

Availability at Daily Maximum Demand Hour

ST-Coal	2,130 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,530 MW
Hydro	1,811 MW
Distillate	0 MW
Total TNB	7,471 MW
Total IPP	10,154 MW
Total Co-Gen	0 MW
Total System	18,180 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	46,062	15.37 %
Gas	49,480	16.51 %
Hydro	18,465	6.16 %
Total TNB	114,007	38.04 %
ST-Coal	118,680	39.60 %
Gas	66,192	22.09 %
Total IPP	184,872	61.69 %
Co-Gen	1,069	0.36 %
Total Co-Gen	1,069	0.36 %
Total Generation	299,948	100.09 %
PLTG	977	0.33 %
HVDC	-699	-0.23 %
Interconnection	278	0.09 %
Net Energy	299,670	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	14,783 MW
TNB Generation	5,304 MW
IPP Generation	8,452 MW
Spinning Reserve	986 MW
Maximum Demand	13,747 MW
Net Energy	299,670 MWH
Load Factor	90.83 %

Fuel Cost

Total Cost:	34,311,952.25 RM
Cost per Unit	12.18 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	308
Hydro	119
Syncon	402
Thermal	33
Total	862

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
GLGR	56
PAKA	46
PGPS	38
SRDG	7
TJGS	215
Total TNB	361

KLPP	98
PDPS	7
PGLA	55
PKLG	5
PLPS	13
PTEK	6
SGB3	82
SGRI	145
SKSP	48
YPKA	69
Total IPP	527

Total Gas 888

Total Gas Required 888

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	12915	12237	11834	11461	11191	10951	11060	10989	10850	12043	12825	13397	13354	12948	13243	13128	13175	12930	12544	12721	13747	13588	13222	12935

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																										
Total Hydro		807	815	720	626	615	616	601	605	598	605	602	601	636	608	597	576	571	578	739	870	909	970	1105	1079	1074	815	729	717	823	872	868	833	821	770	752	698	692	692	697	813	938	940	932	935	934	874	781	694		
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	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	25	7	7	6	6	6	6	7	6	7	7	6	6	7	7	8	8	9	7	8	7	7	7	7	7	6	7	6	6	5	7	6	7	7	8	7	7	7	7	6	7	7	7	6	6	6	5			
PCUF	CUFK	37	37	39	38	39	39	41	36	40	39	39	39	40	39	38	38	40	39	39	38	38	38	38	39	37	38	39	36	38	36	35	38	35	36	35	37	36	37	35	36	35	36	36	35	36	36	37	37		
Total Co-Gen		62	44	46	44	45	45	47	43	46	46	46	45	46	46	45	46	48	48	46	46	45	45	45	46	43	45	45	42	45	42	40	45	41	43	42	45	43	44	42	43	41	43	43	42	42	42	42	43	42	
Total Gen		12918	12691	12315	12055	11829	11648	11429	11322	11142	11254	10958	10951	11055	11065	10939	10995	10844	11549	12088	12444	12870	13164	13449	13562	13399	13069	12937	13104	13220	13332	13197	13252	13179	13169	12972	12756	12618	12474	12704	13307	13797	13696	13601	13526	13259	13042	12879	12718		
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	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	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		32	55	107	27	24	-22	-3	27	-20	62	37	19	23	23	-21	62	23	58	74	15	74	133	82	34	74	-54	18	33	6	51	98	25	33	96	72	60	103	50	12	34	78	-8	43	126	67	9	-26	28		
Interconnection		3	26	78	-2	-5	-51	-32	-2	-49	33	7	-10	-5	-5	-50	32	-6	29	45	-14	45	104	52	5	45	-83	-11	5	-23	21	69	-4	4	67	42	30	74	21	-17	4	50	-36	13	96	37	-21	-56	-2		
System Total		12915	12665	12237	12057	11834	11699	11461	11324	11191	11221	10951	10961	11060	11070	10989	10963	10850	11520	12043	12458	12825	13060	13397	13557	13354	13152	12948	13099	13243	13311	13128	13256	13175	13102	12930	12726	12544	12483	12721	13303	13747	13732	13588	13430	13222	13063	12935	12720		
SRev ST-Coal		200	167	144	158	190	232	228	224	182	190	167	174	185	171	163	184	172	85	107	49	29	56	24	34	46	68	37	-2	38	27	46	86	34	52	68	81	78	112	101	38	41	26	21	55	23	39	14	23		
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	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	0
SRev CCGT-Gas		316	287	463	420	461	516	742	922	1140	1027	1343	1341	1262	1238	1360	1263	1423	812	523	512	335	176	250	140	279	299	318	200	225	159	205	248	356	357	502	654	776	978	779	326	197	324	321	257	424	436	389	373		
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	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		14	32	30	32	31	31	29	33	30	30	30	31	30	30	31	30	28	28	30	30	31	31	31	31	30	33	31	31	34	31	34	36	31	35	33	34	31	33	32	34	33	35	33	33	34	34	34	33	34	
Syncon		322	322	624	624	624	624	624	624	624	624	473	624	624	624	624	453	453	453	453	302	453	453	536	624	473	541	541	541	541	541	473	624	624	624	624	624	473	541	541	541	541	541	541	541	541	541	541	624		
Hydro		479	471	201	195	206	205	220	216	223	216	219	220	336	213	213	84	89	82	155	130	141	130	246	121	126	72	70	233	167	193	197	182	194	313	180	152	158	158	153	238	127	124	132	129	130	109	102	105		
S.Reserve Total		1331	1279	1462	1429	1512	1608	1843	2019	2199	2087	2383	2390	2286	2276	2416	2185	2336	1631	1268	1174	989	1067	1002	889	1052	1152	1226	1079	1139	1107	1133	1198	1272	1228	1408	1542	1669	1904	1691	1108	986	1081	1216	1098	1147	1159	1079	1159		