

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,702 MW
Hydro	1,836 MW
Distillate	0 MW
Total TNB	8,618 MW
Total IPP	9,364 MW
Total Co-Gen	0 MW
Total System	18,552 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	68,691	21.62 %
Gas	58,926	18.55 %
Hydro	12,015	3.78 %
Total TNB	139,632	43.96 %
ST-Coal	91,763	28.89 %
Gas	85,155	26.81 %
Total IPP	176,918	55.70 %
Co-Gen	1,383	0.44 %
Total Co-Gen	1,383	0.44 %
Total Generation	317,933	100.09 %
PLTG	-448	-0.14 %
HVDC	729	0.23 %
Interconnection	281	0.09 %
Net Energy	317,652	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:	20:00:00 Hour
Total Set On Bus	15,582 MW
TNB Generation	6,418 MW
IPP Generation	8,068 MW
Spinning Reserve	1,033 MW
Maximum Demand	14,531 MW
Net Energy	317,652 MWH
Load Factor	91.08 %

Fuel Cost

Total Cost:	42,194,371.06 RM
Cost per Unit	13.79 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	331
Hydro	297
Syncon	459
Thermal	69
Total	1,156

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	2
CBPS	46
GLGR	32
PAKA	97
PGPS	49
SRDG	2
TJGS	214
Total TNB	442
KLPP	44
MPSS	58
PDPS	9
PGLA	113
PKLG	9
PLPS	70
PTEK	7
SGB3	94
SGRI	167
YPKA	102
Total IPP	673
Total Gas	1,115

Total Gas Required 1,115

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	13591	12992	12498	12152	11887	11582	11601	11535	11332	12619	13457	14161	14124	13830	14091	14153	14139	13777	13404	13663	14531	14393	14106	13758

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(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Saturday

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	HY03	-1	20	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	50	49	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	36	34	35	34	34	35	36	31	34	34	35	36	35	36	37	32	35	39	37	30	35	34	84	83
TMGR	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
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	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		406	280	239	202	198	204	212	192	200	216	200	201	224	238	205	182	195	197	217	175	410	643	952	945
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	33	33	33	34	34	34	33	34	33	34	34	34	34	35	37	36	35	36	36	38	39	38	37	38
PCUF	CUFK	22	22	22	22	23	23	22	21	23	25	21	23	22	22	23	22	23	22	23	21	20	20	20	18
Total Co-Gen		55	55	55	56	57	57	55	55	56	59	55	57	56	56	57	58	56	57	56	57	56	55	54	54
Total Gen		13545	13296	12982	12783	12510	12319	12119	11939	11862	11712	11575	11580	11579	11654	11577	11269	11320	12073	12603	13132	13507	13864	14146	
TIE-BGAT		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	31	30	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	
TIE-PLTG		-77	9	-40	-26	-18	-18	-64	-11	-55	-84	-37	-31	-53	-47	12	-11	-42	-50	-46	7	20	-12	-46	
Interconnection		-46	40	-10	3	12	12	-33	20	-25	-55	-7	-1	-22	-16	42	19	-12	-20	-16	37	50	18	-15	
System Total		13591	13166	12992	12700	12498	12307	12152	11919	11837	11767	11582	11581	11601	11670	11535	11250	11332	12093	12619	13095	13457	13846	14161	
SRev ST-Coal		106	113	120	122	129	118	121	124	118	114	120	106	106	89	118	111	105	95	91	78	87	30	154	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev CCGT-Gas		300	438	459	448	460	668	871	1028	1120	1293	1404	1416	1439	1395	1411	1704	1670	930	706	355	235	229	221	
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	
SRev Co-Gen		-11	-11	-11	-12	-13	-13	-11	-11	-12	-15	-11	-13	-12	-12	-13	-14	-12	-13	-12	-13	-12	-13	-12	
Syncon		575	575	726	726	726	726	726	726	726	726	726	726	575	726	726	726	726	726	726	489	302	453	453	
Hydro		207	233	73	110	114	108	100	120	112	96	112	111	239	74	107	130	117	115	95	137	346	526	268	
S.Reserve Total		1177	1448	1367	1394	1416	1607	1807	1987	2064	2214	2351	2346	2347	2272	2349	2657	2696	1853	1696	1283	1145	1074	1084	