

#### Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,956 MW
Hydro	1,589 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,615 MW</b>
<b>Total IPP</b>	<b>10,880 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>18,495 MW</b>

#### Generation Mix

Type	MWh	Percentage
ST-Coal	48,504	14.81 %
Gas	71,857	21.94 %
Hydro	8,855	2.70 %
<b>Total TNB</b>	<b>129,216</b>	<b>39.45 %</b>
ST-Coal	91,848	28.04 %
ST-Gas	2,510	0.77 %
Gas	104,510	31.91 %
<b>Total IPP</b>	<b>198,868</b>	<b>60.72 %</b>
Co-Gen	889	0.27 %
<b>Total Co-Gen</b>	<b>889</b>	<b>0.27 %</b>
<b>Total Generation</b>	<b>328,973</b>	<b>100.44 %</b>
PLTG	798	0.24 %
HVDC	643	0.20 %
<b>Interconnection</b>	<b>1,441</b>	<b>0.44 %</b>
<b>Net Energy</b>	<b>327,532</b>	<b>100.00 %</b>

#### Maximum Demand Record

Date: 6/11/2014	16,901 MW
Date: 6/24/2014	355,911 MWH

#### Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	17,269 MW
TNB Generation	6,052 MW
IPP Generation	9,936 MW
Spinning Reserve	1,249 MW
Maximum Demand	16,004 MW
Net Energy	327,532 MWH
Load Factor	85.27 %

#### Fuel Cost

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	220
Hydro	179
Syncon	457
Thermal	38
<b>Total</b>	<b>894</b>

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	25

#### Gas Usage

Station	(mmscfd)
CBPS	48
CBPS	58
GLGR	56
PAKA	110
PGGS	3
PGPS	42
SRDG	43
TJGS	214
<b>Total TNB</b>	<b>573</b>

KLPP	75
MPSS	60
PDPS	38
PGLA	94
PKLG	15
PLPS	99
PTEK	39
SGRI	187
SKSP	43
YPGS	67
YPKA	130
PKLG	25
<b>Total IPP</b>	<b>871</b>

<b>Total Gas</b>	<b>1,444</b>
<b>Total Gas Required</b>	<b>1,444</b>

#### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</b>

#### Hourly System MW Generation

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
System Total	12395	11942	11466	10949	10868	10683	10996	11086	11848	13819	14798	15501	15301	15055	15593	15910	16004	15580	14379	14095	15080	14930	14462	14204

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, September 10, 2014  
9:55:12 AM

(Gurcharan Singh)  
Pengurus Besar Kanan  
Jabatan Sistem Operasi

### Daily MW Generation on Monday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300																														
JMAH	U001	700	705	703	699	701	702	703	701	702	703	701	703	701	693	689	703	702	702	700	693	698	699	701	699	700	695	693	702	702	700	692	700	703	704	701	699	702	701	701	710	701	700	702	700										
JMAH	U002	700	716	702	703	706	701	700	702	707	705	702	703	704	699	704	702	703	705	704	702	701	706	699	698	701	707	702	705	703	705	705	702	706	702	701	697	697	703	705	708	703	702	706	699										
JMJG	U001	682	679	678	681	678	679	679	677	666	673	678	679	679	675	677	643	643	645	645	646	640	646	645	646	645	685	683	684	684	682	682	684	686	676	675	678	678	679	679	678	677	679	678	682	674									
JMJG	U002	681	673	692	673	687	677	683	679	686	678	680	681	688	677	682	682	679	686	699	692	677	684	690	699	673	696	679	702	678	701	683	677	678	678	685	676	660	678	682	705	660	681	681	670	654	688	682	674						
JMJG	U003	675	675	677	672	673	679	672	674	676	673	672	678	677	672	675	671	671	675	674	677	668	676	679	672	672	674	674	674	675	677	673	679	675	673	673	673	673	675	676	674	676	676	678	647	594	612	589	591						
PKLG	U003	282	286	284	295	280	281	279	283	275	277	277	281	277	279	277	280	278	280	280	280	280	280	280	280	282	284	284	284	282	280	280	282	283	281	281	281	282	278	280	280	282	281	282	283	281	283	283	285	283	285	285			
PKLG	U004	279	280	280	278	278	280	274	278	280	280	282	282	282	282	282	280	280	280	282	286	284	280	280	280	282	286	284	280	280	283	279	279	281	279	287	283	281	285	283	283	286	287	287	287	287	286	284	284	282	289	285	285		
PKLG	U006	466	466	466	466	466	466	466	466	466	466	466	466	466	466	464	464	464	464	467	467	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466				
TBDN	U002	697	698	696	696	700	685	697	699	700	699	699	700	698	702	702	697	697	696	697	701	701	700	701	695	699	697	686	697	693	693	699	698	698	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699			
TBDN	U003	694	699	697	691	696	699	698	698	697	697	698	697	696	696	699	698	693	700	695	697	698	695	696	699	697	693	699	697	691	695	695	695	695	697	695	698	696	695	699	697	697	699	694	692	694	696	696	694	696	694				
Total ST-Coal		5856	5877	5875	5854	5868	5849	5852	5857	5855	5851	5860	5867	5867	5874	5861	5859	5859	5849	5857	5842	5821	5841	5852	5833	5810	5851	5819	5816	5826	5884	5859	5866	5863	5865	5866	5852	5847	5861	5864	5876	5841	5867	5876	5837	5746	5818	5789	5774						
Total ST-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
PKLG	U001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Total ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
CBPS	GT1A	98	98	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87				
CBPS	GT1B	98	98	89	89	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
CBPS	ST1C	103	102	90	89	89	90	89	64	73	89	90	88	88	87	88	101	102	102	102	102	102	101	101	102	101	101	99	98	97	98	98	97	98	98	97	98	90	91	101	102	102	102	102	101	103	103	101	103	103	101	101			
GLGR	GT01	109	111	85	68	69	68	68	68	70	67	70	70	69	69	67	69	70	109	111	110	110	109	109	108	111	111	110	110	108	109	109	109	109	108	109	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110		
GLGR	GT02	113	113	85	68	68	68	69	69	68	69	69	68	68	68	68	110	113	112	112	111	111	110	112	113	112	112	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110		
GLGR	ST1C	100	100	87	71	70	69	69	69	69	69	69	69	69	69	69	100	101	100	99	101	101	101	101	101	101	101	101	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
KLPP	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
KLPP	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
KLPP	GT14	141	139	151	151	150	150	142	142	142	142	142	142	142	142	142	142	143	143	150	150	155	155	155	155	155	155	155	154	154	154	154	154	154	154	154	154	154	152	152	129	129	144	144	151	151	151	151	151	151	151				
KLPP	GT15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
KLPP	ST17	57	57	58	58	59	59	57	57	57	57	57	57	56	58	58	44	98	118	170	166	163	163	163	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165		
MPSS	GT01	107	107	107	107	107	93	63	63	63	65	64	65	65	64	64	63	64	100	106	106	106	105	103	104	105	103	105	103	104	102	102	102	104	105	103	104	105	105	105	104	104	105	105	105	105	105	105	105	105	105	105	105	105	
MPSS	GT02	110	110	109	109	109	96	64	65	68	65	68	66	66	66	67	67	67	100	110	109	109	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108
MPSS	ST01	116	116	116	116	116	102	60	58	58	58	58	58	58	58	58	57	90	113	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	
PAKA	GT1A	87	89	88	87	88	87	87	89	88	87	88	88	88	88	88	88	90	91	90	90	88	87	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
PAKA	GT1B	89	89	88	89	89	90	89	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90		
PAKA	GT2A	85	85	64	63	65	64	63	65	65	62	64	64	64																																									



