

Availability at Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,649 MW
Hydro	1,787 MW
Distillate	0 MW
Total TNB	6,816 MW
Total IPP	11,515 MW
Total Co-Gen	0 MW
Total System	18,901 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	55,836	17.10 %
Gas	43,044	13.18 %
Hydro	24,178	7.40 %
Total TNB	123,058	37.69 %
ST-Coal	117,279	35.92 %
Gas	86,702	26.55 %
Total IPP	203,981	62.47 %
Co-Gen	1,091	0.33 %
Total Co-Gen	1,091	0.33 %
Total Generation	328,130	100.50 %
PLTG	889	0.27 %
HVDC	728	0.22 %
Interconnection	1,617	0.50 %
Net Energy	326,513	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:	16:00:00 Hour
Total Set On Bus	17,047 MW
TNB Generation	5,817 MW
IPP Generation	9,843 MW
Spinning Reserve	1,342 MW
Maximum Demand	15,658 MW
Net Energy	326,513 MWH
Load Factor	86.89 %

Fuel Cost

Total Cost:	35,831,415.44 RM
Cost per Unit	12.60 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	576
Hydro	586
Syncon	9
Thermal	180
Total	1,351

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
GLGR	47
PGPS	40
SRDG	29
TJGS	205
Total TNB	320
KLPP	94
MPSS	38
PDPS	17
PGLA	106
PKLG	13
PLPS	88
PTEK	13
SGB3	85
SGRI	137
SKSP	33
YPKA	68
Total IPP	691
Total Gas	1,011
Total Gas Required	1,011

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	12823	12161	11712	11486	11293	11040	11475	11454	11882	13522	14515	15173	15053	14694	15356	15629	15658	15282	14143	13825	14991	14869	14164	13909

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	25	25	25	25	0	0	0	0	0	0	0	0	0	0	16	16	16	25	25	25	0	0	0	0	16	25	25	25	0	0	0	0	0	0																
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	25	25	25	0	0	0	0	16	25	25	25	0	0	0	0	0																
TMGR	HY01	41	39	37	47	73	57	55	76	43	62	59	62	67	63	29	26	32	30	30	29	57	59	85	82	81	33	31	33	84	83	83	83	85	83	81	82	36	32	32	67	68	68	68	65	67	67	67	67			
TMGR	HY02	39	39	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	57	59	85	82	82	34	31	34	84	83	83	83	86	83	80	81	45	-1	-1	67	68	68	68	66	63	66	65	66	66					
TMGR	HY03	41	39	37	42	76	58	54	74	45	77	74	76	81	77	30	26	32	29	31	31	57	60	85	83	82	33	31	32	85	85	84	83	86	85	82	82	58	31	32	68	70	68	68	66	67	67	67	67			
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	42	71	69	71	76	72	31	29	34	32	32	32	57	59	81	79	78	35	33	35	80	80	80	79	82	80	79	79	67	-1	-1	66	66	66	66	64	65	65	65	65				
UPIA	HY01	4	5	5	4	4	4	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	4	4	4	4	4	4	4	4	4	4	4	4	4	4				
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
Total Hydro		954	971	926	955	999	969	825	762	745	807	783	815	840	942	821	796	828	817	848	874	1114	1123	1261	1244	1239	954	939	954	1156	1251	1249	1247	1322	1253	1242	1114	984	653	653	1109	1193	1188	1186	1057	1080	1099	1099	1097			
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	8	9	9	9	8	9	8	8	8	9	7	8	8	7	8	8	4	6	3	6	6	7	6	5	5	6	5	5	8	7	9	10	10	10	11	10	10	12	12	11	12	11	11	12	11	12	11	12			
PCUF	CUFK	38	38	38	38	40	38	39	39	39	39	39	41	40	39	41	40	40	38	38	37	36	37	34	37	35	34	34	34	34	34	36	34	33	34	35	35	37	35	35	35	35	37	37	37	38	37	40	37	40		
Total Co-Gen		46	47	47	47	48	47	47	47	48	46	49	48	46	49	49	48	44	44	41	43	42	44	40	42	40	40	39	39	42	41	45	44	43	44	46	45	47	47	47	46	47	48	48	50	48	52	48	52			
Total Gen		12923	12600	12238	12037	11799	11807	11897	11387	11384	11218	11155	11230	11486	11707	11528	11633	11913	12864	13569	14008	14591	14843	15212	15343	15169	14898	14795	15086	15421	15645	15690	15669	15705	15672	15382	14812	14258	14026	13929	14675	15061	14963	14919	14613	14271	14107	13940	13575			
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		31	31	31	31	31	31	30	31	31	31	31	31	31	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	31	31	30	30	31	31	31	31	31	31	31			
TIE-PLTG		69	-1	46	-11	57	70	81	5	19	65	84	36	20	76	44	73	1	44	17	9	46	39	8	40	85	33	71	13	35	28	30	12	16	16	70	55	85	41	73	21	40	55	20	71	77	11	1	66			
Interconnection		100	29	77	19	87	100	111	35	11	96	115	67	11	106	74	103	31	-13	47	21	76	69	39	70	116	63	101	43	65	58	61	42	47	46	100	85	115	71	104	51	70	86	50	101	107	41	31	96			
System Total		12823	12571	12161	12018	11712	11707	11486	11352	11293	11122	11040	11163	11475	11601	11454	11530	11882	12877	13522	13987	14515	14774	15173	15273	15053	14835	14694	15043	15356	15587	15629	15627	15658	15626	15282	14727	14143	13955	13825	14624	14991	14877	14869	14512	14164	14066	13909	13479			
S.Rev ST-Coal		196	231	249	123	180	164	163	130	149	182	195	137	89	177	161	204	143	209	139	164	149	167	156	173	169	92	186	150	163	168	190	207	194	213	217	200	231	212	226	184	189	180	178	209	203	200	194	185			
S.Rev 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	
S.Rev CCGT-Gas		743	867	1145	1307	1533	1505	1572	1752	1799	1915	1939	1957	1773	1564	1641	1621	1434	993	769	458	354	412	460	401	640	566	616	432	297	228	240	239	301	268	526	622	811	729	814	566	316	497	452	580	732	834	668	843			
S.Rev 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
S.Rev Co-Gen		30	29	29	29	28	29	29	29	28	30	27	28	30	27	27	28	32	32	35	33	34	32	36	34	36	36	37	37	34	35	31	32	33	32	30	31	29	29	29	30	29	28	28	26	28	24	28	24			
Syncon		88	88	175	175	175	175	175	175	175	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	0	0	0	0	0	0	0	0	0	0	0	175	175	0	0	0	0	0	0	0	0		
Hydro		705	713	671	642	598	628	597	534	639	577	601	569	544	568	689	713	681	692	702	726	673	663	525	543	548	733	748	733	531	536	538	540	465	534	545	582	712	643	643	678	604	609	611	639	616	618	618	619			
S.Reserve Total		1762	1928	2269	2276	2514	2501	2536	2620	2703	2789	2852	2777	2521	2426	2605	2652	2372	2089	1729	1467	1346	1295	1201	1289	1502	1698	1867	1576	1241	1246	1248	1269	1342	1375	1665	1613	1819	1826	1923	1493	1215	1422	1343	1548	1579	1678	1508	1671			