

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,668 MW
Hydro	2,483 MW
Distillate	0 MW
Total TNB	<u>5,151 MW</u>
Total IPP	<u>14,045 MW</u>
Total Co-Gen	0 MW
Total System	<u>19,760 MW</u>

Generation Mix

Type	MWh	Percentage
Gas	39,241	12.07 %
Hydro	12,578	3.87 %
Total TNB	51,819	15.93 %
ST-Coal	185,417	57.02 %
Gas	85,537	26.30 %
Total IPP	270,954	83.32 %
Co-Gen	1,763	0.54 %
Total Co-Gen	1,763	0.54 %
Total Generation	324,536	99.80 %
PLTG	33	0.01 %
HVDC	-696	-0.21 %
Interconnection	-663	-0.20 %
Net Energy	325,199	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:	20:00:00 Hour
Total Set On Bus	16,286 MW
TNB Generation	2,992 MW
IPP Generation	11,887 MW
Spinning Reserve	1,335 MW
Maximum Demand	14,952 MW
Net Energy	325,199 MWH
Load Factor	90.62 %

Fuel Cost

Total Cost:	53,721,262.45 RM
Cost per Unit	17.20 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	358
Hydro	431
Syncon	752
Thermal	172
Total	1,713

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	47
GLGR	54
PAKA	27
SRDG	4
TJGS	164
Total TNB	296
KLPP	76
MPSS	50
NPRI	153
PGLA	52
PLPS	86
PTEK	7
SGRI	166
SKSP	51
Total IPP	641
Total Gas	937

Total Gas Required 937

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	13997	13364	12897	12497	12066	11830	11851	11819	11495	12706	13624	14237	14308	14051	14449	14560	14560	14271	13742	13632	14952	14865	14474	14292

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 Co-Gen		73	70	74	74	73	74	74	76	77	75	75	78	77	77	80	79	77	75	74	72	73	71	69	71	70	71	69	70	68	70	72	71	72	73	73	73	73	74	72	72	74	72	74	73	75	77				
Total Gen		13936	13548	13274	13131	12859	12612	12480	12291	12020	12118	11830	11905	11847	12008	11798	11592	11462	12109	12730	13116	13613	13962	14205	14448	14290	14087	14024	14247	14440	14613	14539	14539	14555	14487	14266	14010	13723	13632	13645	14315	14951	14922	14803	14697	14430	14374	14248	14048		
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		
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-29	-29	-29	-29	-29	-29	-29	-29		
TIE-PLTG		-31	-48	-61	22	-9	4	12	-16	-18	10	29	-14	25	-29	8	-35	-4	48	52	79	18	17	-3	55	12	5	2	28	20	-34	9	-27	24	-8	24	30	10	5	42	-30	28	9	-33	29	-15	-83	-15	-78		
Interconnection		-61	-77	-90	-7	-38	-25	-17	-45	-46	-18	0	-43	-4	-57	-21	-64	-33	18	24	51	-11	-12	-32	26	-18	-24	-27	-1	-9	-63	-21	-56	-5	-37	-5	2	-19	-24	13	-60	-1	-20	-62	0	-44	-112	-44	-107		
System Total		13997	13625	13364	13138	12897	12637	12497	12336	12066	12136	11830	11948	11851	12065	11819	11656	11495	12091	12706	13065	13624	13974	14237	14422	14308	14111	14051	14248	14449	14676	14560	14595	14560	14524	14271	14008	13742	13656	13632	14375	14952	14942	14865	14697	14474	14486	14292	14155		
SRev ST-Coal		211	221	213	228	148	219	217	232	157	235	175	228	224	221	227	236	214	226	174	170	178	179	197	164	171	196	184	173	174	161	167	163	175	166	169	175	161	173	181	219	126	188	177	167	169	175	160	184		
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		440	636	333	380	506	632	711	913	1308	1264	1680	1427	1426	1229	1433	1621	1774	1353	1053	870	448	426	217	174	303	390	462	363	320	173	234	175	247	270	451	418	791	794	764	345	268	147	174	239	137	49	101	182		
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		7	10	6	6	7	6	6	4	3	5	5	5	2	3	3	3	0	1	3	5	6	8	7	9	11	9	10	9	11	-49	-47	-49	-51	-50	-51	-52	-52	-52	-52	-53	-51	-51	-53	-51	-53	-52	-54	-56		
Syncon		1212	1212	1212	1212	1212	1212	1212	1061	1212	1061	1212	1212	1061	1061	1061	1061	975	975	975	975	975	673	486	486	486	486	673	673	673	673	824	910	910	824	1126	1126	1126	1126	824	360	673	824	1126	1126	975	673	975			
Hydro		53	51	50	61	60	60	61	58	192	101	231	101	101	94	98	105	108	122	118	119	119	233	486	700	570	588	590	491	578	576	581	470	286	339	461	68	96	62	71	399	558	518	569	320	100	181	478	198		
S.Reserve Total		1923	2130	1814	1887	1933	2129	2207	2419	2721	2817	3152	2973	2965	2608	2822	3026	3157	2677	2323	2139	1726	1821	1580	1533	1541	1669	1732	1709	1756	1534	1608	1583	1567	1635	1854	1735	2122	2113	2100	1744	1335	1591	1710	1816	1658	1591	1368	1518		