

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	2,425 MW
Distillate	0 MW
Total TNB	5,216 MW
Total IPP	14,607 MW
Total Co-Gen	30 MW
Total System	20,417 MW

Generation Mix

Type	MWh	Percentage
Gas	41,892	11.71 %
Hydro	27,474	7.68 %
Total TNB	69,366	19.40 %
ST-Coal	185,558	51.89 %
Gas	100,928	28.22 %
Total IPP	286,486	80.11 %
Co-Gen	729	0.20 %
Total Co-Gen	729	0.20 %
Total Generation	356,581	99.71 %
PLTG	-346	-0.10 %
HVDC	-699	-0.20 %
Interconnection	-1,045	-0.29 %
Net Energy	357,626	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:	15:00:00 Hour
Total Set On Bus	18,321 MW
TNB Generation	3,870 MW
IPP Generation	13,149 MW
Spinning Reserve	1,275 MW
Maximum Demand	17,087 MW
Net Energy	357,626 MWH
Load Factor	87.21 %

Fuel Cost

Total Cost:	55,159,567.55 RM
Cost per Unit	16.76 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	485
Hydro	370
Syncon	558
Thermal	194
Total	1,607

Time Weather Temperature

Afternoon	Sunny	28
Morning	Sunny	34

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	14255	13479	13048	12651	12428	12254	12421	12392	12874	14811	15887	16419	16468	16125	16644	17087	16981	16570	15485	15318	16327	16146	15614	15225

Gas Usage

Station	(mmscfd)
GLGR	52
PGPS	38
SRDG	8
TJGS	209
Total TNB	306
CBPS	52
KLPP	95
MPSS	45
NPRI	149
PGLA	107
PLPS	86
PTEK	9
SGB3	81
SGRI	83
YPKA	47
Total IPP	754
Total Gas	1,060
Total Gas Required	1,060

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Daily MW Generation on Thursday

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																											
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																											
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																											
UPIA	HY01	5	6	6	6	6	6	6	6	6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4																											
UPIA	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6																											
Total Hydro		963	1002	959	949	960	949	917	917	931	813	818	827	826	830	809	825	831	849	1139	1188	1306	1293	1382	1412	1413	1352	1304	1554	1554	1712	1711	1710	1631	1632	1561	1191	870	766	778	1092	1378	1380	1208	1142	1024	1001	1079	1023			
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	
PCUF	CUFK	31	30	30	31	31	30	29	30	32	32	31	32	30	32	31	30	31	31	31	32	31	31	30	31	28	28	29	29	29	27	27	33	30	30	29	30	30	32	31	31	31	32	31	29	30	30	31	31			
Total Co-Gen		31	30	30	31	31	30	29	30	32	32	31	32	30	32	31	30	31	31	31	32	31	31	30	31	28	28	29	29	29	27	27	33	30	30	29	30	30	32	31	31	31	32	31	29	30	30	31	31			
Total Gen		14189	13789	13439	13183	12994	12817	12617	12481	12361	12286	12195	12151	12329	12628	12356	12332	12841	13950	14700	15201	15822	16139	16400	16616	16420	16143	16101	16313	16631	17001	17046	16976	16923	16946	16616	16002	15547	15158	15255	16207	16292	16398	16112	15901	15615	15546	15190	14971			
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		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		-37	-32	-12	-38	-25	-30	-5	-16	-38	-68	-30	-105	-63	-73	-6	-18	-3	-23	-83	-47	-36	-76	11	10	-18	-1	5	0	15	-10	-12	-33	-28	-19	77	-3	92	37	-35	-17	-6	6	-5	-20	29	54	-6	52			
Interconnection		-66	-61	-40	-68	-54	-59	-34	-45	-67	-98	-59	-134	-92	-102	-36	-47	-33	-51	-111	-76	-65	-106	-19	-48	-30	-24	-30	-13	-38	-41	-62	-58	-49	46	62	7	-63	-47	-35	-23	-34	-49	1	25	-35	22					
System Total		14255	13820	13479	13251	13048	12876	12651	12526	12428	12384	12254	12285	12421	12730	12392	12379	12874	14001	14811	15277	15887	16245	16419	16635	16468	16173	16125	16343	16644	17039	17087	17038	16981	16995	16570	16036	15485	15151	15318	16254	16327	16331	16146	15950	15614	15521	15225	14949			
SRev ST-Coal		325	347	365	342	366	348	357	350	352	361	360	340	345	354	347	350	343	319	264	188	197	194	198	213	208	213	209	187	195	176	183	183	168	184	213	182	140	184	190	139	200	184	143	210	192	195	149	197			
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		735	1119	1364	1635	1813	1995	2151	2294	2432	2292	2375	2446	2283	1896	2215	2337	1850	980	1215	1151	638	466	497	297	496	707	706	516	300	275	380	384	371	334	513	432	556	889	797	210	350	263	327	353	471	320	343	458			
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		-1	0	0	-1	-1	0	1	0	-2	-2	-1	-2	0	-2	-1	0	-1	-1	-1	-2	-1	-1	0	-1	2	2	1	1	1	3	3	-3	0	0	1	0	0	-2	-1	-1	-1	-2	-1	1	0	0	-1	-1			
Syncon		676	525	676	676	676	676	676	676	676	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	
Hydro		507	619	511	521	510	521	553	553	539	531	526	517	518	514	535	519	513	495	502	579	616	478	389	359	358	419	567	468	468	310	311	312	391	390	461	455	348	452	435	423	337	335	260	24	142	165	238	143			
S.Reserve Total		2242	2610	2916	3173	3364	3540	3738	3873	3997	3984	4062	4103	3948	3564	3898	4008	3507	2595	2485	2295	1824	1662	1609	1393	1589	1866	2008	1546	1336	1197	1275	1255	1308	1285	1615	1758	1972	2451	2354	1402	1517	1411	1657	1818	2035	1910	1808	2027			