

Availability at Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,029 MW
Hydro	1,839 MW
Distillate	0 MW
Total TNB	7,248 MW
Total IPP	10,411 MW
Total Co-Gen	0 MW
Total System	18,229 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	32,298	11.75 %
Gas	44,055	16.03 %
Hydro	26,090	9.49 %
Total TNB	102,443	37.28 %
ST-Coal	96,430	35.09 %
Gas	73,743	26.83 %
Total IPP	170,173	61.92 %
Co-Gen	1,702	0.62 %
Total Co-Gen	1,702	0.62 %
Total Generation	274,318	99.82 %
PLTG	193	0.07 %
HVDC	-699	-0.25 %
Interconnection	-506	-0.18 %
Net Energy	274,824	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	13,942 MW
TNB Generation	4,913 MW
IPP Generation	7,956 MW
Spinning Reserve	1,004 MW
Maximum Demand	12,948 MW
Net Energy	274,824 MWH
Load Factor	88.43 %

Fuel Cost

Total Cost:	30,687,525.88 RM
Cost per Unit	12.36 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	480
Hydro	115
Syncon	415
Thermal	31
Total	1,041

Time Weather Temperature

Afternoon	Hot	34
Morning	Cloudy	26

Gas Usage

Station	(mmscfd)
CBPS	3
GLGR	50
PGPS	35
SRDG	11
TJGS	220
Total TNB	319
KLPP	109
MPSS	46
PDPS	4
PGLA	105
PTEK	3
SGRI	192
SKSP	46
YPGS	35
YPKA	33
Total IPP	575
Total Gas	894
Total Gas Required	894

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	12284	11696	11291	11009	10633	10537	10435	10400	9872	10337	11082	11574	11606	11587	11778	11834	11799	11522	11330	11795	12795	12890	12607	12310

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																											
PCUF	CUFG	38	39	40	38	38	38	39	39	38	38	37	36	37	37	35	36	35	37	36	37	38	36	38	38	38	37	37	37	38	38	38	38	38	38	38	38															
PCUF	CUFK	35	34	35	36	36	36	35	38	35	36	37	38	35	37	35	35	36	35	35	35	35	33	32	33	34	33	31	30	30	31	31	30	29	29	31	30	31	31	30	33	32	31	32	33	34	32	34				
Total Co-Gen		73	73	75	74	74	74	74	77	73	74	74	74	72	74	73	74	74	75	73	72	73	72	69	69	68	70	68	68	66	67	69	68	67	65	67	67	68	69	69	67	70	69	69	70	71	72	70	72			
Total Gen		12315	11878	11658	11430	11300	11114	11036	10763	10584	10477	10472	10479	10398	10509	10401	9984	9914	10146	10524	10514	11049	11306	11537	11644	11585	11478	11558	11672	11751	11730	11798	11717	11721	11623	11528	11421	11357	11389	11790	12595	12752	12938	12850	12752	12589	12402	12277	12043			
TIE-BGAT		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		
TIE-HVDC		-29	-29	-29	-29	-29	-31	-31	-29	-29	-29	-30	-30	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-30	-30	-29	-29	-29	-28	-28	-29	-29	-30	-28	-28	-28	-30	-30	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29			
TIE-PLTG		60	17	-9	-35	38	68	58	-56	-20	4	-36	-38	-7	-35	30	80	70	-37	17	34	-4	-27	-7	-4	8	-19	0	23	3	34	-8	7	-49	13	36	8	55	5	25	1	-16	17	-11	-2	11	-2	-3	88			
Interconnection		31	-12	-38	-64	9	39	27	-86	-49	-25	-65	-66	-37	-64	1	51	42	-65	-13	4	-33	-56	-37	-34	-21	-49	-29	-6	-27	5	-36	-21	-78	-17	6	-19	27	-23	-5	-29	-43	-11	-40	-31	-18	-31	-33	58			
System Total		12284	11890	11696	11494	11291	11075	11009	10849	10633	10502	10537	10545	10435	10573	10400	9933	9872	10211	10337	10510	11082	11362	11574	11678	11606	11527	11587	11678	11778	11725	11834	11738	11799	11640	11522	11440	11330	11412	11795	12624	12795	12949	12890	12783	12607	12433	12310	11985			
SRcv	ST-Coal	92	26	-1	97	105	131	71	48	75	68	62	68	75	71	66	81	76	69	59	66	62	61	25	29	25	8	14	16	34	28	45	31	22	30	17	24	22	20	26	43	19	38	55	47	64	23	50	88			
SRcv	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	0
SRcv	CCGT-Gas	634	741	805	347	461	585	751	871	884	982	997	989	1076	856	985	1360	1358	1153	1100	1130	699	434	450	441	508	636	547	425	364	464	385	546	630	712	834	1023	1098	1083	749	455	311	158	210	284	364	392	388	399			
SRcv	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
SRcv	Co-Gen	3	3	1	2	2	2	-1	3	2	2	2	4	2	3	2	2	1	3	4	3	4	7	7	8	6	8	8	10	9	7	8	9	11	9	9	8	7	7	9	6	7	7	6	5	4	6	4				
Syncon		453	453	453	302	453	453	453	453	453	453	302	453	302	453	453	453	453	453	453	302	453	453	302	453	453	453	453	453	302	453	453	453	453	453	453	302	453	453	453	453	453	302	453	453	302	453	453				
Hydro		56	58	48	184	59	74	76	56	55	56	62	53	192	78	209	81	81	65	52	185	48	59	191	83	79	77	70	76	199	71	66	195	69	75	63	72	64	201	81	61	51	178	317	56	67	192	65	65			
S.Reserve Total		1238	1281	1331	932	1080	1245	1353	1427	1470	1561	1576	1565	1649	1460	1565	1977	1970	1741	1667	1687	1265	1011	975	1013	1073	1180	1092	978	909	1025	956	1082	1183	1281	1376	1581	1645	1613	1370	1185	1030	1004	1093	1041	1154	1012	1039	1052			