

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,289 MW
Hydro	2,309 MW
Distillate	0 MW
Total TNB	5,598 MW
Total IPP	13,886 MW
Total Co-Gen	35 MW
Total System	19,519 MW

Generation Mix

Type	MWh	Percentage
Gas	33,531	11.40 %
Hydro	16,010	5.44 %
Total TNB	49,541	16.85 %
ST-Coal	167,071	56.81 %
Gas	77,464	26.34 %
Total IPP	244,535	83.15 %
Co-Gen	747	0.25 %
Total Co-Gen	747	0.25 %
Total Generation	294,823	100.25 %
PLTG	9	0.00 %
HVDC	727	0.25 %
Interconnection	736	0.25 %
Net Energy	294,087	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:	21:00:00 Hour
Total Set On Bus	15,294 MW
TNB Generation	2,409 MW
IPP Generation	11,508 MW
Spinning Reserve	1,346 MW
Maximum Demand	13,917 MW
Net Energy	294,087 MWH
Load Factor	88.05 %

Fuel Cost

Total Cost:	47,161,993.65 RM
Cost per Unit	16.92 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	503
Hydro	212
Syncon	948
Thermal	71
Total	1,734

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	31
PAKA	95
PGPS	26
TJGS	107
Total TNB	258
CBPS	53
KLPP	67
MPSS	56
NPRI	135
PGLA	66
PLPS	57
SGB3	38
SGRI	69
SKSP	46
Total IPP	587
Total Gas	845

Total Gas Required 845

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	12841	12236	11754	11431	11164	11029	10999	10947	10517	11228	11875	12486	12661	12578	12697	12827	12794	12437	12189	12627	13870	13917	13695	13272

Daily MW Generation on Sunday

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																										
System Total		12841	12561	12236	11897	11754	11612	11431	11280	11164	11049	11029	10999	10999	11093	10947	10602	10517	10807	11228	11555	11875	12260	12486	12568	12661	12444	12578	12596	12697	12785	12827	12796	12794	12672	12437	12186	12189	12226	12627	13478	13870	13845	13917	13763	13695	13569	13272	13141		
SRev ST-Coal		199	241	156	48	147	235	250	190	207	211	202	193	195	199	153	166	169	158	212	196	180	160	249	112	189	116	130	92	147	153	153	157	161	150	153	159	160	159	145	-15	-118	-89	-110	-95	-99	45	150	146		
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
SRev CCGT-Gas		1210	979	756	1143	1235	1132	1129	1321	1371	1457	1472	1528	1522	1442	1596	1862	1871	1723	1348	976	834	724	546	725	656	737	604	654	731	566	472	434	419	591	707	1001	1187	1169	881	422	268	327	283	309	318	334	449	569		
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		2	3	3	3	1	2	1	2	3	11	9	10	12	10	4	2	3	2	3	3	3	3	4	4	2	4	4	3	3	4	3	4	3	3	3	3	3	3	2	3	4	3	3	4	6	4	3	5	4	
Syncon		612	612	612	612	612	612	914	914	914	914	1065	1065	1065	1065	1065	1065	1065	1065	1065	1065	1065	914	914	914	914	914	914	914	914	1065	1166	1065	1065	1166	914	1065	1065	1065	1065	914	914	914	914	914	914	1101	1101			
Hydro		280	235	276	270	255	403	453	207	211	235	241	103	83	70	71	106	199	83	82	96	102	240	284	132	194	135	153	133	230	290	210	172	252	196	228	190	64	68	112	129	316	257	255	237	150	157	157	153		
S.Reserve Total		2303	2070	1803	2076	2250	2384	2445	2634	2706	2828	2838	2899	2877	2786	2889	3201	3307	3031	2710	2336	2184	2041	1997	1887	1955	1906	1805	1796	2025	1927	1903	1933	1900	2005	2257	2267	2479	2463	2206	1605	1383	1412	1346	1371	1287	1453	1862	1973		