

Availability at Daily Maximum Demand Hour

ST-Coal	2,030 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,024 MW
Hydro	1,809 MW
Distillate	0 MW
Total TNB	7,863 MW
Total IPP	8,749 MW
Total Co-Gen	0 MW
Total System	17,182 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	49,242	16.27 %
Gas	60,628	20.03 %
Hydro	24,567	8.12 %
Total TNB	134,437	44.42 %
ST-Coal	90,696	29.97 %
Gas	76,988	25.44 %
Total IPP	167,684	55.40 %
Co-Gen	2,004	0.66 %
Total Co-Gen	2,004	0.66 %
Total Generation	304,125	100.48 %
PLTG	738	0.24 %
HVDC	729	0.24 %
Interconnection	1,467	0.48 %
Net Energy	302,658	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	14,933 MW
TNB Generation	6,313 MW
IPP Generation	7,527 MW
Spinning Reserve	1,009 MW
Maximum Demand	13,826 MW
Net Energy	302,658 MWH
Load Factor	91.21 %

Fuel Cost

Total Cost:	38,435,541.17 RM
Cost per Unit	13.74 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	209
Hydro	212
Syncon	308
Thermal	84
Total	813

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	25
GLGR	55
PAKA	96
PGPS	42
SRDG	38
TJGS	211
Total TNB	467
KLPP	80
MPSS	60
PDPS	21
PGLA	109
PKLG	20
PTEK	17
SGRI	133
SKSP	49
YPGS	58
YPKA	70
Total IPP	616
Total Gas	1,083
Total Gas Required	1,083

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	13229	12489	12093	11752	11440	11205	11168	11141	10901	12030	12793	13486	13316	13071	13382	13372	13452	13268	12826	12732	13738	13643	13324	12994

Daily MW Generation on Saturday

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
PGAU	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
PGAU	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
SIHY	HY01	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	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
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
TMGR	HY01	88	88	88	89	88	88	89	89	88	88	88	89	88	88	89	88	88	89	88	88	89	88	88	88
TMGR	HY02	92	92	92	92	92	90	91	92	92	92	92	88	90	90	92	92	92	92	92	55	92	91	59	59
TMGR	HY03	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	56	89	90	62	57
TMGR	HY04	84	85	85	81	81	80	82	81	82	81	79	81	80	83	81	84	84	55	84	85	60	57	59	56
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
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
Total Hydro		1104	1005	1003	1004	1000	993	1001	1030	1028	1027	1051	1039	1046	1065	1053	1054	1060	1073	1008	1199	1222	1223	1048	1052
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
PCUF	CUFG	42	43	43	43	44	44	44	45	43	44	43	44	43	45	45	43	43	43	43	42	43	45	43	43
PCUF	CUFK	40	39	39	40	43	40	41	42	42	41	41	39	41	40	42	40	39	40	42	41	39	39	38	38
Total Co-Gen		82	82	82	83	87	84	85	87	85	85	84	83	84	86	85	88	87	85	84	85	84	83	82	83
Total Gen		13255	12924	12854	12408	12079	11877	11793	11498	11450	11300	11268	11146	11214	11244	11174	10946	10989	11479	12090	12405	12843	13220	13496	13514
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
TIE-HVDC		30	30	30	30	30	31	31	31	31	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30
TIE-PLTG		-4	75	35	33	-45	15	10	-36	-20	-21	33	72	15	17	3	-29	58	69	29	28	19	27	-20	53
Interconnection		26	104	65	63	-14	46	41	-5	10	10	63	102	46	48	33	1	88	100	60	58	50	57	10	83
System Total		13229	12820	12489	12345	12093	11831	11752	11503	11440	11290	11205	11044	11168	11196	11141	10945	10901	11379	12030	12347	12793	13163	13486	13431
SRev ST-Coal		61	105	84	87	55	44	36	30	26	17	35	80	40	23	91	126	91	111	102	114	106	239	60	109
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
SRev CCGT-Gas		642	555	408	456	763	966	929	1194	1242	1400	1437	1501	1481	1489	1457	1578	1584	1225	652	526	236	74	128	136
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
SRev Co-Gen		-6	-6	-6	-7	-11	-8	-9	-11	-9	-9	-8	-7	-8	-10	-9	-12	-11	-9	-8	-9	-8	-7	-6	-6
Syncon		453	453	453	453	453	453	302	453	453	453	453	453	302	453	453	453	453	453	453	453	453	453	453	453
Hydro		81	30	32	31	35	42	34	156	32	33	34	46	39	171	32	31	25	34	300	33	161	241	416	412
S.Reserve Total		1231	1137	971	1020	1295	1497	1443	1671	1744	1894	1951	2073	2005	1975	2024	2176	2142	1814	1348	1117	815	712	784	831