

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,583 MW
Hydro	1,698 MW
Distillate	0 MW
Total TNB	5,281 MW
Total IPP	13,780 MW
Total Co-Gen	0 MW
Total System	19,631 MW

Generation Mix

Type	MWh	Percentage
Gas	63,934	19.04 %
Hydro	12,193	3.63 %
Total TNB	76,127	22.67 %
ST-Coal	173,483	51.66 %
Gas	86,473	25.75 %
Total IPP	259,956	77.41 %
Co-Gen	708	0.21 %
Total Co-Gen	708	0.21 %
Total Generation	336,791	100.29 %
PLTG	250	0.07 %
HVDC	729	0.22 %
Interconnection	979	0.29 %
Net Energy	335,812	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	16,626 MW
TNB Generation	3,424 MW
IPP Generation	11,708 MW
Spinning Reserve	1,471 MW
Maximum Demand	15,145 MW
Net Energy	335,812 MWH
Load Factor	92.39 %

Fuel Cost

Total Cost:	43,723,046.25 RM
Cost per Unit	13.47 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	585
Hydro	392
Syncon	276
Thermal	225
Total	1,478

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	3
GLGR	56
PAKA	156
PGPS	52
TJGS	214
Total TNB	481
CBPS	53
KLPP	103
MPSS	10
NPRI	86
PGLA	113
PLPS	93
SGRI	165
SKSP	21
Total IPP	646
Total Gas	1,126

Total Gas Required 1,126

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	14857	14169	13653	13217	12821	12605	12420	12105	11868	13013	13932	14619	14597	14416	14871	15027	14937	14596	14130	13967	15125	14964	14829	14591

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 Hydro		262	261	455	304	237	410	198	216	227	232	242	208	244	208	195	180	219	348	464	610	681	803	921	1013	1005	883	833	833	851	824	850	849	854	860	746	545	264	264	259	332	700	717	630	547	406	424	275	295		
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	CUFG	36	36	6	5	5	6	6	5	6	5	6	5	6	5	6	5	6	5	7	6	4	4	4	4	4	3	3	5	3	5	4	4	7	8	5	4	5	5	3	1	2	2	2	1	2	5	2	1	3	2
PCUF	CUFK	23	23	22	24	23	22	24	24	24	23	24	23	23	23	23	23	24	25	23	24	24	24	25	23	24	30	32	30	22	23	24	24	23	23	24	24	23	24	23	23	22	22	23	25	22	23	29			
Total Co-Gen		59	59	28	29	28	28	30	29	30	28	29	28	29	28	29	28	29	27	28	28	28	28	28	26	29	33	37	34	26	30	32	29	27	28	29	27	24	26	25	25	23	24	28	27	23	26	31			
Total Gen		14866	14540	14328	13936	13715	13592	13258	13078	12870	12792	12625	12586	12416	12382	12192	11936	11889	12498	13005	13591	13974	14395	14647	14856	14695	14502	14475	14719	14885	15003	15027	15060	14930	14943	14649	14412	14158	13988	14028	14799	15115	15155	15023	15046	14901	14822	14580	14527		
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	
TIE-HVDC		30	31	31	30	30	30	30	30	29	30	31	31	31	31	30	30	30	30	30	31	31	31	31	31	31	30	30	31	31	31	31	31	30	30	31	29	31	31	31	31	31	31	31	31	31	31	31	31		
TIE-PLTG		-21	47	128	67	32	63	11	-4	19	6	-10	19	-35	17	57	69	-9	11	-38	30	11	6	-3	36	67	-9	29	11	-16	-32	-31	-37	-37	-25	22	37	-2	18	30	-35	-39	-21	28	52	41	-14	-41	-6		
Interconnection		9	78	159	97	62	93	41	25	49	35	20	50	-4	48	87	99	21	40	-8	60	42	37	28	67	98	21	59	42	14	-1	0	-7	-7	5	53	68	28	49	61	-4	-10	10	59	83	72	16	-11	24		
System Total		14857	14462	14169	13839	13653	13499	13217	13053	12821	12757	12605	12536	12420	12334	12105	11837	11868	12458	13013	13531	13932	14358	14619	14789	14597	14481	14416	14677	14871	15004	15027	15067	14937	14938	14596	14344	14130	13939	13967	14803	15125	15145	14964	14963	14829	14806	14591	14503		
SRev ST-Coal		216	252	301	287	250	240	359	355	333	310	302	299	296	250	247	232	257	249	241	253	239	247	233	251	238	244	241	298	216	221	227	253	239	221	242	226	285	216	181	222	225	154	127	131	130	130	220			
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		181	481	646	539	636	207	190	203	222	394	593	604	778	807	1100	1343	1445	1141	1091	859	818	537	439	388	521	608	933	696	476	357	498	460	565	570	768	785	854	912	1039	444	456	427	544	572	465	490	236	111		
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		-48	-48	-17	-18	-17	-17	-19	-18	-19	-17	-19	-17	-18	-17	-18	-17	-19	-19	-18	-16	-17	-17	-17	-17	-15	-18	-22	-26	-23	-15	-19	-21	-18	-16	-17	-18	-16	-13	1	2	2	4	3	-1	0	4	1	-4		
Syncon		802	802	651	651	651	651	802	802	802	651	802	802	802	802	802	802	500	311	210	210	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	227	617	617	617	617	617	617	617	718	718	718	718	718	
Hydro		229	230	137	288	355	182	243	225	214	360	199	233	197	233	246	261	222	245	318	382	461	423	505	437	445	467	417	417	399	426	500	501	496	490	604	604	212	212	221	148	215	198	224	230	221	203	152	132		
S.Reserve Total		1380	1717	1743	1772	1900	1298	1481	1596	1599	1746	1910	1949	2083	2146	2405	2661	2707	2124	1951	1676	1725	1308	1300	1167	1328	1421	1698	1454	1276	1110	1326	1293	1422	1409	1702	1840	1893	2013	2094	1392	1512	1471	1627	1731	1535	1545	1237	1177		