

Availability at Daily Maximum Demand Hour

ST-Coal	2,395 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,659 MW
Hydro	1,734 MW
Distillate	0 MW
Total TNB	7,788 MW
Total IPP	10,589 MW
Total Co-Gen	0 MW
Total System	18,944 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	47,983	17.11 %
Gas	40,473	14.44 %
Hydro	16,356	5.83 %
Total TNB	104,812	37.38 %
ST-Coal	114,018	40.67 %
Gas	60,406	21.55 %
Total IPP	174,424	62.21 %
Co-Gen	1,041	0.37 %
Total Co-Gen	1,041	0.37 %
Total Generation	280,277	99.97 %
PLTG	423	0.15 %
HVDC	-512	-0.18 %
Interconnection	-89	-0.03 %
Net Energy	280,366	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:	21:00:00 Hour
Total Set On Bus	14,348 MW
TNB Generation	5,191 MW
IPP Generation	8,102 MW
Spinning Reserve	1,015 MW
Maximum Demand	13,327 MW
Net Energy	280,366 MWH
Load Factor	87.65 %

Fuel Cost

Total Cost:	31,880,967.98 RM
Cost per Unit	12.10 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	178
Hydro	110
Syncon	355
Thermal	303
Total	946

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Cloudy	26

Gas Usage

Station	(mmscfd)
GLGR	54
PAKA	0
PGPS	31
SRDG	5
TJGS	202
Total TNB	293
KLPP	103
PDPS	2
PGLA	71
PLPS	55
PTEK	2
SGB3	38
SGRI	140
SKSP	2
YPKA	68
Total IPP	481
Total Gas	774
Total Gas Required	774

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	12380	11866	11392	10916	10772	10599	10682	10668	10036	10528	11189	11636	11743	11793	11917	12051	12179	11901	11594	11885	13166	13327	13115	12891

Daily MW Generation on Sunday

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																											
Total Co-Gen		43	44	44	46	45	44	43	47	47	46	47	46	47	46	47	43	45	42	43	41	42	42	41	42	42	41	42	42	42	40	42	41	42	40	43	42	43	42	42												
Total Gen		12379	12023	11872	11637	11363	11208	10951	10973	10780	10728	10581	10544	10628	10787	10659	10159	10066	10278	10490	10796	11265	11464	11616	11843	11765	11767	11881	11862	11915	12053	12801	12161	12149	12092	11940	11856	11615	11638	11855	12699	13146	13293	13333	13231	13155	12903	12887	12660			
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		-29	-29	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	-29	-29	-29	0	0	0	0	0	0	0	0	0	0	0	0	0	-28	-30	-30	-30	-30	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30			
TIE-PLTG		28	-20	35	-13	1	14	64	13	38	8	11	68	-25	25	20	31	30	56	-38	28	76	-20	-20	7	23	-25	88	-51	-2	-23	-20	11	0	28	68	67	51	16	-1	-2	8	14	35	45	69	52	-5	-17			
Interconnection		-1	-49	6	-42	-29	-16	35	-16	8	-22	-18	39	-54	-4	-9	2	30	56	-38	28	76	-20	-20	7	23	-25	88	-51	-2	-51	-50	-19	-30	-1	39	38	21	-14	-30	-32	-20	-15	6	16	40	23	-34	-46			
System Total		12380	12072	11866	11679	11392	11224	10916	10989	10772	10750	10599	10505	10682	10791	10668	10157	10036	10222	10528	10768	11189	11484	11636	11836	11743	11792	11793	11913	11917	12104	12051	12180	12179	12093	11901	11818	11594	11652	11885	12731	13166	13308	13327	13215	13115	12880	12891	12606			
SRev ST-Coal		27	47	29	98	99	95	157	213	316	319	343	388	366	383	519	696	718	744	756	743	699	699	687	694	713	688	699	699	701	639	101	52	91	55	80	52	112	134	106	15	71	44	67	58	66	14	36	33			
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		446	564	464	662	912	1042	1231	1160	1251	1257	1350	1388	1351	1177	1155	1364	959	697	450	211	29	-39	68	216	192	93	-19	119	123	131	403	292	510	561	762	875	1151	1229	1128	440	231	100	191	292	307	308	378	761			
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	0
SRev Co-Gen		33	32	32	30	31	32	33	29	29	30	30	29	30	29	30	29	30	29	30	29	33	31	34	33	35	36	34	33	35	34	34	35	35	34	34	35	34	34	34	34	36	34	35	34	36	33	34	33	34	34	
Syncon		624	624	624	473	473	624	624	624	624	624	624	473	624	624	624	624	624	624	624	629	624	624	624	151	302	453	302	302	151	151	536	536	624	624	624	624	624	624	624	624	473	624	624	624	624	624	473				
Hydro		129	136	135	218	235	113	118	114	113	105	115	120	245	244	106	110	112	127	157	303	175	186	62	185	115	167	130	290	145	131	127	127	177	141	145	145	148	144	152	125	216	78	85	87	92	87	90	218			
S.Reserve Total		1259	1403	1284	1481	1750	1906	2163	2140	2333	2335	2461	2549	2465	2306	2434	2823	2442	2222	2016	1919	1558	1504	1474	1281	1358	1435	1145	1445	1154	1086	1202	1042	1436	1415	1646	1730	2069	2165	2026	1238	1040	946	1015	1245	1196	1066	1162	1519			