

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,549 MW
Hydro	1,952 MW
Distillate	0 MW
Total TNB	5,501 MW
Total IPP	14,504 MW
Total Co-Gen	68 MW
Total System	20,637 MW

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:	21:30:00 Hour
Total Set On Bus	17,300 MW
TNB Generation	3,169 MW
IPP Generation	12,898 MW
Spinning Reserve	1,199 MW
Maximum Demand	16,114 MW
Net Energy	343,079 MWH
Load Factor	88.71 %

Gas Usage

Station	(mmscfd)
GLGR	56
PGPS	51
TJGS	222
Total TNB	329
CBPS	55
KLPP	75
MPSS	12
NPRI	149
PGLA	113
PLPS	70
PTEK	3
SGB3	74
SGRI	122
Total IPP	675
Total Gas	1,004

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	45,956	13.40 %
Hydro	21,518	6.27 %
Total TNB	67,474	19.67 %
ST-Coal	182,232	53.12 %
Gas	91,572	26.69 %
Total IPP	273,804	79.81 %
Co-Gen	1,129	0.33 %
Total Co-Gen	1,129	0.33 %
Total Generation	342,407	99.80 %
PLTG	-61	-0.02 %
HVDC	-611	-0.18 %
Interconnection	-672	-0.20 %
Net Energy	343,079	100.00 %

Fuel Cost

Total Cost:	51,565,925.20 RM
Cost per Unit	16.07 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	407
Hydro	300
Syncon	324
Thermal	193
Total	1,224

Total Gas Required 1,004

Time Weather Temperature

Afternoon	Hot	35
Morning	Cloudy	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	14367	13767	13291	12865	12589	12593	12428	12032	12005	13387	14183	14778	14798	14642	15180	15392	15544	15337	15010	14996	15731	16089	15952	15750

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																												
PCUF	CUFK	30	34	37	35	35	34	37	38	39	37	37	35	36	35	36	36	37	36	33	33	29	28	28	30	29	25	27	27	27	27	28	28	28	27	29	29	30	31	30	31	32	31	32	31	31	32	32	34	34			
Total Co-Gen		65	68	72	68	69	69	71	72	73	70	71	70	69	69	70	71	73	73	67	55	29	28	28	30	29	25	27	27	27	28	28	30	29	31	31	32	34	34	34	34	36	34	35	33	34	34	34	34	36	36		
Total Gen		14375	14082	13807	13506	13277	13003	12811	12665	12554	12577	12546	12431	12352	12219	12069	11752	11970	12686	13256	13630	14078	14530	14709	14962	14773	14553	14633	14936	15101	15337	15355	15520	15585	15605	15388	15235	14986	14900	14987	15263	15672	16028	16100	16101	15921	15812	15690	15364				
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		
TIE-HVDC		31	31	31	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-27	-30	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29		
TIE-PLTG		-23	25	10	4	15	44	-25	-58	-6	0	-18	-19	-47	-15	66	-14	-6	-25	-102	-78	-76	7	-39	74	5	-12	20	37	-52	-47	-7	-6	71	79	81	69	5	12	20	-30	-30	-21	41	16	-2	-21	-31	-11	-11	-11		
Interconnection		8	55	40	-26	-14	15	-54	-86	-35	-29	-47	-48	-76	-45	37	-43	-35	-55	-131	-107	-105	-23	-69	45	-25	-42	-9	8	-79	-76	-37	-36	41	49	51	40	-24	-17	-9	-60	-59	-50	11	-13	-31	-49	-60	-40	-40			
System Total		14367	14027	13767	13532	13291	12988	12865	12751	12589	12606	12593	12479	12428	12264	12032	11795	12005	12741	13387	13737	14183	14553	14778	14917	14798	14595	14642	14928	15180	15413	15392	15556	15544	15556	15337	15195	15010	14917	14996	15323	15731	16078	16089	16114	15952	15861	15750	15404				
SRev ST-Coal		160	150	256	256	262	317	283	325	335	319	323	326	324	319	317	325	325	261	264	248	250	261	253	231	170	170	196	196	185	166	169	168	177	164	170	161	169	167	162	157	150	160	155	170	171	165	163	156	156			
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	0
SRev CCGT-Gas		502	631	357	425	492	374	683	739	741	736	752	851	919	1076	1228	1599	1440	782	352	153	877	276	201	514	564	390	317	329	437	355	577	303	416	437	470	729	678	901	859	766	523	251	266	261	441	278	228	561	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	0
SRev Co-Gen		15	12	8	12	11	11	9	8	7	10	9	10	11	11	10	9	7	7	13	25	11	12	12	10	11	15	13	13	13	12	12	38	39	37	37	36	34	34	34	34	32	34	33	35	34	34	34	34	32	32	32	
Syncon		640	640	640	728	728	728	728	728	728	728	728	728	577	728	577	728	900	900	900	151	302	302	302	302	453	453	302	151	255	0	0	0	0	338	338	640	640	640	640	453	453	453	453	453	453	453	453	453	453	453		
Hydro		200	134	79	85	102	126	174	122	123	125	134	145	153	292	139	271	129	131	124	121	366	181	299	279	298	281	100	260	210	227	433	545	570	730	317	324	63	184	144	73	149	145	144	284	283	343	340	340				
S.Reserve Total		1517	1567	1340	1506	1595	1556	1877	1922	1934	1918	1946	2060	2135	2275	2422	2781	2629	2081	1653	1447	1655	1032	1067	1336	1345	1309	1079	1100	996	1015	1191	1054	1202	1368	1332	1588	1584	1931	1844	1668	1309	1122	1050	1199	1379	1345	1216	1542				