

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,033 MW
Hydro	1,720 MW
Distillate	0 MW
Total TNB	5,753 MW
Total IPP	15,257 MW
Total Co-Gen	48 MW
Total System	21,058 MW

Generation Mix

Type	MWh	Percentage
Gas	42,134	12.78 %
Hydro	8,503	2.58 %
Total TNB	50,637	15.36 %
ST-Coal	182,425	55.32 %
ST-Gas	1,822	0.55 %
Gas	94,249	28.58 %
Total IPP	278,496	84.45 %
Co-Gen	1,128	0.34 %
Total Co-Gen	1,128	0.34 %
Total Generation	330,261	100.15 %
PLTG	-238	-0.07 %
HVDC	726	0.22 %
Interconnection	488	0.15 %
Net Energy	329,773	100.00 %

Maximum Demand Record

Date: 3/21/2016	17,358 MW
Date: 3/10/2016	359,307 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	16,214 MW
TNB Generation	2,607 MW
IPP Generation	12,429 MW
Spinning Reserve	1,130 MW
Maximum Demand	15,032 MW
Net Energy	329,773 MWH
Load Factor	91.41 %

Fuel Cost

Total Cost:	41,890,444.40 RM
Cost per Unit	13.02 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	267
Hydro	242
Syncon	600
Thermal	116
Total	1,225

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
GLGR	31
PAKA	49
PGPS	3
TJGS	217
Total TNB	301
KLPP	102
MPSS	6
NPRI	155
PGLA	114
PLPS	94
PTEK	2
SGRI	185
SKSP	34
PKLG	18
Total IPP	709
Total Gas	1,010

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required	1,010
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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	14601	13972	13440	12974	12647	12368	12274	12078	11656	12746	13628	14235	14179	13993	14390	14530	14574	14268	13704	13616	15026	15013	14775	14692

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																													
Total Gen		14588	14202	13961	13704	13444	13249	12992	12951	12754	12534	12374	12230	12232	12184	12090	11652	11669	12281	12768	13147	13617	14030	14264	14408	14126	14037	14022	14208	14409	14629	14511	14567	14585	14571	14370	14091	13719	13600	13623	14831	15055	15084	15089	14923	14803	14810	14728	14497					
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	0	0
TIE-HVDC		30	30	30	31	31	30	30	29	29	30	30	29	29	30	30	31	31	31	31	31	31	30	30	30	30	30	30	30	30	30	30	30	31	28	30	30	30	30	30	31	31	31	31	31	31	31	31	31	31	30	30	31	
TIE-PLTG		-43	-40	-41	-35	-27	-33	-12	20	77	-17	-24	-21	-72	-16	-18	-13	-18	-33	-9	-51	-42	4	-2	27	-84	-70	-1	-34	-11	-25	-49	-47	-19	-31	74	94	-16	-2	-24	135	-2	21	45	-18	-3	4	6	18					
Interconnection		-13	-10	-11	-4	4	-3	18	49	107	13	6	8	-42	14	12	18	13	-2	22	-19	-11	34	29	58	-53	-40	29	-4	19	5	-19	-18	11	0	102	124	15	29	7	165	29	52	76	13	28	34	36	49					
System Total		14601	14212	13972	13708	13440	13252	12974	12902	12647	12521	12368	12222	12274	12170	12078	11634	11656	12283	12746	13166	13628	13996	14235	14350	14179	14077	13993	14212	14390	14624	14530	14585	14574	14571	14268	13967	13704	13571	13616	14666	15026	15032	15013	14910	14775	14776	14692	14448					
SRev ST-Coal		352	232	241	229	242	289	284	222	245	239	238	218	231	260	259	159	175	180	175	119	94	80	48	-41	207	157	136	114	134	122	131	145	137	155	140	157	144	144	142	88	72	40	155	156	142	153	180	152					
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		169	495	285	418	436	242	427	498	660	880	1037	1108	1157	1102	958	1312	1214	591	544	357	143	411	228	178	181	178	289	252	253	312	249	183	181	182	360	448	851	946	933	150	309	309	311	198	276	195	253	182					
SRev ST-Gas		-50	-1	-1	0	0	2	2	-12	-20	-40	0	0	34	40	35	33	0	0	0	0	0	0	0	0	0	0	0	0	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	1	0	2	-1	-1	2	2	1	1	1	0	0	1	-1	-2	-3	0	2	1	1	1	0	3	0	2	2	5	1	-1	1	2	0	1	2	0	3	2	1	4	2	0	2	0	0	1	3	2					
Syncon		550	550	550	550	550	701	701	701	701	701	701	701	701	701	701	701	701	701	701	613	613	613	613	613	613	613	701	701	701	701	617	617	617	617	617	617	701	701	701	701	428	428	428	428	462	613	613	613	802				
Hydro		260	264	214	243	261	119	129	128	148	126	133	128	124	126	126	123	111	109	115	194	67	108	128	134	366	235	252	268	271	137	310	304	300	294	327	250	228	251	244	170	340	352	369	344	250	261	257	84					
S.Reserve Total		1282	1541	1289	1442	1488	1352	1545	1539	1735	1907	2110	2155	2247	2230	2078	2326	2198	1581	1537	1284	918	1213	1017	887	1367	1273	1380	1340	1360	1187	1308	1251	1235	1249	1446	1556	1927	2044	2021	840	1159	1130	1265	1160	1281	1223	1306	1222					