

Availability at Daily Maximum Demand Hour

ST-Coal	2,040 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,308 MW
Hydro	1,651 MW
Distillate	0 MW
Total TNB	7,999 MW
Total IPP	9,650 MW
Total Co-Gen	88 MW
Total System	18,301 MW

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:	21:30:00 Hour
Total Set On Bus	14,822 MW
TNB Generation	5,801 MW
IPP Generation	7,895 MW
Spinning Reserve	1,116 MW
Maximum Demand	13,683 MW
Net Energy	286,743 MWH
Load Factor	87.32 %

Gas Usage

Station	(mmscfd)
CBPS	38
GLGR	54
PAKA	143
PGPS	33
SRDG	3
TJGS	215
Total TNB	486
KLPP	96
MPSS	49
PDPS	2
PGLA	67
PLPS	45
SGB3	83
SGRI	72
YPGS	63
YPKA	94
Total IPP	571
Total Gas	1,057
Total Gas Required	1,057

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	47,427	16.54 %
Gas	64,824	22.61 %
Hydro	8,885	3.10 %
Total TNB	121,136	42.25 %
ST-Coal	91,379	31.87 %
Gas	73,642	25.68 %
Total IPP	165,021	57.55 %
Co-Gen	1,059	0.37 %
Total Co-Gen	1,059	0.37 %
Total Generation	287,216	100.16 %
PLTG	-258	-0.09 %
HVDC	731	0.25 %
Interconnection	473	0.16 %
Net Energy	286,743	100.00 %

Fuel Cost

Total Cost:	38,629,559.92 RM
Cost per Unit	18.87 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	245
Hydro	151
Syncon	687
Thermal	40
Total	1,123

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

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	12649	12138	11867	11452	10977	10883	10932	10651	10131	10989	11447	11922	12098	11962	12160	12209	12221	12035	11774	12050	13472	13625	13496	13208

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
UPLA	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
Total Hydro		281	291	414	272	306	308	308	268	308	285	330	309	308	254	275	261	326	357	221	232	297	469	419	330
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	46	47	46	46	44	46	46	47	47	47	47	46	46	47	47	48	45	45	44	41	16	13	11	10
PCUF	CUFK	28	28	30	30	29	30	28	27	28	25	26	26	27	26	28	27	29	26	26	22	22	21	20	18
Total Co-Gen		74	75	76	76	73	76	74	73	75	72	73	73	72	75	74	77	71	71	70	63	38	34	31	28
Total Gen		12672	12190	12095	11815	11792	11477	11434	11310	11046	11026	10909	10889	10884	10974	10741	10323	10254	10558	10984	11089	11465	11634	11944	11935
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		31	31	31	31	31	31	30	30	30	30	30	31	31	30	30	30	31	31	31	31	31	31	31	31
TIE-PLTG		-8	-65	-73	-31	-105	-49	-47	-18	39	-47	-4	-78	-79	-98	60	-13	93	-2	-36	9	-12	1	-8	
Interconnection		23	-34	-43	-1	-75	-18	-18	12	69	-16	26	-48	-48	-68	90	17	123	28	-5	40	18	32	22	
System Total		12649	12224	12138	11816	11867	11495	11452	11298	10977	11042	10883	10937	10932	11042	10651	10306	10131	10530	10989	11049	11447	11602	11922	11987
SRev ST-Coal		36	17	42	39	44	21	33	36	49	21	71	12	74	83	147	189	113	88	52	100	42	47	30	
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		335	638	240	217	211	411	340	460	673	758	803	927	828	745	834	1172	1306	1086	900	695	584	561	506	
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		14	13	12	12	15	12	14	15	13	16	15	15	16	13	14	11	17	17	18	25	50	54	57	
Syncon		726	726	424	726	726	726	726	726	726	575	575	726	726	726	726	575	676	676	827	590	741	827	827	
Hydro		88	78	272	112	78	76	76	116	76	250	205	75	76	130	109	123	58	178	213	241	86	151	50	
S.Reserve Total		1214	1487	990	1106	1074	1246	1189	1313	1577	1597	1714	1734	1718	1646	1850	2210	2279	1975	1722	1702	1568	1571	1331	