

Availability at Daily Maximum Demand Hour

ST-Coal	1,990 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	5,526 MW
Hydro	1,987 MW
Distillate	0 MW
Total TNB	<u>9,503 MW</u>
Total IPP	<u>9,617 MW</u>
Total Co-Gen	<u>5 MW</u>
Total System	<u>19,689 MW</u>

Generation Mix

Type	MWh	Percentage
ST-Coal	47,500	15.16 %
Gas	61,691	19.69 %
Hydro	7,753	2.47 %
Total TNB	116,944	37.32 %
ST-Coal	131,112	41.84 %
Gas	63,725	20.34 %
Total IPP	194,837	62.17 %
Co-Gen	529	0.17 %
Total Co-Gen	529	0.17 %
Total Generation	312,310	99.66 %
PLTG	-369	-0.12 %
HVDC	-697	-0.22 %
Interconnection	-1,066	-0.34 %
Net Energy	313,376	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:	20:30:00 Hour
Total Set On Bus	15,195 MW
TNB Generation	5,414 MW
IPP Generation	8,864 MW
Spinning Reserve	888 MW
Maximum Demand	14,361 MW
Net Energy	313,376 MWH
Load Factor	90.92 %

Fuel Cost

Total Cost:	40,044,837.95 RM
Cost per Unit	13.14 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	317
Hydro	205
Syncon	756
Thermal	33
Total	1,311

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	26

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	13561	12918	12414	12022	11660	11601	11465	11547	11303	12475	13260	13928	13794	13566	13753	13839	13858	13605	13024	13083	14317	14264	13887	13720

Gas Usage		Alternate Fuel Usage	
Station	(mmscfd)	Station	(mmscfd)
CBPS	10	Total	0
GLGR	53		
NPRI	102		
PGGS	4		
PGPS	39		
SRDG	9		
TJGS	216		
Total TNB	434		
KLPP	93		
PGLA	107		
PKLG	5		
PLPS	90		
SGB3	1		
SGRI	170		
SKSP	26		
Total IPP	491		
Total Gas	925		
Total Gas Required	925		

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																											
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	-28																											
TIE-PLTG		-36	52	-40	6	5	-17	-12	-18	-34	-40	-42	-42	36	-13	-2	-15	-17	-13	-91	24	29	-57	-90	-98	62	5	22	-76	0	-52	-31	-38	-14	14	-24	-30	-61	-20	24	-5	-13	-25	13	-7	90	-55	7	-1			
Interconnection		-65	23	-69	-23	-24	-46	-41	-47	-63	-69	-71	-71	7	-42	-31	-44	-47	-43	-120	-5	-1	-86	-119	-128	33	-24	-7	-105	-29	-81	-61	-67	-44	-15	-53	-59	-90	-48	-5	-34	-43	-54	-15	-36	61	-84	-22	-29			
System Total		13561	13176	12918	12622	12414	12185	12022	11929	11660	11661	11601	11411	11465	11632	11547	11395	11303	11935	12475	12815	13260	13612	13928	13987	13794	13616	13566	13731	13753	13951	13839	13851	13858	13811	13605	13399	13024	13011	13083	13766	14317	14361	14264	14154	13887	13910	13720	13574			
SRev ST-Coal		25	48	15	13	15	23	37	31	90	37	29	53	65	60	33	19	7	2	27	29	66	62	8	24	30	20	26	38	60	11	37	61	19	-59	50	111	81	4	14	-27	10	38	49	44	10	23	51	39			
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	56	5	113	112	84	12	29	68	71	69	36	0	0	0	0	0	0	0	0	0	0	25	8	68	6	82	0
SRev CCGT-Gas		238	363	462	577	484	495	639	742	951	1030	1098	1281	1635	1526	1565	1735	1835	1213	868	752	323	153	176	303	414	447	331	177	106	84	117	166	176	259	351	335	886	941	900	420	99	120	203	102	522	283	259	259			
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		-16	-15	-18	-15	-16	-17	-19	-17	-18	-19	-17	-17	3	2	2	1	1	2	2	3	2	2	1	1	2	1	0	-16	-15	-14	-16	-15	-16	-16	-16	-17	-16	-17	-16	-17	-16	-18	-18	-17	-18	-20	-20	-18			
Syncon		852	852	852	852	550	852	852	852	852	852	701	852	852	852	852	852	852	852	852	852	852	701	701	298	399	852	852	852	852	852	852	852	852	852	852	852	852	852	852	852	550	550	852	852	399	701	701				
Hydro		123	121	122	121	189	120	122	119	120	120	254	120	117	109	119	119	126	116	116	128	123	406	150	347	306	53	198	248	245	250	119	119	120	122	131	109	138	132	127	170	111	198	381	248	139	463	209	249			
S.Reserve Total		1322	1469	1533	1648	1322	1573	1731	1830	2094	2120	2182	2372	2775	2657	2661	2826	2921	2285	1965	1764	1366	1324	1036	1029	1156	1486	1519	1383	1260	1212	1177	1254	1220	1194	1368	1390	1941	1912	1877	1398	1056	888	1190	1237	1573	1154	1282	1230			