to control system by ABB
scheduled	18/03/2005 15:00	18/03/2005 19:15	04 : 15	MLBI & MLRC: Outage for modifications to control system by ABB
scheduled	21/03/2005 08:05	21/03/2005 20:32	12 : 27	MLBI & MLRC: Outage for modifications to control system by ABB
scheduled	05/04/2005 06:02	05/04/2005 20:14	14 : 12	MLBI & MLRC: Outage for maintenance - fire protection system and transformer oil samples
scheduled	03/05/2005 17:42	03/05/2005 18:45	01 : 03	MLRC: Vic Very Fast Runback testing.
scheduled	20/05/2005 09:32	20/05/2005 10:04	00 : 32	MLRC: Outage for adding insulating oil to the OLTC Conservator
scheduled	24/08/2005 09:47	24/08/2005 18:42	08 : 55	MLBI & MLRC: Outage to inspect reactor cooling circuit and install motor starter module for the chiller at Berri. Found and replaced a failed capacitor in bank U.C1.
scheduled	08/09/2005 09:00	08/09/2005 18:50	09 : 50	MLRC: Outage to repair reactor cooling water leak.
scheduled	11/10/2005 06:01	11/10/2005 21:04	15 : 03	MLBI & MLRC: Outage for Annual Maintenance
scheduled	12/10/2005 06:04	12/10/2005 21:34	15 : 30	MLBI & MLRC: Outage for Annual Maintenance
scheduled	13/10/2005 06:05	13/10/2005 19:28	13 : 23	MLBI & MLRC: Outage for Annual Maintenance
scheduled	14/10/2005 17:15	14/10/2005 22:13	04 : 58	MLBI: Outage to investigate high IGBT failure rate.
scheduled	14/10/2005 22:48	15/10/2005 22:47	23 : 59	MLBI & MLRC: Outage to replace fibre glass bolts in the valve stacks.

Scheduled 157 : 41

2005 Scheduled outages EXCLUDED in the calculation of the regulated performance measures.

TYPE	START	FINISH	DURATION	CAUSE
scheduled	13/04/2005 17:11	13/04/2005 17:15	00 : 04	MLRC: VNESC required RC301 open to permit closing of a bus tie circuit breaker in RCTS.
scheduled	30/07/2005 17:23	30/07/2005 17:25	00 : 02	MLRC: VNESC required RC301 open to permit closing of a bus tie circuit breaker in RCTS.
scheduled	31/07/2005 17:22	31/07/2005 17:32	00 : 10	MLRC: VNESC required RC301 open to permit closing of a bus tie circuit breaker in RCTS.
scheduled	03/12/2005 06:41	03/12/2005 16:21	09 : 40	MLRC: Outage for VNESC. Work being performed at RCTS
scheduled	04/12/2005 06:06	04/12/2005 16:40	10 : 34	MLRC: Outage for VNESC. Work being performed at RCTS
scheduled	10/12/2005 11:50	10/12/2005 12:05	00 : 15	MLRC: VNESC required RC301 open to permit closing of a bus tie circuit breaker in RCTS.
scheduled	12/12/2005 06:52	12/12/2005 07:02	00 : 10	MLRC: VNESC required RC301 open to permit closing of a bus tie circuit breaker in RCTS.

2005 Forced outages INCLUDED in the calculation of the regulated performance measures.

TYPE	START	FINISH	CAPACITY REDUCTION	OUTAGE DERATING FACTOR	DURATION	PEAK	OFF-PEAK	CAUSE
forced	06/01/2005 07:51	06/01/2005 15:08	220	1.00	07 : 17	07 : 17	00 : 00	MLBI: PCPA VCU Communications Fault
forced	13/01/2005 16:38	14/01/2005 05:35	220	1.00	12 : 57	05 : 22	07 : 35	MLRC: Circuit breaker closing spring charge not operating correctly. Investigation to determine the status of the circuit breaker.
forced	26/01/2005 21:10	27/01/2005 09:06	184	0.84	09 : 59	01 : 45	08 : 13	MLBI: Communication failure to Berri converter. UPS supplying Ethernet switch failed. Plant online and flowing 36MW. Unable to change dispatch.
forced	17/02/2005 18:58	18/02/2005 06:04	220	1.00	11 : 06	03 : 02	08 : 04	MLRC: Trip due to six faulty IGBTs
forced	30/06/2005 07:56	30/06/2005 20:49	220	1.00	12 : 53	12 : 53	00 : 00	MLRC: Failed capacitor in bank WZ.Z11.L2. Capacitor Unbalanced protection trip operated.
forced	05/07/2005 16:36	05/07/2005 16:45	220	1.00	00 : 09	00 : 09	00 : 00	MLRC: NSW runback backup trip operated during commissioning
forced	05/07/2005 16:47	05/07/2005 17:03	220	1.00	00 : 16	00 : 16	00 : 00	MLRC: NSW runback backup trip operated during commissioning
forced	05/07/2005 19:16	05/07/2005 20:19	198	0.90	00 : 57	00 : 57	00 : 00	MLRC: Communication lost to control room. Circuit breaker supplying Comms equipment tripped. UPS batteries ran flat. Plant online and flowing 22MW. Unable to change dispatch.

Peak Forced 31 : 41

Off-peak Forced 23 : 52

2005 Forced outages EXCLUDED in the calculation of the regulated performance measures.

TYPE	START	FINISH	CAPACITY REDUCTION	OUTAGE DERATING FACTOR	DURATION	PEAK	OFF-PEAK	CAUSE
forced	08/01/2005 07:48	08/01/2005 09:23	220	1.00	01 : 35	00 : 00	01 : 35	MLBI: tripped due to over frequency. Sever Trip Scheme operated, islanding MLBI.
forced	03/03/2005 14:37	03/03/2005 15:22	220	1.00	00 : 45	00 : 45	00 : 00	MLBI: tripped due to over frequency. Sever Trip Scheme operated, islanding MLBI.
forced	02/06/2005 23:23	03/06/2005 01:17	220	1.00	01 : 54	00 : 00	01 : 54	MLBI: Runback caused by interruption to 11kV supply to Monash substation. A car hit a power pole.
forced	16/08/2005 13:14	16/08/2005 14:30	220	1.00	01 : 16	01 : 16	00 : 00	MLBI: Runback caused by failure of the SA Runback scheme
forced	16/08/2005 17:03	16/08/2005 17:24	220	1.00	00 : 21	00 : 21	00 : 00	MLBI: Runback caused by failure of the SA Runback scheme
forced	16/10/2005 00:20	23/10/2005 20:52	220	1.00	188 : 32	74 : 60	113 : 32	MLBI: Trip due to six faulty IGBTs. IGBTs damaged during explosion.
forced	06/11/2005 12:50	06/11/2005 13:40	220	1.00	00 : 50	00 : 00	00 : 50	MLBI: Runback triggered by lightning strikes. Circuit breakers opening on ElectraNet Transmission lines.
forced	06/11/2005 18:27	06/11/2005 19:13	220	1.00	00 : 46	00 : 00	00 : 46	MLBI: tripped due to over frequency. Sever Trip Scheme operated, islanding MLBI. Sever trip triggered by lightning strikes. Circuit breakers opening on ElectraNet Transmission lines.