

Availability at Daily Maximum Demand Hour

ST-Coal	2,390 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,123 MW
Hydro	1,870 MW
Distillate	0 MW
Total TNB	8,383 MW
Total IPP	9,952 MW
Total Co-Gen	70 MW
Total System	18,975 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	52,561	15.99 %
Gas	63,503	19.31 %
Hydro	14,086	4.28 %
Total TNB	130,150	39.59 %
ST-Coal	108,920	33.13 %
Gas	88,065	26.79 %
Total IPP	196,985	59.91 %
Co-Gen	1,678	0.51 %
Total Co-Gen	1,678	0.51 %
Total Generation	328,813	100.01 %
PLTG	-693	-0.21 %
HVDC	723	0.22 %
Interconnection	30	0.01 %
Net Energy	328,783	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:	11:30:00 Hour
Total Set On Bus	16,785 MW
TNB Generation	6,296 MW
IPP Generation	9,213 MW
Spinning Reserve	1,207 MW
Maximum Demand	15,558 MW
Net Energy	328,783 MWH
Load Factor	88.05 %

Fuel Cost

Total Cost:	44,698,087.70 RM
Cost per Unit	14.20 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	457
Hydro	330
Syncon	502
Thermal	91
Total	1,380

Time	Weather	Temperature
Afternoon	Sunny	34
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
CBPS	14
CBPS	59
GLGR	56
NPRI	51
PAKA	50
PGGS	16
SRDG	13
TJGS	222
Total TNB	482
KLPP	107
MPSS	57
PDPS	30
PGLA	59
PKLG	16
PLPS	96
PTEK	35
SGB3	55
SGRI	202
SKSP	58
Total IPP	715
Total Gas	1,197
Total Gas Required	1,197

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	13444	12705	12204	11883	11537	11363	11530	11788	12059	13934	14743	15420	15426	14884	14995	15364	15358	15098	14314	14539	14585	14387	13857	13477

Prepared By: Mohd Yusof bin Ismail

Checked By: Kannathason a/I Karuppiah

Printed on: Saturday, November 21, 2015 8:37:00 AM

(Gurcharan Singh)
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		
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	-1	
PGAU	HY03	-1	-1	-1	-1	-1	-1	19	-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	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	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	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	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	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	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	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	0	
TMGR	HY01	39	34	34	31	42	38	30	36	40	37	40	40	84	80	32	33	30	53	43	51	44	42	42	40	39	39
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	-1	
TMGR	HY03	37	32	32	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	-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	4	
UPIA	HY02	4	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 Hydro		291	252	251	214	235	229	217	243	229	251	224	231	242	393	384	216	218	215	809	642	672	884	979	1090	1081	799
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	0	
PCUF	CUFG	40	41	42	42	41	40	41	41	40	41	41	42	41	42	41	41	39	40	40	38	39	38	40	40	42	41
PCUF	CUFK	29	29	29	29	28	29	27	26	30	28	29	28	29	28	28	28	29	29	30	29	30	31	30	29	31	30
Total Co-Gen		69	70	71	71	69	69	68	67	70	69	70	70	70	70	69	69	68	69	69	68	69	70	67	69	71	70
Total Gen		13484	12821	12626	12268	12165	12001	11883	11621	11489	11471	11384	11512	11538	11860	11816	11800	12102	13040	14012	14517	14757	15165	15481	15578	15450	15139
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	0	
TIE-HVDC		30	30	31	31	30	30	30	30	30	30	30	31	31	30	30	30	31	31	31	31	29	29	30	30	30	30
TIE-PLTG		10	-42	-110	-89	-69	-6	-30	-14	-78	-21	-8	-22	-23	-57	-2	-8	13	-1	49	89	-16	-11	30	-11	-7	
Interconnection		40	-11	-79	-58	-39	24	0	16	-48	9	21	7	8	-27	28	22	43	28	78	118	14	20	61	20	24	
System Total		13444	12821	12705	12326	12204	11977	11883	11605	11537	11462	11363	11505	11530	11887	11788	11778	12059	13012	13934	14399	14743	15145	15420	15558	15426	15105
SRev ST-Coal		101	119	116	112	90	116	114	102	99	98	123	89	99	101	113	109	101	141	128	129	113	102	93	104	128	119
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	166	167	170	178	197	184	222	233
SRev CCGT-Gas		394	610	375	147	290	419	530	828	952	988	1025	939	915	581	606	745	967	622	294	157	240	149	150	168	231	253
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	0	
SRev Co-Gen		1	0	-1	-1	1	1	2	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Syncon		676	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827
Hydro		271	155	156	108	87	93	105	230	93	222	98	91	104	80	89	106	104	107	203	447	417	429	383	272	281	312
S.Reserve Total		1443	1715	1477	1197	1299	1460	1582	1843	1975	1989	2077	1950	1949	1442	1488	1791	2004	1702	1034	1228	1267	1188	1302	1207	1339	1646