

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,857 MW
Hydro	1,840 MW
Distillate	0 MW
Total TNB	8,777 MW
Total IPP	9,237 MW
Total Co-Gen	0 MW
Total System	18,014 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	68,773	20.68 %
Gas	75,541	22.72 %
Hydro	14,700	4.42 %
Total TNB	159,014	47.82 %
ST-Coal	74,988	22.55 %
ST-Gas	11,299	3.40 %
Gas	86,748	26.09 %
Total IPP	173,035	52.04 %
Co-Gen	754	0.23 %
Total Co-Gen	754	0.23 %
Total Generation	332,803	100.09 %
PLTG	-435	-0.13 %
HVDC	724	0.22 %
Interconnection	289	0.09 %
Net Energy	332,514	100.00 %

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:	15:30:00 Hour
Total Set On Bus	16,910 MW
TNB Generation	7,689 MW
IPP Generation	8,085 MW
Spinning Reserve	1,110 MW
Maximum Demand	15,846 MW
Net Energy	332,514 MWH
Load Factor	87.43 %

Fuel Cost

Total Cost:	50,991,989.05 RM
Cost per Unit	16.02 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	292
Hydro	273
Syncon	538
Thermal	94
Total	1,197

Time	Weather	Temperature
Afternoon	Cloudy	35
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	12
CBPS	48
GLGR	55
PAKA	187
PGGS	8
PGPS	50
SRDG	10
TJGS	215
Total TNB	585

KLPP	3
MPSS	57
PDPS	16
PGLA	109
PKLG	13
PLPS	97
PTEK	6
SGB3	83
SGRI	172
YPKA	134
PKLG	112
Total IPP	802
Total Gas	1,387

Total Gas Required 1,387

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	13082	12437	12084	11774	11405	11352	11649	11733	12127	13768	14587	15261	15234	14749	15037	15659	15785	15535	14653	14578	15378	15049	14700	14330

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 Pengurus Besar Kanan
 Jabatan Sistem Operasi

Daily MW Generation on Friday

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	707	698	700	703	701	703	701	702	699	701	700	706	705	702	701	702	703	701	701	702	701	700	703	701	702	704
JMAH	U002	705	703	702	702	698	703	701	703	701	700	702	702	707	701	703	706	702	702	702	702	702	702	702	702	703	706
JMJG	U001	696	683	678	683	683	681	680	679	682	677	682	677	678	676	679	678	679	677	682	678	683	690	699	682	678	
JMJG	U002	694	709	680	682	703	687	683	682	675	677	666	689	700	685	675	678	679	673	678	678	689	611	678	685	679	
JMJG	U003	688	701	667	668	695	671	672	673	668	668	662	671	690	681	668	672	671	665	669	667	671	671	680	666	670	
JMJG	U004	790	790	790	790	791	791	788	789	789	790	790	788	789	789	791	791	793	791	789	829	861	859	859	858	859	
PKLG	U003	278	278	278	278	280	282	281	284	280	277	281	278	280	280	278	279	277	273	273	277	278	278	277	273	276	
PKLG	U004	279	279	276	276	276	276	272	269	275	275	273	276	276	277	276	276	278	276	274	276	278	276	275	277	273	
PKLG	U006	472	466	469	466	463	469	469	469	469	466	466	469	466	466	469	466	469	466	466	469	469	469	466	466	466	
TBIN	U001	701	697	694	698	695	697	699	698	697	703	699	701	699	696	697	699	697	697	694	695	697	699	695	696	696	
Total ST-Coal		6010	6004	5934	5946	5985	5960	5946	5948	5935	5934	5921	5957	5990	5953	5934	5950	5945	5923	5931	5972	6028	5957	6044	6009	6007	
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	
FKLG	U001	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	
PKLG	U002	146	146	146	145	145	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	
Total ST-Gas		289	289	289	288	288	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	
CBPS	GT1A	72	5	0	0	0	0	0	0	0	0	0	0	0	32	72	98	98	98	98	98	98	97	97	98	96	
CBPS	GT1B	87	87	87	87	88	87	88	87	88	87	87	87	87	88	85	85	92	90	90	90	89	88	88	88	89	
CBPS	ST1C	70	41	40	40	40	41	41	40	41	41	41	41	41	42	38	101	102	101	102	101	101	100	100	99	100	
GLGR	GT01	102	70	68	68	70	69	70	69	69	70	68	69	70	69	69	70	105	107	107	108	108	107	107	107	106	108
GLGR	GT02	98	65	66	66	66	66	66	66	66	66	66	66	66	66	66	103	104	104	103	103	103	103	104	104	104	
GLGR	ST1C	99	75	72	72	72	71	71	72	72	72	72	72	71	72	72	90	99	99	99	99	99	99	98	98	98	
KLPP	GT12	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
MPSS	GT01	96	66	69	68	68	68	67	68	68	68	67	68	69	68	68	102	104	104	103	102	102	100	100	99	98	
MPSS	GT02	97	70	70	69	68	70	72	70	71	71	70	71	69	70	71	101	107	105	104	104	104	100	100	102	101	
MPSS	ST01	108	66	66	66	66	66	66	66	65	65	66	66	66	65	65	96	111	112	112	112	112	111	111	111	110	
PAKA	GT1A	67	66	66	64	66	66	66	66	65	66	66	66	66	65	65	66	65	66	65	66	65	66	65	66	65	
PAKA	GT1B	66	64	64	64	65	65	65	64	64	64	65	65	64	64	65	64	64	64	64	64	64	64	64	64	64	
PAKA	ST1C	73	69	69	69	68	69	69	69	69	69	69	69	69	69	68	68	69	79	80	80	80	79	79	79	79	
PAKA	GT2A	66	65	64	64	66	65	65	65	64	65	64	65	66	65	63	65	65	64	64	64	64	64	64	64	64	
PAKA	GT2B	65	64	64	64	65	64	64	64	63	63	63	64	65	64	63	63	63	63	83	81	83	83	83	82	82	
PAKA	ST2C	81	78	77	77	77	77	77	77	77	77	77	77	77	78	77	78	77	78	87	87	89	89	89	89	88	
PAKA	GT3A	65	65	64	64	65	65	65	65	64	65	65	65	65	64	64	84	84	84	84	84	84	84	84	84	84	
PAKA	GT3B	65	64	64	64	65	65	65	64	63	65	64	63	65	64	64	83	82	83	82	81	80	80	80	80	80	
PAKA	ST3C	80	76	77	77	77	77	76	76	76	76	76	76	76	76	76	77	76	77	87	87	87	87	87	87	87	
PAKA	GT4A	93	93	92	91	92	92	91	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	
PAKA	GT4B	81	80	80	80	80	80	80	80	81	80	81	81	80	80	80	80	79	80	79	78	78	78	78	78	78	
PAKA	ST4C	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	
PGLA	GT11	230	232	232	170	176	172	172	172	171	172	167	173	176	230	231	176	169	166	175	210	228	226	223	223	178	
PGLA	GT12	231	230	230	169	176	171	171	172	170	171	168	172	175	230	230	175	168	166	174	208	226	225	223	224	178	
PGLA	ST10	250	250	250	209	206	206	205	205	205	204	204	205	207	247	249	216	202	203	209	224	240	247	248	248	209	
PGPS	GT3A	98	98	96	96	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	
PGPS	GT3B	94	95	93	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	
PGPS	ST3C	91	92	91	91	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	117	112	108	113	110	133	105	107		
SGB3	GT32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	96	113	118	116	144	113	111	115		
SGB3	GT33	115	117	118	117	115	117	117	117	117	117	116	116	116	116	119	139	115	111	112	114	140	107	108	111		
SGB3	ST34	64	63	63	62	62	62	62	60	60	61	61	61	61	61	61	64	68	141	159	205	205	201	220	204		

