

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,768 MW
Hydro	2,081 MW
Distillate	0 MW
Total TNB	4,849 MW
Total IPP	14,482 MW
Total Co-Gen	0 MW
Total System	19,895 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:	20:00:00 Hour
Total Set On Bus	16,089 MW
TNB Generation	2,850 MW
IPP Generation	11,814 MW
Spinning Reserve	1,352 MW
Maximum Demand	14,816 MW
Net Energy	317,943 MWH
Load Factor	89.41 %

Gas Usage

Station	(mmscfd)
GLGR	54
PGPS	26
TJGS	191
Total TNB	271
CBPS	55
KLPP	83
NPRI	137
PGLA	79
PLPS	62
PTEK	3
SGB3	2
SGRI	36
Total IPP	457
Total Gas	727
Total Gas Required	727

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	37,364	11.75 %
Hydro	13,494	4.24 %
Total TNB	50,858	16.00 %
ST-Coal	200,520	63.07 %
Gas	63,929	20.11 %
Total IPP	264,449	83.17 %
Co-Gen	1,555	0.49 %
Total Co-Gen	1,555	0.49 %
Total Generation	316,862	99.66 %
PLTG	-384	-0.12 %
HVDC	-697	-0.22 %
Interconnection	-1,081	-0.34 %
Net Energy	317,943	100.00 %

Fuel Cost

Total Cost:	49,340,044.55 RM
Cost per Unit	16.31 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	569
Hydro	274
Syncon	928
Thermal	298
Total	2,069

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
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	13530	12981	12596	12172	11965	11757	11857	11786	11631	12680	13442	13938	13718	13454	13793	13999	13731	13893	13533	13793	14816	14683	14271	13809

Daily MW Generation on Saturday

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																										
Interconnection		-24	-53	-45	-37	-41	-27	-49	-78	-51	-39	-41	-25	-100	-37	-24	-50	-21	-78	-37	-64	-48	-49	-92	-71	-60	-38	-30	-85	1	-7	-29	-66	-3	-78	-48	-4	13	-32	-45	-106	-79	-72	-27	-46	-47	-19	-41	-35		
System Total		13530	13270	12981	12783	12596	12352	12172	12090	11965	11861	11757	11767	11857	11905	11786	11530	11631	12276	12680	13047	13442	13687	13938	13938	13718	13575	13454	13635	13793	13604	13999	13811	13731	13930	13893	13693	13533	13609	13793	14490	14816	14725	14683	14466	14271	14042	13809	13675		
SRev ST-Coal		286	294	276	277	267	274	271	274	279	261	275	276	279	267	284	618	663	519	212	267	255	340	342	320	265	497	302	241	289	326	227	253	271	332	262	195	272	274	243	253	297	367	352	280	258	281	301	357		
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	-3	-2	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		1405	1275	1541	1310	1089	1313	1439	1445	1526	1526	1595	1604	1580	1635	1694	1644	1320	1048	1011	1060	1017	530	435	370	362	633	920	1005	760	732	403	601	593	425	508	731	742	739	602	121	97	158	169	282	265	514	753	823		
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
SRev Co-Gen		1	0	2	2	2	1	2	1	2	0	0	-2	2	0	1	1	0	0	-5	-7	1	0	2	-5	-13	-10	-8	-13	-13	-13	-10	-14	-13	-14	-14	-14	-13	-16	-12	-15	-16	-15	-16	-14	-16	-15	-14	-16	-14	
Syncon		640	827	827	1147	1063	1063	1063	1063	1063	1063	912	1063	912	1063	1063	1164	1063	1063	912	912	741	892	1062	1062	1147	1147	911	826	977	1063	1063	1063	1063	1063	912	1063	1063	876	790	705	705	554	892	892	741	741				
Hydro		765	505	538	142	140	138	137	144	150	157	176	294	148	276	154	134	131	83	93	407	397	562	440	343	217	106	102	105	317	436	251	168	175	159	154	151	238	90	93	172	183	220	222	443	245	272	379	364		
S.Reserve Total		3097	2901	3184	2878	2561	2789	2912	2927	3020	3007	3109	3084	3072	3090	3196	3460	3278	2713	2374	2648	2591	2177	2115	2094	1897	2377	2467	2486	2266	2310	1851	2075	2093	1969	1977	2131	2152	2158	1990	1406	1352	1434	1434	1543	1645	1945	2158	2271		