

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,640 MW
Hydro	1,798 MW
Distillate	0 MW
Total TNB	7,508 MW
Total IPP	10,795 MW
Total Co-Gen	0 MW
Total System	18,873 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	41,659	13.36 %
Gas	55,295	17.73 %
Hydro	9,223	2.96 %
Total TNB	106,177	34.05 %
ST-Coal	102,798	32.97 %
Gas	101,095	32.42 %
Total IPP	203,893	65.39 %
Co-Gen	1,987	0.64 %
Total Co-Gen	1,987	0.64 %
Total Generation	312,057	100.08 %
PLTG	-263	-0.08 %
HVDC	527	0.17 %
Interconnection	264	0.08 %
Net Energy	311,793	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	16,201 MW
TNB Generation	5,481 MW
IPP Generation	9,638 MW
Spinning Reserve	999 MW
Maximum Demand	15,177 MW
Net Energy	311,793 MWH
Load Factor	85.60 %

Fuel Cost

Total Cost:	46,085,855.58 RM
Cost per Unit	15.22 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	262
Hydro	138
Syncon	572
Thermal	13
Total	985

Time Weather Temperature

Afternoon	Cloudy	33
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	8
CBPS	30
GLGR	56
PAKA	29
PGPS	49
SRDG	26
TJGS	221
Total TNB	418
KLPP	102
MPSS	50
PDPS	8
PGLA	94
PLPS	101
PTEK	8
SGB3	92
SGRI	167
SKSP	50
YPGS	47
YPKA	77
Total IPP	796
Total Gas	1,214
Total Gas Required	1,214

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	11500	10928	10603	10330	10127	10196	10583	10766	11456	13350	14400	15046	14903	14525	14892	15047	15039	14723	13883	13938	14417	14140	13554	13041

Daily MW Generation on Monday

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	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	28	28	30	31	29	26	31	26	28	31	33	31	45	37	28	28	37	38	35	46	26	27	27	31	22	27	26	31	30	37	31	29	28	83	83	84	84	84	83	84	82	82	83	30	30	28	29	28				
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	-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	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		
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
UPLA	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	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		
UPLA	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	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	4		
Total Hydro		286	196	177	179	197	168	174	167	194	171	177	175	226	315	320	322	338	362	336	495	583	580	581	558	604	356	367	459	613	612	536	510	508	423	330	330	330	230	233	622	753	828	648	489	379	290	227	229				
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	0	0	0
PCUF	CUFG	45	46	46	47	45	45	48	45	45	46	46	46	47	48	47	47	48	49	47	48	46	46	48	47	48	48	49	49	48	49	49	48	49	49	49	48	48	49	49	49	49	49	49	48	48	49	49	49	49	49	49	
PCUF	CUFK	33	34	35	35	35	36	36	36	35	35	36	36	36	36	36	37	36	36	36	33	33	34	35	35	35	34	34	34	34	37	34	36	35	36	35	35	36	35	34	36	36	36	37	35	36	35	35	37	37	37	37	37
Total Co-Gen		78	80	81	82	80	81	84	81	80	81	82	82	82	83	84	83	84	84	85	80	81	80	81	83	82	82	82	83	83	85	83	84	84	85	83	84	85	83	82	85	85	85	86	83	84	84	84	84	86	86	86	
Total Gen		11581	11054	10937	10809	10623	10532	10363	10127	10084	10163	10217	10315	10481	10926	10784	10910	11447	12661	13366	13844	14440	14765	15071	15203	14979	14694	14560	14626	14919	15125	14973	15000	15024	15067	14732	14265	13904	13625	13950	14514	14430	14279	14146	13922	13549	13169	13056	12679	12679	12679		
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	0	0	0
TIE-HVDC		30	31	31	30	30	29	29	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
TIE-PLTG		51	-41	-21	7	-11	50	4	19	-74	-37	-8	-21	-132	5	-12	4	-39	54	-13	-80	10	30	-5	-5	46	-16	4	-23	-3	-59	-104	-71	-45	8	9	33	21	-19	12	10	13	-22	6	-12	-5	-28	-14	3	3	3		
Interconnection		81	-10	9	37	20	80	33	50	-43	-8	21	9	-102	35	18	34	-9	84	16	-50	40	60	25	24	76	14	35	8	27	-29	-74	-41	-15	8	9	33	21	-19	12	10	13	-22	6	-12	-5	-28	15	33	33			
System Total		11580	11064	10928	10772	10603	10452	10330	10077	10127	10171	10196	10306	10583	10891	10766	10876	11456	12577	13350	13894	14400	14705	15046	15179	14903	14680	14525	14618	14892	15154	15047	15041	15039	15059	14723	14232	13883	13644	13938	14504	14417	14301	14140	13934	13554	13197	13041	12646	12646	12646		
SRev ST-Coal		126	59	25	15	11	15	16	29	6	118	113	1	8	18	5	25	14	-18	6	4	21	-32	99	30	16	-19	-49	34	36	11	9	-10	-7	22	27	37	30	39	42	43	110	76	32	29	23	17	35	30	30			
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	0	0
SRev CCGT-Gas		632	1072	776	917	1123	1202	1359	1572	1664	1427	1346	1421	1299	1238	1269	1227	1300	516	491	254	408	165	165	114	251	248	419	385	239	246	232	203	174	92	242	390	617	715	289	116	99	309	257	322	398	499	427	607	607			
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	0	0
SRev Co-Gen		-2	-4	-5	-6	-4	-5	-8	-5	-4	-5	-6	-6	-7	-8	-7	-8	-8	-9	-4	-5	-4	-5	-7	-6	-6	-6	-7	-7	-9	-7	-8	-8	-9	-7	-8	-9	-7	-6	-9	-9	-9	-10	-7	-8	-8	-8	-10	-10	-10			
Syncon		723	723	723	723	572	723	723	723	572	723	723	723	723	572	723	723	572	723	572	637	723	723	723	723	824	824	824	723	572	572	723	723	723	723	723	723	723	723	723	723	723	723	723	723	723	723	723	723	723	723		
Hydro		119	157	126	124	252	130	124	131	255	123	121	123	122	184	128	126	115	243	118	260	253	256	255	123	79	126	140	123	70	197	198	73	75	160	71	67	71	67	59	171	189	214	150	159	118	262	124	122	122			
S.Reserve Total		1598	2007	1645	1773	1959	2070	2219	2455	2498	2391	2302	2267	2151	2010	2122	2099	2144	1305	1329	1089	1315	1100	1109	998	1136	1321	1480	1539	1246	1145	1093	1066	1107	1104	1257	1383	1432	1541	1116	902	965	1166	1005	1079	1258	1342	1299	1472	1472			