Daily MW Generation on Friday

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
LPIA	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PGAU	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
PGAU	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
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	-1	-1	-1	21	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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
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	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
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	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
TMGR	HY02	40	42	32	32	39	40	36	34	31	36	30	42	42	40	35	38	32	33	39	37	35	36	84	85
TMGR	HY03	0	0	0	0	0	34	82	80	34	29	41	41	39	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total Hydro		239	240	207	213	237	237	267	295	257	245	225	267	269	374	205	196	189	308	476	581	622	783	895	
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	9	10	10	10	9	10	10	9	10	9	9	9	7	7	6	8	7	7	5	6	6	4	5
PCUF	CUFK	23	24	27	26	25	23	23	24	24	26	23	23	26	26	25	25	25	26	26	27	26	23	22	23
Total Co-Gen		33	33	37	36	35	35	32	33	34	33	36	32	32	35	34	35	34	35	34	35	34	33	28	
Total Gen		12986	12580	12383	12211	12034	11869	11752	11719	11475	11483	11419	11435	11555	11837	11857	11760	12194	13215	13771	14302	14595	14933	15243	
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		31	30	30	30	30	31	31	30	30	31	31	30	30	29	30	30	30	30	30	30	31	31	30	30
TIE-PLTG		-126	-136	-84	-1	-81	-52	-52	-6	40	-21	36	1	-124	-1	94	6	37	59	-27	6	-23	-22	-49	
Interconnection		-96	-106	-54	29	-50	-21	-22	24	70	10	67	31	-94	29	124	36	67	89	3	37	8	8		
System Total		13082	12686	12437	12182	12084	11890	11774	11695	11405	11473	11352	11404	11649	11808	11733	11724	12127	13126	13768	14265	14587	14925	15261	
SRev ST-Coal		44	50	120	108	69	94	108	106	119	120	133	97	64	101	120	104	109	131	123	82	26	87	107	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-5	-5	-2	
SRev CCGT-Gas		505	766	649	837	1076	1156	1286	1350	1544	1522	1556	1614	1529	1318	1109	1214	1470	982	696	329	240	194	79	
SRev ST-Gas		74	73	73	74	74	74	74	75	75	74	74	74	74	74	75	79	9	0	-2	-2	-2	-2	-2	
SRev Co-Gen		11	11	7	8	9	9	12	11	10	11	8	12	12	9	10	9	10	12	12	12	10	10	11	
Syncon		827	827	827	676	827	827	827	827	827	827	676	827	676	827	676	474	474	625	625	625	625	625	625	625
Hydro		72	71	104	249	74	74	129	101	139	151	322	129	127	173	257	115	122	254	288	481	289	328	279	
S.Reserve Total		1523	1798	1780	1952	2129	2234	2436	2470	2714	2705	2769	2753	2633	2351	2246	2344	2617	2064	1593	1376	1183	1237		