

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,747 MW
Hydro	2,088 MW
Distillate	0 MW
Total TNB	4,835 MW
Total IPP	15,092 MW
Total Co-Gen	57 MW
Total System	20,548 MW

Generation Mix

Type	MWh	Percentage
Gas	37,192	10.59 %
Hydro	23,258	6.62 %
Total TNB	60,450	17.21 %
ST-Coal	189,907	54.08 %
Gas	98,503	28.05 %
Total IPP	288,410	82.13 %
Co-Gen	1,362	0.39 %
Total Co-Gen	1,362	0.39 %
Total Generation	350,222	99.73 %
PLTG	-338	-0.10 %
HVDC	-608	-0.17 %
Interconnection	-946	-0.27 %
Net Energy	351,168	100.00 %

Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	17,989 MW
TNB Generation	3,081 MW
IPP Generation	13,758 MW
Spinning Reserve	1,093 MW
Maximum Demand	16,905 MW
Net Energy	351,168 MWH
Load Factor	86.55 %

Fuel Cost

Total Cost:	57,898,972.35 RM
Cost per Unit	17.71 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	488
Hydro	385
Syncon	325
Thermal	134
Total	1,332

Time Weather Temperature

Afternoon	Hot	36
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
GLGR	47
PGPS	1
TJGS	215
Total TNB	262
CBPS	54
KLPP	6
NPRI	157
PGLA	105
PLPS	94
PTEK	21
SGB3	93
SGRI	134
YPKA	70
Total IPP	734
Total Gas	996

Total Gas Required 996

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	13362	12636	12214	11891	11680	11625	11857	11972	12657	14737	15655	16365	16289	15905	16460	16805	16905	16583	15455	15612	16396	16302	15748	15144

Daily MW Generation on Monday

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 Hydro		624	617	646	624	626	620	577	577	554	558	557	581	557	585	582	559	557	864	947	967	1291	1273	1366	1371	1236	1169	1148	1147	1316	1433	1434	1434	1432	1434	1359	918	758	755	1017	1036	1255	1282	1280	1267	1244	1028	957	944			
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	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	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	
PCUF	CUFK	29	30	28	29	29	28	30	28	28	28	28	28	28	29	29	27	28	29	29	30	28	29	30	28	29	30	28	30	29	30	28	29	29	27	29	28	28	29	29	28	28	29	29	29	28	30	28	28	29		
Total Co-Gen		57	58	56	57	57	56	58	56	56	56	57	57	58	56	57	57	58	56	57	58	57	57	58	56	58	58	57	58	56	57	57	55	57	56	56	57	57	55	57	57	55	57	57	57	57	57	56	58	56	57	
Total Gen		13316	12958	12638	12408	12175	12104	11798	11784	11635	11590	11590	11696	11817	12164	11978	12073	12581	13831	14626	15239	15600	16047	16304	16479	16234	16080	15896	16124	16401	16792	16776	16800	16896	16859	16579	15975	15462	15142	15495	16375	16351	16377	16270	16024	15772	15446	15067	14697			
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	0	0	0
TIE-HVDC		31	30	30	-29	-29	-28	-29	-29	-29	-29	-28	-28	-29	-29	-30	-30	-30	-29	-29	-30	-30	-29	-29	-29	-30	-30	-28	-28	-29	-29	-30	-30	-30	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-28	-29	-29	-30	-30	-29		
TIE-PLTG		-76	7	-28	17	-11	32	-65	-18	-16	-8	-7	13	-11	-11	35	-20	-46	-43	-81	-14	-26	-9	-31	-8	-27	-27	20	-23	-29	-6	-1	25	20	13	26	9	37	-3	-88	-48	-16	-2	-4	0	53	-69	-47	-64			
Interconnection		-46	37	2	-11	-39	4	-93	-47	-45	-37	-35	-15	-40	-40	6	-50	-76	-73	-111	-43	-55	-38	-61	-37	-55	-55	-9	-53	-59	-34	-29	-4	-9	-17	-4	-21	7	-32	-117	-77	-45	-31	-32	-29	24	-99	-77	-93			
System Total		13362	12921	12636	12419	12214	12100	11891	11831	11680	11627	11625	11711	11857	12204	11972	12123	12657	13904	14737	15282	15655	16085	16365	16516	16289	16135	15905	16177	16460	16826	16805	16804	16905	16876	16583	15996	15455	15174	15612	16452	16395	16408	16302	16053	15748	15545	15144	14790			
SRev ST-Coal		321	347	320	383	438	444	427	445	446	442	441	440	438	404	442	434	445	380	274	177	181	161	118	144	130	119	112	131	109	122	106	107	112	111	117	137	131	133	110	121	128	125	99	127	110	106	124	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	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		423	553	776	827	866	844	1099	1081	1212	1258	1262	1178	1042	1027	1171	1164	1305	983	744	584	687	409	266	438	523	578	748	506	499	356	340	317	294	323	407	390	633	998	971	224	458	464	386	451	696	521	392	561			
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	0
SRev Co-Gen		0	-1	1	0	0	1	-1	1	1	1	1	1	0	0	2	1	0	0	-1	1	0	-1	-1	0	0	-1	1	-1	0	-1	1	0	0	2	0	1	1	0	0	2	0	0	0	0	1	-1	1	0			
Syncon		736	585	585	736	736	736	585	736	736	736	736	887	736	610	761	761	676	676	525	374	374	187	187	187	187	525	525	525	525	187	187	187	187	187	187	489	802	802	802	651	338	338	338	338	338	802	802	802			
Hydro		95	253	224	95	93	99	104	216	88	84	85	211	84	207	211	83	85	173	90	221	248	316	410	405	202	194	190	191	247	468	467	467	469	467	467	298	145	148	121	253	447	468	470	483	506	258	229	242			
S.Reserve Total		1660	1822	1991	2126	2218	2209	2450	2413	2568	2606	2610	2651	2536	2459	2521	2528	2681	2212	1783	1508	1490	1259	980	1169	1414	1493	1652	1424	1480	1197	1213	1188	1093	1130	1335	1716	1797	2167	2004	1249	1373	1395	1293	1399	1651	1686	1573	1714			