

Availability at Daily Maximum Demand Hour

ST-Coal	1,980 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,628 MW
Hydro	2,110 MW
Distillate	0 MW
Total TNB	8,718 MW
Total IPP	8,303 MW
Total Co-Gen	32 MW
Total System	17,623 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	51,189	17.23 %
Gas	84,101	28.30 %
Hydro	24,432	8.22 %
Total TNB	159,722	53.75 %
ST-Coal	88,636	29.83 %
Gas	48,506	16.32 %
Total IPP	137,142	46.15 %
Co-Gen	514	0.17 %
Total Co-Gen	514	0.17 %
Total Generation	297,378	100.08 %
PLTG	-400	-0.13 %
HVDC	640	0.22 %
Interconnection	240	0.08 %
Net Energy	297,138	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	14,476 MW
TNB Generation	7,464 MW
IPP Generation	6,185 MW
Spinning Reserve	805 MW
Maximum Demand	13,650 MW
Net Energy	297,138 MWH
Load Factor	90.70 %

Fuel Cost

Total Cost:	37,150,060.35 RM
Cost per Unit	13.61 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	461
Hydro	326
Syncon	304
Thermal	70
Total	1,161

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
CBPS	9
GLGR	49
NPRI	136
PAKA	158
PGGS	4
PGPS	42
SRDG	10
TJGS	219
Total TNB	627
KLPP	93
MPSS	49
PGLA	112
PKLG	7
PLPS	50
SGRI	78
Total IPP	389
Total Gas	1,016
Total Gas Required	1,016

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	13122	12589	12171	11781	11414	11199	11225	11145	10862	11539	12235	12894	12832	12623	12823	12872	12770	12550	12440	12597	13650	13515	13155	12895

Prepared By: -Select Name-

Checked By: -Select Name-

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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
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	29	34	35	33	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	81	83	78	79	82	76	82	81
TMGR	HY02	29	34	35	32	33	34	34	32	29	29	36	36	34	34	28	37	37	82	81	82	79	80	81	77
TMGR	HY03	28	33	33	31	32	33	32	0	0	0	0	0	0	0	0	0	82	82	82	75	76	77	79	82
TMGR	HY04	31	35	36	34	35	36	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	77	77	78	74	78	77	77	77
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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		1129	1184	971	883	741	475	353	207	201	202	181	182	212	212	195	182	181	190	190	676	850	909	1239	
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	
PCUF	CUFG	4	5	4	4	3	3	4	4	2	2	3	3	3	3	3	4	3	3	2	4	4	3	3	3
PCUF	CUFK	18	17	18	18	18	19	18	21	18	19	18	17	17	17	18	17	18	17	17	18	20	18	17	18
Total Co-Gen		22	22	22	22	21	22	22	25	20	21	20	21	20	20	20	24	22	20	21	20	21	22	23	
Total Gen		13189	12961	12668	12287	12198	11916	11838	11641	11447	11426	11280	11242	11225	11285	11189	11038	10849	11237	11454	11976	12232	12670	12930	
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		30	30	30	31	31	30	30	30	31	31	30	30	31	31	30	30	30	30	31	30	31	30	30	30
TIE-PLTG		37	62	48	-5	-3	-21	27	-23	3	23	51	-36	-30	-28	13	16	-44	-19	-115	-54	-33	-21	6	
Interconnection		67	92	79	26	27	9	57	7	33	53	81	-5	0	2	44	46	-13	11	-85	-23	-3	9		
System Total		13122	12869	12589	12261	12171	11987	11781	11634	11414	11373	11199	11247	11225	11283	11145	10992	10862	11226	11539	11999	12235	12661	12894	
SRev ST-Coal		80	123	104	59	54	74	1	39	105	86	108	188	18	51	28	38	28	39	119	46	62	52	69	
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	0
SRev CCGT-Gas		757	849	838	1076	1027	1024	1053	969	1106	1048	1151	1109	927	833	935	1063	1263	871	597	577	503	368	439	
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		10	10	10	10	11	10	10	7	12	11	11	12	11	12	12	10	12	12	12	8	10	12	11	
Syncon		0	0	101	101	202	565	802	802	802	953	953	953	953	953	953	953	953	953	615	766	766	529	529	
Hydro		702	647	609	697	513	416	301	261	267	265	160	159	129	129	146	135	160	127	127	212	87	78	337	
S.Reserve Total		1549	1629	1662	1943	1807	2089	2167	2078	2292	2363	2383	2421	2038	1978	2074	2201	2414	2002	1808	1462	1426	1274	1386	