

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	2,063 MW
Distillate	0 MW
Total TNB	4,854 MW
Total IPP	16,242 MW
Total Co-Gen	80 MW
Total System	21,740 MW

Generation Mix

Type	MWh	Percentage
Gas	36,444	10.80 %
Hydro	20,927	6.20 %
Total TNB	57,371	17.00 %
ST-Coal	199,287	59.04 %
Gas	78,485	23.25 %
Total IPP	277,772	82.30 %
Co-Gen	1,738	0.51 %
Total Co-Gen	1,738	0.51 %
Total Generation	336,881	99.81 %
PLTG	55	0.02 %
HVDC	-697	-0.21 %
Interconnection	-642	-0.19 %
Net Energy	337,523	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:	11:30:00 Hour
Total Set On Bus	17,476 MW
TNB Generation	2,656 MW
IPP Generation	12,772 MW
Spinning Reserve	1,974 MW
Maximum Demand	15,499 MW
Net Energy	337,523 MWH
Load Factor	90.74 %

Fuel Cost

Total Cost:	55,650,975.65 RM
Cost per Unit	17.61 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	756
Hydro	271
Syncon	736
Thermal	289
Total	2,052

Time	Weather	Temperature
Afternoon	Rainy	32
Morning	Rainy	27

Gas Usage

Station	(mmscfd)
GLGR	48
TJGS	213
Total TNB	261
CBPS	54
KLPP	90
NPRI	83
PGLA	100
PLPS	87
SGB3	74
SGRI	45
YPKA	61
Total IPP	594
Total Gas	855
Total Gas Required	855

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	13828	13369	12822	12437	12247	12027	12351	12272	12623	14273	15001	15467	15343	14715	14876	15243	15335	15109	14275	14673	15181	15096	14441	14032

Daily MW Generation on Friday

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																									
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												
TIE-HVDC		-29	-29	-30	-30	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29												
TIE-PLTG		-32	-22	-61	-26	-51	-42	9	-27	-10	-13	-3	-30	-7	55	8	-25	52	-27	-29	-12	11	8	2	31	17	-25	10	-18	16	19	79	-37	2	-30	21	20	102	-3	5	-29	50	-5	7	25	15	52	22	35	
Interconnection		-61	-51	-91	-56	-80	-70	-20	-55	-39	-43	-32	-59	-36	26	-21	-54	22	-56	-58	-41	-18	-20	-27	3	-12	-54	-20	-48	-14	-11	49	-66	-27	-59	-8	-9	73	-31	-24	-58	22	-33	-22	-4	-13	23	-7	6	
System Total		13828	13548	13369	13074	12822	12702	12437	12365	12247	12175	12027	12214	12351	12400	12272	12265	12623	13525	14273	14637	15001	15295	15467	15499	15343	15120	14715	14731	14876	15056	15243	15384	15335	15344	15109	14801	14275	14168	14673	15472	15181	15234	15096	14757	14441	14245	14032	13774	
SRev ST-Coal		188	188	326	350	360	359	453	524	589	738	626	612	602	535	370	357	383	526	483	466	474	373	247	234	235	261	242	239	248	201	198	202	223	280	280	284	296	284	284	292	270	255	263	256	310	325	318	324	
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
SRev CCGT-Gas		1292	1471	1313	1360	1418	1301	1417	1455	1469	1414	1550	1455	1318	1333	1627	1672	1350	1126	981	976	746	581	623	679	829	998	1279	1279	1036	778	781	760	778	846	929	1092	1232	1126	794	353	620	468	406	665	899	1018	1104	933	
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
SRev Co-Gen		16	14	7	8	7	7	7	6	5	7	6	6	4	7	6	7	3	6	5	5	6	7	5	6	4	6	4	7	8	6	7	-3	-3	0	-1	0	-1	-1	-1	0	-1	1	0	0	0	1	-1	-2	
Syncon		676	761	845	694	845	845	845	971	820	820	820	820	820	820	820	971	971	971	820	971	886	886	735	735	735	735	735	735	735	735	735	735	735	548	735	735	820	669	633	464	464	651	651	711	795	669	669	971	
Hydro		302	210	125	257	129	129	135	130	260	258	260	307	294	271	316	176	227	123	337	173	160	144	425	320	333	334	429	426	413	422	177	168	137	219	133	134	122	390	307	268	294	306	378	331	285	419	397	119	
S. Reserve Total		2474	2644	2616	2669	2759	2641	2857	3086	3143	3237	3262	3200	3038	2966	3139	3183	2934	2752	2626	2591	2272	1991	2035	1974	2136	2334	2689	2686	2440	2142	1898	1862	1870	1893	2076	2245	2469	2468	2017	1377	1647	1681	1698	1963	2289	2432	2487	2345	