

Availability at Daily Maximum Demand Hour

ST-Coal	2,922 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,499 MW
Hydro	1,776 MW
Distillate	0 MW
Total TNB	8,197 MW
Total IPP	10,916 MW
Total Co-Gen	0 MW
Total System	19,683 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	67,777	21.09 %
Gas	41,884	13.03 %
Hydro	20,519	6.38 %
Total TNB	130,180	40.51 %
ST-Coal	114,619	35.66 %
Gas	77,158	24.01 %
Total IPP	191,777	59.67 %
Co-Gen	1,025	0.32 %
Total Co-Gen	1,025	0.32 %
Total Generation	322,982	100.50 %
PLTG	955	0.30 %
HVDC	642	0.20 %
Interconnection	1,597	0.50 %
Net Energy	321,385	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:	15:30:00 Hour
Total Set On Bus	17,159 MW
TNB Generation	6,200 MW
IPP Generation	9,459 MW
Spinning Reserve	1,459 MW
Maximum Demand	15,650 MW
Net Energy	321,385 MWH
Load Factor	85.56 %

Fuel Cost

Total Cost:	35,841,244.91 RM
Cost per Unit	12.31 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	659
Hydro	609
Syncon	42
Thermal	120
Total	1,430

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	36
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	32
PGPS	40
SRDG	37
TJGS	204
Total TNB	313
KLPP	93
PDPS	18
PGLA	88
PKLG	15
PLPS	77
PTEK	16
SGB3	74
SGRI	139
SKSP	29
YPKA	68
Total IPP	616
Total Gas	929
Total Gas Required	929

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	12124	11596	11265	10941	10538	10530	10928	11124	11652	13456	14395	15133	15081	14804	15366	15600	15621	15289	14170	13924	14859	14598	14158	13612

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																										
TMGR	HY02	29	29	27	28	28	27	29	27	26	28	27	29	33	28	31	28	30	29	33	30	33	34	34	33	79	33	83	34	84	82	83	83	83	60	59	30	28	28	29	69	70	70	68	69	68	67	67	66		
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	29	33	34	33	33	80	32	32	33	83	84	84	84	85	60	59	31	29	28	28	71	71	71	70	70	67	68	68	67		
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	33	-1	-1	-1	35	76	34	34	35	80	79	80	79	79	59	58	33	32	30	-1	68	68	67	67	66	65	65	65	64			
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		658	558	577	577	555	550	578	554	548	556	554	555	565	825	673	583	585	581	831	869	870	918	915	970	1125	933	931	940	1170	1327	1233	1139	1145	1052	1048	796	719	739	714	1083	1085	1136	1132	1146	1086	1085	1079	1117		
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	7	6	7	6	5	6	6	5	6	8	7	8	7	7	6	7	7	5	6	6	7	7	6	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	9	9	9	7	8	7	8	8	8
PCUF	CUFK	36	36	35	34	35	35	36	35	37	38	39	40	38	36	36	35	35	38	39	39	36	36	35	35	38	36	34	33	34	33	33	34	33	34	32	33	34	33	35	35	36	36	36	36	36	37	37	38	38	38
Total Co-Gen		43	42	42	40	40	41	42	40	43	44	47	47	46	43	43	44	46	46	43	41	41	41	45	43	40	40	40	40	39	41	40	41	39	40	41	40	43	43	44	45	45	45	45	44	45	45	46	46	46	
Total Gen		12109	12040	11589	11468	11273	11014	11017	10822	10598	10669	10566	10675	10985	11301	11256	11394	11719	12809	13516	14133	14566	14888	15160	15397	15182	14981	14917	15111	15418	15670	15620	15700	15719	15566	15323	14852	14242	14019	14009	14622	14896	14781	14691	14525	14193	13948	13673	13304		
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	30	31	31	30	30	30	30	31	31	31	30	30	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	30	30	30	30	30	30	31	31	30	30	30	30	30	31	31	31	31
TIE-PLTG		14	62	22	40	-23	41	46	39	29	57	6	0	26	53	101	40	37	32	29	56	140	70	-4	13	71	61	83	36	22	12	-10	20	67	19	4	56	42	25	55	37	7	72	63	101	4	45	30	64		
Interconnection		-15	32	-7	70	8	72	76	69	60	87	36	31	57	84	132	70	67	62	60	87	171	101	27	44	101	92	113	66	52	43	20	50	98	49	34	86	72	56	85	67	37	102	93	132	35	76	61	95		
System Total		12124	12008	11596	11398	11265	10942	10941	10753	10538	10582	10530	10644	10928	11217	11124	11324	11652	12747	13456	14046	14395	14787	15133	15353	15081	14889	14804	15045	15366	15627	15600	15650	15621	15517	15289	14766	14170	13963	13924	14555	14859	14679	14598	14393	14158	13872	13612	13209		
SRev ST-Coal		32	46	130	119	122	181	237	265	460	456	454	445	424	194	169	149	69	20	22	54	16	23	31	93	62	19	-72	34	120	212	161	124	162	173	166	158	149	180	160	160	167	169	174	182	174	179	244	250		
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74	93	130	77	124	247	304	301	297	273	412	347	383	345	348	378	230	177	104	104	105	104	61	75	0	0	0	0	0	0	0
SRev CCGT-Gas		926	880	1205	962	1063	1258	1174	1374	1383	1247	1301	1204	919	1105	1116	1194	1287	1025	837	790	428	215	209	266	571	573	729	519	409	387	422	380	360	298	386	442	807	983	989	745	467	633	601	659	745	842	843	957		
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		33	34	34	36	36	35	34	36	33	32	29	29	30	33	33	32	30	30	33	35	35	31	33	36	36	36	36	37	35	36	35	37	36	35	36	35	36	33	33	32	31	31	31	32	31	31	30	30	30	
Syncon		624	624	473	473	624	624	473	624	624	624	624	624	624	322	473	624	624	624	88	0	239	239	239	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hydro		58	68	200	200	71	76	199	72	78	70	72	71	61	148	149	88	86	90	608	781	545	619	622	807	652	843	845	836	606	449	543	537	531	625	630	798	750	812	749	594	592	591	595	591	651	662	668	630		
S.Reserve Total		1683	1652	2042	1790	1916	2174	2117	2371	2578	2429	2480	2373	2658	1802	1940	2087	2096	1789	1588	1734	1354	1261	1209	1323	1568	1775	1839	1722	1445	1495	1509	1459	1435	1480	1595	1747	1999	2112	2122	1635	1361	1485	1477	1463	1601	1713	1785	1867		