

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,955 MW
Hydro	1,707 MW
Distillate	0 MW
Total TNB	7,732 MW
Total IPP	11,036 MW
Total Co-Gen	0 MW
Total System	18,768 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	49,048	15.21 %
Gas	57,480	17.83 %
Hydro	10,444	3.24 %
Total TNB	116,972	36.28 %
ST-Coal	98,048	30.41 %
ST-Gas	2,575	0.80 %
Gas	103,403	32.07 %
Total IPP	204,026	63.28 %
Co-Gen	1,631	0.51 %
Total Co-Gen	1,631	0.51 %
Total Generation	322,629	100.07 %
PLTG	-501	-0.16 %
HVDC	731	0.23 %
Interconnection	230	0.07 %
Net Energy	322,399	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:	14:30:00 Hour
Total Set On Bus	16,803 MW
TNB Generation	6,149 MW
IPP Generation	9,712 MW
Spinning Reserve	879 MW
Maximum Demand	15,841 MW
Net Energy	322,399 MWH
Load Factor	84.80 %

Fuel Cost

Total Cost:	49,570,412.54 RM
Cost per Unit	15.88 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	357
Hydro	179
Syncon	470
Thermal	25
Total	1,031

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	27

Gas Usage

Station	(mmsefd)
CBPS	9
CBPS	36
GLGR	57
PAKA	33
PGPS	41
SRDG	43
TJGS	220
Total TNB	438
KLPP	101
MPSS	40
PDPS	18
PGLA	114
PKLG	7
PLPS	96
PTEK	15
SGB3	92
SGRI	163
SKSP	49
YPGS	64
YPKA	55
PKLG	25
Total IPP	839
Total Gas	1,277
Total Gas Required	1,277

Alternate Fuel Usage

Station	(mmsefd)
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	12097	11564	11046	10905	10719	10437	10658	10826	11650	13675	14734	15487	15341	14995	15542	15762	15689	15214	14207	14539	14685	14462	14005	13379

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																									
PGAU	HY01	0	0	0	0	0	0	0	0	0	0	21	114	114	114	84	85	86	86	128	148	148	149	149	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	132	149	149	149	150	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1										
PGAU	HY03	-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										
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
SIHY	HY01	30	30	30	30	29	30	30	30	30	30	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										
SIHY	HY02	30	30	30	30	30	30	30	30	30	30	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									
SIHY	HY03	30	30	30	30	30	30	30	30	30	30	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									
SYPS	HY01	16	16	16	16	16	16	16	16	16	16	0	0	0	0	0	0	0	0	16	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25									
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
SYPS	HY04	16	16	16	16	16	16	16	16	16	16	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25									
TMGR	HY01	29	32	32	31	28	35	32	32	33	33	31	37	33	37	33	33	33	33	35	34	36	35	32	33	33	31	32	30	32	33	36	35	31	33	33	35	34	31	33	31	33	32	33	31	33				
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					
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					
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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5					
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5					
Total Hydro		355	367	367	365	353	371	366	365	414	370	368	255	247	255	266	243	265	249	515	732	782	775	942	912	757	495	454	446	616	953	731	635	589	317	289	187	185	187	201	351	343	348	352	354	333	362	332	341	
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	
PCUF	CUFG	38	41	38	39	39	39	41	41	42	40	40	39	39	40	40	40	39	36	37	35	38	37	35	35	35	36	36	37	37	37	35	37	38	37	38	39	37	38	35	37	39	38	39	40	40	38			
PCUF	CUFK	32	32	35	33	35	34	34	35	34	35	35	33	33	32	34	34	32	31	31	25	26	25	26	27	23	24	24	26	26	27	25	26	26	27	27	27	28	27	27	27	28	27	31	32	32	32	34	33	
Total Co-Gen		70	73	73	72	74	73	75	76	76	75	75	72	72	74	74	71	67	68	60	64	62	61	62	58	59	60	62	63	64	62	61	63	65	64	66	66	64	65	63	64	70	70	71	72	74	71			
Total Gen		12145	11811	11560	11360	11129	11112	10933	10709	10780	10553	10504	10637	10721	10960	10860	10959	11672	12919	13691	14242	14692	15040	15425	15509	15348	15076	15007	15280	15537	15924	15796	15733	15699	15563	15235	14663	14270	14110	14530	14894	14702	14760	14454	14418	13968	13742	13423	13090	
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	
TIE-HVDC		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	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30		
TIE-PLTG		18	-66	-35	-11	53	-104	-2	11	-50	24	37	-84	33	-28	3	1	-8	-24	-15	-70	-73	-69	-92	-26	-23	-62	-19	-14	-37	51	3	-31	-21	-9	-9	-37	32	6	-40	-5	-13	-21	-39	-25	-67	11	14	-70	
Interconnection		48	-36	-4	20	83	-74	28	42	-19	54	67	-54	63	2	34	32	22	6	16	-40	-42	-38	-62	4	7	-32	12	17	-5	82	34	-1	10	22	21	-6	63	37	-9	25	17	9	-8	6	-37	41	44	-40	
System Total		12097	11847	11564	11340	11046	11186	10905	10667	10719	10499	10437	10691	10658	10958	10826	10927	11650	12913	13675	14282	14734	15078	15487	15505	15341	15108	14995	15263	15542	15842	15762	15734	15689	15541	15214	14669	14207	14073	14539	14869	14685	14751	14462	14412	14005	13701	13379	13130	
SRev ST-Coal		66	27	67	5	6	-70	-62	-35	-60	-56	-50	22	25	21	34	5	27	26	24	32	31	26	19	28	0	9	21	10	15	0	-3	7	1	21	37	25	24	22	20	26	33	29	37	17	33	26	35	29	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	121	206	152	126	75	122	195	192	258	71	121	141	171	163	199	197	258	159	98	98	33	30	39	37	170	0	0	0	0	0	0
SRev CCGT-Gas		537	376	587	842	1062	1172	1340	1537	1620	1718	1759	1606	1508	1384	1482	1707	1409	564	517	309	418	294	176	260	251	282	248	175	177	198	308	347	358	214	510	433	496	660	293	77	242	196	282	123	397	248	470	400	
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
SRev Co-Gen		6	3	3	4	2	3	1	0	0	1	1	1	4	4	4	2	2	5	9	8	16	12	14	15	14	18	17	16	14	13	12	14	15	13	11	12	10	10	12	11	13	12	6	6	5	4	2	5	
Syncon		579	579	579	579	579	579	579	579	428	579	579	579	579	579	428	579	579	730	579	327	478	478	478	478	478	730	730	730	579	327	478	428	428	579	730	730	730	730	730	730	730	730	579	730	730	579	730	730	
Hydro		201	189	188	190	202	184	189	190	292	147	149	62	65	57	195	67	236	101	235	420	219	226	209	190	310	220	261	269	250	165	136	132	128	249	127	129	126	124	110	160	172	167	289	136	156	278	158	149	
S.Reserve Total		1389	1174	1424	1620	1851	1868	2047	2271	2280	2389	2438	2270	2186	2050	2148	2365	2258	1431	1490	1307	1319	1167	974	1098	1248	1481	1566	1302	1189	879	1139	1132	1135	1271	1471	1486	1488	1648	1201	1037	1228	1170	1382	1011	1320	1134	1394	1354	