

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,894 MW
Hydro	1,840 MW
Distillate	0 MW
Total TNB	8,814 MW
Total IPP	9,340 MW
Total Co-Gen	0 MW
Total System	18,724 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	69,421	20.06 %
Gas	79,126	22.86 %
Hydro	17,209	4.97 %
Total TNB	165,756	47.89 %
ST-Coal	86,806	25.08 %
Gas	93,659	27.06 %
Total IPP	180,465	52.14 %
Co-Gen	824	0.24 %
Total Co-Gen	824	0.24 %
Total Generation	347,045	100.26 %
PLTG	174	0.05 %
HVDC	723	0.21 %
Interconnection	897	0.26 %
Net Energy	346,148	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:	14:30:00 Hour
Total Set On Bus	17,607 MW
TNB Generation	7,970 MW
IPP Generation	8,523 MW
Spinning Reserve	1,082 MW
Maximum Demand	16,530 MW
Net Energy	346,148 MWH
Load Factor	87.25 %

Fuel Cost

Total Cost:	51,973,509.33 RM
Cost per Unit	15.75 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	373
Hydro	301
Syncon	431
Thermal	161
Total	1,266

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	27
CBPS	49
GLGR	55
PAKA	191
PGGS	11
PGPS	50
SRDG	16
TJGS	220
Total TNB	618
KLPP	83
MPSS	55
PDPS	38
PGLA	92
PKLG	14
PLPS	95
PTEK	19
SGB3	95
SGRI	165
YPGS	24
YPKA	81
Total IPP	760
Total Gas	1,378
Total Gas Required	1,378

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	13941	13283	12835	12460	12161	11923	12079	11972	12472	14368	15207	15993	15992	15614	16179	16487	16435	16000	15040	14713	15587	15445	15009	14622

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(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Thursday

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
KNRG	HY02	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
KNRG	HY03	36	36	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
KNYR	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
KNYR	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
KNYR	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
KNYR	HY04	97	97	97	97	59	69	93	97	60	62	59	61	66	64	62	70	60	61	60	61	60	60	61	60
LPIA	HY01	9	9	9	9	8	8	9	9	8	8	9	9	9	9	9	10	9	9	9	8	8	9	8	9
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	6	6	5	5	5	5	7	7	7
PGAU	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	21	21	21	21	21	21
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	-1	-1	21	0	-1	-1	-1	-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	50	50	50	50	50	50	50	50	50
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16	16
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16	16
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16	16
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16	16
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	80	73	80	77	80	80	80	80	80	80
TMGR	HY02	36	38	39	37	36	28	34	34	36	36	33	30	37	37	36	33	39	84	75	80	78	84	81	84
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	80	79	48	33	82	81
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	73	76	75	77	77	76	75	51	36	
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total Hydro		365	367	366	363	361	315	352	356	361	324	321	336	296	290	272	267	281	407	476	495	774	963	1076	1078
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
FCUF	CUFG	37	37	37	35	36	37	37	35	36	35	36	37	37	37	36	34	34	34	32	33	34	33	33	32
Total Co-Gen		37	37	37	35	36	37	37	35	36	35	36	37	37	37	36	34	34	34	32	33	34	33	33	32
Total Gen		13952	13556	13296	13023	12847	12599	12477	12338	12163	11995	11993	11989	12083	12222	12013	11923	12460	13492	14385	14869	15265	15753	16025	16203
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	31	31	30	29	31	29	31	31	30	31	31	29	29	30	29	29	31	29	29	29	29	29
TIE-PLTG		-18	-3	-18	-41	-18	25	-13	-31	-28	-4	40	13	-26	-7	12	-9	-42	-28	-13	-12	28	47	2	
Interconnection		11	27	13	-10	12	55	17	-2	2	27	70	42	4	23	41	21	-12	2	17	18	58	76	32	
System Total		13941	13529	13283	13033	12835	12544	12460	12340	12161	11968	11923	11947	12079	12199	11972	11980	12472	13490	14368	14851	15207	15677	15993	16226
SRev ST-Coal		103	110	123	150	184	204	151	153	124	135	130	138	141	122	182	79	118	98	126	158	135	144	200	196
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	82	182	167	97	106	318	319	304	70
SRev CCGT-Gas		335	486	478	700	794	972	1228	1347	1554	1676	1681	1693	1556	1430	1557	1659	1411	1045	407	274	305	129	211	157
SRev 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
SRev Co-Gen		7	7	9	8	7	7	9	8	9	8	7	7	7	8	7	7	8	10	10	12	11	10	11	11
Syncon		827	827	827	827	827	676	676	827	827	676	827	827	827	827	741	504	504	554	453	453	453	453	453	453
Hydro		69	67	68	71	73	119	233	79	73	110	113	249	138	120	114	119	105	65	233	214	285	247	243	241
S.Reserve Total		1341	1497	1503	1757	1886	2129	2275	2264	2586	2757	2759	2763	2609	2506	2688	2691	2468	1956	1278	1220	1371	1168	1286	1185