

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,835 MW
Hydro	2,357 MW
Distillate	0 MW
Total TNB	5,192 MW
Total IPP	14,171 MW
Total Co-Gen	20 MW
Total System	19,383 MW

Generation Mix

Type	MWh	Percentage
Gas	48,318	15.35 %
Hydro	7,445	2.36 %
Total TNB	55,763	17.71 %
ST-Coal	166,774	52.97 %
Gas	92,852	29.49 %
Total IPP	259,626	82.46 %
Co-Gen	433	0.14 %
Total Co-Gen	433	0.14 %
Total Generation	315,822	100.30 %
PLTG	231	0.07 %
HVDC	722	0.23 %
Interconnection	953	0.30 %
Net Energy	314,869	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:	19:30:00 Hour
Total Set On Bus	16,132 MW
TNB Generation	2,702 MW
IPP Generation	11,632 MW
Spinning Reserve	1,781 MW
Maximum Demand	14,295 MW
Net Energy	314,869 MWH
Load Factor	91.78 %

Fuel Cost

Total Cost:	42,802,085.70 RM
Cost per Unit	13.87 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	414
Hydro	282
Syncon	1,038
Thermal	177
Total	1,911

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

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	14019	13359	12753	12225	12058	11840	11815	11603	11320	12443	13287	13875	13817	13555	13748	13748	13626	13388	13188	13724	14271	13975	13596	13310

Gas Usage

Station	(mmscfd)
CBPS	1
GLGR	14
PAKA	93
PGPS	27
TJGS	217
Total TNB	352
CBPS	55
KLPP	99
MPSS	47
NPRI	150
PGLA	87
PLPS	68
SGRI	135
SKSP	50
Total IPP	692
Total Gas	1,044

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas	1,044
Total Gas Required	1,044

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 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							
PCUF	CUFK	19	16	19	17	20	17	19	18	17	18	18	17	17	19	16	18	18	18	18	18	17	20	19	17	19	19	18	19	17	18	18	17	18	19	19	19	19	17	18	20	18								
Total Co-Gen		19	16	19	17	20	17	19	18	17	18	18	17	17	19	16	18	18	18	18	18	17	20	19	17	19	19	18	19	17	18	18	17	18	19	19	19	17	18	20	18									
Total Gen		14047	13801	13456	13192	12836	12597	12313	12249	12113	12043	11869	11774	11835	11822	11677	11478	11325	11937	12487	12894	13284	13666	13878	13992	13832	13670	13544	13756	13744	13805	13799	13724	13670	13705	13441	13274	13240	13340	13776	14351	14319	14223	14013	13878	13641	13546	13363	13075	
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		
TIE-HVDC		31	30	30	30	30	29	29	30	30	29	29	30	30	31	31	30	30	30	31	30	29	30	30	30	30	31	31	30	30	29	29	30	29	31	31	30	29	29	29	30	30	30	30	30	30	30	30	30	30
TIE-PLTC		-2	56	67	19	53	3	59	7	25	31	0	-20	-10	-20	43	43	-25	-24	13	-8	-32	-32	-27	-4	-15	19	-42	-18	-35	5	21	34	13	24	24	-4	20	29	23	27	19	13	8	22	15	10	23	12	
Interconnection		28	86	97	49	83	32	88	38	55	60	29	10	20	11	74	73	5	6	44	22	-3	-2	3	26	15	50	-11	13	-4	34	51	64	44	54	53	27	52	59	52	56	48	43	38	52	45	40	53	42	
System Total		14019	13715	13359	13143	12753	12565	12225	12211	12058	11983	11840	11764	11815	11811	11603	11405	11320	11931	12443	12872	13287	13668	13875	13966	13817	13620	13555	13743	13748	13771	13748	13660	13626	13651	13388	13247	13188	13281	13724	14295	14271	14180	13975	13826	13596	13506	13310	13033	
SRev ST-Coal		127	176	187	149	99	140	101	80	115	123	37	206	205	205	158	202	203	141	172	171	149	149	147	133	158	177	159	168	154	201	236	242	254	238	209	261	259	237	143	158	160	154	160	155	248	250	259	264	
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		681	714	771	619	711	695	903	990	1127	1195	1473	1635	1576	1588	1730	1881	1912	1476	863	646	560	280	369	469	506	440	472	260	265	247	366	196	292	276	545	715	773	953	655	262	285	319	521	425	505	544	420	358	
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		1	4	1	3	0	3	1	2	3	2	2	3	3	1	2	3	0	2	3	3	3	1	4	2	2	2	2	3	0	1	3	1	1	1	2	1	3	2	2	3	2	1	1	1	3	2	0	2	
Syncon		698	824	824	1076	1076	1177	1177	1177	1177	1177	1177	1177	1177	1177	1177	1177	1177	1177	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	1076	925	1076	1076	1177	1177	1177	1177	1177	1026	1177	1177		
Hydro		371	308	307	127	130	128	130	127	130	125	258	129	128	128	131	128	128	125	117	279	248	195	399	210	519	126	128	350	372	447	478	285	309	332	194	197	196	192	311	282	290	250	252	174	171	301	143	141	
S.Reserve Total		1878	2026	2094	1978	2020	2147	2316	2380	2556	2626	2800	3154	3093	3103	3202	3395	3424	2925	2336	2179	2040	1705	1848	1894	2114	1951	1967	1710	1720	1512	1720	1800	1932	1923	2026	2250	2307	2460	2036	1781	1813	1901	2111	1932	2104	2123	1999	1942	