**Daily MW Generation on Monday**

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	0	0	0	0	0	20	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY04	33	31	39	37	38	35	33	39	39	36	33	36	38	37	41	39	38	36	44	39	35	47	48	48
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPIA	HY02	2	2	1	1	2	2	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0
Total Hydro		160	156	208	391	363	384	395	400	400	346	304	368	406	402	408	403	400	395	434	480	328	635	737	748
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	10	10	11	10	10	11	7	7	7	7	8	7	7	7	7	4	6	5	5	1	1	1	1	1
PCUF	CUFK	36	36	35	38	37	37	38	37	38	38	37	38	37	36	37	37	34	35	32	32	32	31	28	29
Total Co-Gen		46	46	46	48	47	48	45	44	45	45	44	44	43	44	44	38	41	37	33	32	29	30	30	29
Total Gen		12472	12049	11901	11738	11478	11347	11025	10896	10885	10749	10727	10828	10983	11221	11187	11303	11871	12932	13864	14476	14908	15266	15504	15577
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TIE-HVDC		-29	-29	-29	30	30	31	31	30	30	31	32	32	32	31	31	30	30	30	30	30	30	30	30	30
TIE-PLTG		106	55	-11	62	-19	13	-45	8	-14	47	13	13	-45	13	70	24	-7	18	15	-4	79	45	-28	
Interconnection		77	25	-41	92	12	44	76	38	17	79	44	45	-13	43	101	54	23	48	45	27	110	75	3	
System Total		12395	12024	11942	11646	11466	11303	10949	10858	10868	10670	10683	10783	10996	11178	11086	11249	11848	12884	13819	14449	14798	15191	15501	15576
SRev ST-Coal		38	17	19	40	26	45	42	37	39	43	34	27	20	33	35	35	45	37	12	33	13	2	21	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	119	113	87	90	17	111	
SRev CCGT-Gas		362	598	436	784	1029	1163	1496	1634	1644	1722	1713	1681	1563	1414	1440	1457	1491	928	317	194	152	143	137	
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	31	32	32	34	
SRev Co-Gen		30	30	30	28	29	28	31	32	31	31	31	31	32	32	33	32	32	38	35	39	39	43	44	
Syncon		675	675	675	473	473	473	473	473	473	473	473	473	473	473	473	473	473	473	473	473	473	473	473	473
Hydro		133	137	85	104	132	261	250	95	95	149	191	127	89	244	87	92	95	100	86	90	190	184	208	
S.Reserve Total		1238	1457	1245	1429	1689	1970	2292	2271	2282	2418	2440	2339	2184	2032	2066	2089	2126	1854	948	927	1202	994	879	