

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,180 MW
Hydro	1,721 MW
Distillate	0 MW
Total TNB	<u>7,971 MW</u>
Total IPP	<u>10,146 MW</u>
Total Co-Gen	<u>0 MW</u>
Total System	<u>18,627 MW</u>

Generation Mix

Type	MWh	Percentage
ST-Coal	47,596	16.15 %
Gas	53,609	18.19 %
Hydro	6,643	2.25 %
Total TNB	107,848	36.60 %
ST-Coal	95,547	32.43 %
Gas	90,563	30.74 %
Total IPP	186,110	63.17 %
Co-Gen	1,574	0.53 %
Total Co-Gen	1,574	0.53 %
Total Generation	295,532	100.30 %
PLTG	166	0.06 %
HVDC	727	0.25 %
Interconnection	893	0.30 %
Net Energy	294,639	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	14,737 MW
TNB Generation	5,183 MW
IPP Generation	8,491 MW
Spinning Reserve	984 MW
Maximum Demand	13,682 MW
Net Energy	294,639 MWH
Load Factor	89.73 %

Fuel Cost

Total Cost:	40,323,681.36 RM
Cost per Unit	13.95 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	204
Hydro	86
Syncon	536
Thermal	33
Total	859

Time Weather Temperature

Afternoon	Hot	31
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	30
GLGR	58
PAKA	94
SRDG	1
TJGS	212
Total TNB	395
KLPP	112
MPSS	59
PGLA	115
PLPS	93
SGRI	153
SKSP	18
YPGS	62
YPKA	91
Total IPP	702
Total Gas	1,097

Total Gas Required 1,097

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	13324	12774	12327	11954	11491	11439	11161	10851	10435	11049	11665	12312	12528	12375	12759	12864	12585	12349	11975	12373	13563	13613	13505	13226

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		58	59	57	58	60	60	61	62	58	60	61	62	64	61	63	64	62	61	63	58	61	56	54	53	58	55	54	55	54	58	59	57	68	70	74	76	81	81	83	82	79	79	80	81	83	83	81	82		
Total Gen		13375	12967	12786	12563	12319	12152	11948	11808	11590	11550	11495	11349	11229	11239	10962	10611	10523	10774	11043	11391	11684	12015	12281	12470	12532	12473	12397	12529	12721	12803	12859	12691	12640	12558	12409	12084	12045	12082	12438	13334	13699	13753	13775	13685	13568	13386	13224	13015		
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		30	30	30	30	31	31	31	31	30	30	31	31	29	29	31	31	30	30	31	31	31	31	30	30	30	30	30	30	30	30	30	30	30	30	31	31	30	30	31	31	31	31	31	30	30	30	30	30	30	
TIE-PLTG		21	-6	-18	35	-39	-59	-37	57	69	-27	25	19	39	56	81	56	58	-7	-37	-48	-11	-8	-61	-97	-26	-93	-8	-8	-69	21	-35	16	25	47	29	29	40	-37	34	-1	106	40	132	15	33	-32	-33	43		
Interconnection		51	25	12	65	-8	-28	-6	88	99	3	56	50	68	85	111	86	88	23	-6	-17	19	22	-31	-67	4	-62	22	22	-38	51	-5	45	55	77	60	60	70	-7	65	30	136	71	162	45	63	-2	-2	73		
Svstem Total		13324	12942	12774	12498	12527	12180	11954	11720	11491	11547	11439	11299	11161	11154	10851	10525	10435	10751	11049	11408	11665	11993	12312	12537	12528	12535	12375	12507	12759	12752	12864	12646	12585	12481	12349	12024	11975	12089	12373	13304	13563	13682	13613	13640	13505	13388	13226	12942		
SRev ST-Coal		45	49	25	66	59	65	80	108	118	101	102	97	77	88	122	81	127	48	46	48	38	41	49	57	46	62	78	36	19	42	32	60	17	49	49	57	48	42	51	36	60	27	52	29	12	6	-1	29		
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		366	393	364	328	575	595	277	407	636	737	776	978	1152	1132	1360	1765	1612	1412	1164	930	753	418	358	152	193	328	410	230	155	182	160	298	595	476	531	838	884	870	1053	407	130	202	227	281	370	171	183	139		
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		18	17	19	18	16	16	15	14	18	16	15	14	12	15	13	12	14	15	13	18	15	20	22	23	18	21	22	21	22	18	17	19	8	6	2	0	-5	-5	-7	-6	-3	-3	-4	-5	-7	-7	-5	-6		
Syncon		726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726		
Hydro		126	127	106	120	125	117	108	253	123	123	130	125	124	121	137	126	137	125	259	127	128	124	128	135	48	96	134	135	35	46	174	43	101	92	90	102	106	89	215	83	218	139	99	96	112	191	122	125		
S.Reserve Total		1281	1312	1240	1258	1501	1519	1206	1357	1621	1703	1749	1940	2091	2082	2358	2710	2616	2326	2057	1845	1656	1325	1279	1089	1027	1229	1366	1144	953	1010	954	1142	1243	1345	1394	1719	1752	1715	1910	1138	881	984	992	1019	1105	1083	1021	1009		