

Availability at Daily Maximum Demand Hour

ST-Coal	2,050 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,643 MW
Hydro	1,805 MW
Distillate	0 MW
Total TNB	7,498 MW
Total IPP	10,676 MW
Total Co-Gen	0 MW
Total System	18,744 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	48,230	15.18 %
Gas	55,348	17.41 %
Hydro	9,446	2.97 %
Total TNB	113,024	35.56 %
ST-Coal	101,428	31.91 %
Gas	102,025	32.10 %
Total IPP	203,453	64.01 %
Co-Gen	1,991	0.63 %
Total Co-Gen	1,991	0.63 %
Total Generation	318,468	100.20 %
PLTG	-81	-0.03 %
HVDC	726	0.23 %
Interconnection	645	0.20 %
Net Energy	317,823	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	16,012 MW
TNB Generation	5,514 MW
IPP Generation	9,527 MW
Spinning Reserve	891 MW
Maximum Demand	15,145 MW
Net Energy	317,823 MWH
Load Factor	87.43 %

Fuel Cost

Total Cost:	46,910,085.09 RM
Cost per Unit	15.18 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	242
Hydro	134
Syncon	492
Thermal	35
Total	903

Time	Weather	Temperature
Afternoon	Cloudy	33
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	7
CBPS	48
GLGR	55
PAKA	27
PGPS	43
SRDG	21
TJGS	216
Total TNB	418
KLPP	112
MPSS	51
PDPS	4
PGLA	112
PLPS	94
PTEK	8
SGB3	83
SGRI	157
SKSP	33
YPGS	70
YPKA	69
Total IPP	794
Total Gas	1,212
Total Gas Required	1,212

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	12352	11621	11205	11105	10767	10694	11058	11268	11789	13618	14387	15031	14869	14417	14917	15031	15062	14714	13837	14188	14447	14182	13606	13058

Daily MW Generation on Tuesday

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	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	25	25	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
TMGR	HY01	29	28	30	29	29	29	29	24	25	29	26	24	34	33	26	36	25	27	37	0	0	0	0	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	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	86	86	86	84	83	83	82	83	-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				
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					
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	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	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		222	172	197	175	174	174	174	167	168	173	168	167	181	203	204	189	170	177	383	437	539	713	824	814	788	358	309	310	462	575	530	517	557	703	486	353	286	242	608	966	922	726	691	458	204	214	218	202			
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	48	48	50	50	48	50	48	48	49	50	49	48	49	49	48	51	52	51	51	52	50	51	53	48	48	49	48	49	50	48	48	49	47	49	49	50	49	48	47	49	49	49	49	49	49	49	49	48	49		
PCUF	CUFK	35	36	37	36	37	36	36	36	35	35	37	37	35	36	34	34	34	33	31	33	32	33	30	27	29	32	31	31	31	30	32	32	31	33	31	32	33	35	35	36	36	35	36	35	36	35	36	35	36	35	36
Total Co-Gen		83	84	87	86	85	86	84	84	84	85	86	85	84	85	83	82	85	85	82	84	84	83	81	80	77	80	80	79	80	80	80	80	80	80	80	81	83	84	83	83	85	84	85	84	85	84	85	85	83	85	
Total Gen		12376	11859	11680	11536	11231	11253	11148	11000	10814	10823	10701	10958	11063	11428	11309	11366	11862	12824	13628	14108	14339	14726	14978	15121	14887	14552	14458	14634	14870	15070	15031	15015	15047	15087	14723	14273	13765	13818	14312	14748	14537	14451	14261	14080	13651	13440	13069	12798			
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		30	30	30	30	30	30	30	30	30	31	31	30	30	30	31	31	31	31	30	30	31	31	30	30	31	31	31	31	30	30	31	31	30	30	30	30	30	30	30	31	31	31	31	30	30	30	30	29			
TIE-PLTG		-6	-43	29	-6	-4	-14	13	41	17	42	-25	80	-25	60	11	-11	42	-21	-21	-4	-78	-40	-83	-55	-12	-18	10	-2	-78	-35	-30	-38	-46	-24	-21	39	-102	26	94	28	59	16	49	8	15	-15	-19	35			
Interconnection		24	-13	59	24	26	16	43	71	47	74	7	110	5	90	41	20	73	10	10	26	-48	-10	-53	-25	18	13	41	28	-47	-5	0	-7	-15	6	9	69	-72	56	124	58	90	46	79	38	45	14	11	64			
System Total		12352	11872	11621	11512	11205	11237	11105	10929	10767	10749	10694	10848	11058	11338	11268	11346	11789	12814	13618	14082	14387	14736	15031	15146	14869	14539	14417	14606	14917	15075	15031	15022	15062	15081	14714	14204	13837	13762	14188	14690	14447	14405	14182	14042	13606	13426	13058	12734			
SRev ST-Coal		29	47	80	153	153	147	101	82	47	90	96	127	96	77	73	41	34	24	8	20	24	23	71	17	29	37	18	7	17	56	13	15	67	76	32	11	14	43	42	24	36	75	57	77	69	86	66	71			
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		681	1131	955	906	1169	1233	1405	1579	1822	1761	1872	1580	1517	1214	1336	1235	1298	916	535	338	237	192	181	189	388	403	463	297	172	247	198	218	172	180	311	357	552	309	226	121	278	128	302	229	413	575	496	608			
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		-7	-8	-11	-10	-9	-10	-8	-8	-8	-9	-10	-9	-8	-9	-7	-6	-9	-9	-6	-8	-8	-7	-5	-4	-1	-4	-4	-3	-4	-4	-4	-4	-4	-4	-4	-5	-7	-8	-7	-7	-9	-8	-9	-8	-9	-9	-7	-9			
Syncon		723	723	572	723	723	723	723	723	723	723	723	723	723	723	723	723	723	723	723	723	636	636	568	417	417	417	568	719	719	724	573	573	573	573	472	623	724	573	724	472	472	472	573	573	573	724	724	724	724		
Hydro		129	129	255	126	127	127	127	134	133	128	133	134	120	252	251	117	136	129	123	74	122	98	138	148	168	348	96	96	89	127	172	185	145	198	264	46	164	57	43	279	323	174	209	93	98	88	83	99			
S.Reserve Total		1555	2022	1851	1898	2163	2220	2348	2510	2717	2693	2814	2555	2448	2106	2225	2110	2182	1783	1383	1100	1019	884	802	891	1119	1380	1299	1124	1038	1045	954	993	957	927	1250	1204	1296	1125	776	889	1100	942	1132	964	1295	1464	1362	1493			