

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,223 MW
Hydro	1,852 MW
Distillate	0 MW
Total TNB	9,155 MW
Total IPP	8,880 MW
Total Co-Gen	0 MW
Total System	18,035 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	66,509	23.78 %
Gas	66,342	23.72 %
Hydro	8,259	2.95 %
Total TNB	141,110	50.46 %
ST-Coal	56,300	20.13 %
ST-Gas	10,191	3.64 %
Gas	71,568	25.59 %
Total IPP	138,059	49.37 %
Co-Gen	1,121	0.40 %
Total Co-Gen	1,121	0.40 %
Total Generation	280,290	100.22 %
PLTG	-105	-0.04 %
HVDC	733	0.26 %
Interconnection	628	0.22 %
Net Energy	279,662	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	14,579 MW
TNB Generation	6,823 MW
IPP Generation	6,484 MW
Spinning Reserve	1,224 MW
Maximum Demand	13,359 MW
Net Energy	279,662 MWH
Load Factor	87.23 %

Fuel Cost

Total Cost:	40,949,506.79 RM
Cost per Unit	15.05 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	217
Hydro	279
Syncon	646
Thermal	59
Total	1,201

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Cloudy	25

Gas Usage

Station	(mmscfd)
CBPS	3
CBPS	28
GLGR	55
PAKA	189
PGPS	26
SRDG	2
TJGS	198
Total TNB	502
KLPP	84
MPSS	32
PDPS	3
PGLA	16
PLPS	91
SGB3	39
SGRI	213
YPGS	34
YPKA	61
PKLG	105
Total IPP	677
Total Gas	1,179
Total Gas Required	1,179

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	12325	11836	11405	11016	10759	10626	10601	10331	10028	10500	11231	11700	11695	11635	11887	11834	12000	11875	11672	11998	13302	13359	13105	12840

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		
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	0	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	0
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	0
TMGR	HY01	34	32	31	28	33	36	31	32	29	33	27	32	26	28	33	33	34	31	33	36	30	32	31	28	28	34
TMGR	HY02	0	0	33	31	33	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	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	-1	
UPIA	HY01	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
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
Total Hydro		311	297	386	542	492	283	257	226	221	211	219	194	215	191	194	232	216	241	206	209	218	373	341	288	260	177
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
PCUF	CUFG	38	39	39	39	40	40	39	39	39	40	40	38	39	39	39	38	38	37	37	36	36	37	36	35	37	36
PCUF	CUFK	9	8	10	9	10	9	9	7	10	9	9	9	8	8	7	9	9	8	9	9	8	10	8	8	9	9
Total Co-Gen		47	47	49	48	50	49	48	46	49	49	49	47	47	47	48	48	47	47	45	47	45	44	44	47	46	44
Total Gen		12331	12020	11746	11607	11427	11190	11067	10881	10754	10610	10677	10580	10620	10649	10467	10139	10031	10404	10516	10905	11232	11535	11684	11806	11722	11679
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
TIE-HVDC		51	30	30	31	31	30	30	30	31	31	31	31	31	30	30	31	31	30	30	31	31	30	30	31	31	31
TIE-PLTG		-25	-21	-120	4	-9	-17	20	51	-35	19	20	6	-12	12	105	13	-27	31	-15	14	-30	-19	-47	11	-3	
Interconnection		6	10	-90	34	22	13	51	81	-5	50	51	36	19	43	136	44	3	62	16	44	1	11	-16	41	27	
System Total		12325	12010	11836	11573	11405	11177	11016	10800	10759	10560	10626	10514	10601	10606	10331	10095	10028	10342	10500	10861	11231	11524	11700	11765	11695	
SRev ST-Coal		127	117	19	75	44	27	54	89	74	70	77	81	86	7	100	240	240	255	226	53	37	36	51	74	47	
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
SRev CCGT-Gas		164	361	326	270	274	250	271	389	513	651	587	680	627	653	835	1062	1167	855	812	633	402	233	212	98	264	
SRev ST-Gas		0	0	0	0	6	42	39	28	29	29	26	29	28	28	29	29	26	33	8	-3	10	33	30	4	8	
SRev Co-Gen		-3	-3	-5	-4	-6	-5	-4	-2	-5	-5	-5	-3	-3	-3	-3	-4	-4	-3	-3	-1	-3	0	-3	-2	0	
Syncon		726	726	575	575	575	575	676	676	676	676	676	676	676	676	676	676	676	525	676	676	591	526	677	677	677	
Hydro		96	110	407	251	301	425	350	381	386	396	371	396	375	399	396	358	374	500	384	381	372	517	248	251		
S.Reserve Total		1110	1311	1322	1167	1194	1314	1386	1561	1673	1817	1749	1876	1806	1777	2050	2361	2479	2165	2103	1737	1496	1342	1218	1104	1272	