

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,726 MW
Hydro	2,309 MW
Distillate	0 MW
Total TNB	5,035 MW
Total IPP	14,901 MW
Total Co-Gen	0 MW
Total System	20,500 MW

Generation Mix

Type	MWh	Percentage
Gas	50,863	14.71 %
Hydro	16,363	4.73 %
Total TNB	67,226	19.44 %
ST-Coal	188,535	54.52 %
Gas	89,026	25.75 %
Total IPP	277,561	80.27 %
Co-Gen	1,812	0.52 %
Total Co-Gen	1,812	0.52 %
Total Generation	346,599	100.23 %
PLTG	89	0.03 %
HVDC	723	0.21 %
Interconnection	812	0.23 %
Net Energy	345,787	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:	16:30:00 Hour
Total Set On Bus	17,617 MW
TNB Generation	3,796 MW
IPP Generation	12,565 MW
Spinning Reserve	1,184 MW
Maximum Demand	16,407 MW
Net Energy	345,787 MWH
Load Factor	87.81 %

Fuel Cost

Total Cost:	55,609,451.45 RM
Cost per Unit	16.84 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	238
Hydro	391
Syncon	758
Thermal	156
Total	1,543

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	48
GLGR	54
PAKA	142
PGPS	51
SRDG	5
TJGS	105
Total TNB	405
CBPS	52
KLPP	96
MPSS	50
NPRI	146
PGLA	105
PLPS	92
PTEK	18
SGRI	106
Total IPP	667
Total Gas	1,073
Total Gas Required	1,073

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	13918	13313	12751	12367	12103	11962	12197	12209	12484	14192	15074	15630	15718	15221	15616	16273	16318	16183	15103	14841	15992	15782	15222	14954

Daily MW Generation on Friday

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																											
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	183	98	97	99	92	-1	-1	-1	-1	98	177	93	117	88	88	89	-1	-1																	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	186	101	100	101	97	99	94	-1	-1	99	90	99	87	91	84	86	87	-1																
UPIA	HY01	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	6	6	6	6	6	6	6	7	7	7	7	7	7	6	6	6	5															
UPIA	HY02	7	7	7	6	7	7	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7															
Total Hydro		587	484	470	448	406	404	404	413	279	252	244	249	248	272	271	301	380	371	466	481	654	782	885	922	909	703	681	688	749	1038	1423	1309	1350	1338	1210	816	692	495	483	1124	1244	1088	1097	890	636	653	572	485			
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	38	36	38	37	37	37	37	37	38	37	38	37	37	37	36	36	36	37	36	36	36	36	35	34	35	35	32	33	33	33	33	35	34	37	37	36	36	37	38	37	36	37	37	37						
PCUF	CUFK	39	39	39	39	41	41	39	40	39	39	39	40	40	40	39	40	40	39	40	38	37	39	38	40	39	39	39	39	39	39	39	39	39	39	39	40	41	39	38	39	39	39	39	39	39	40	39				
Total Co-Gen		75	77	75	77	78	78	76	77	76	76	77	76	78	77	76	77	76	77	76	75	77	76	76	74	73	75	73	74	74	74	71	72	72	71	74	73	77	78	75	74	76	77	76	75	77	76					
Total Gen		13975	13594	13365	12999	12779	12522	12417	12271	12130	12034	12021	12158	12254	12526	12262	12149	12522	13412	14157	14595	15033	15291	15551	15723	15669	15378	15312	15351	15590	15884	16295	16296	16352	16433	16258	15718	15191	14840	14822	15788	16065	16004	15848	15633	15313	15197	15005	14866			
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		31	31	30	30	31	31	30	30	30	30	31	31	31	31	31	31	31	31	30	30	29	29	30	30	30	30	30	30	29	29	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30				
TIE-PLTG		26	47	22	3	-2	-16	20	45	-2	32	29	34	27	25	22	26	7	-20	-66	-49	-71	-84	-108	-66	-79	20	61	20	-56	-33	-7	-45	4	-4	45	87	58	29	-49	-48	43	74	36	1	61	37	21	22			
Interconnection		57	78	52	33	28	14	50	75	27	62	59	64	57	56	53	57	38	11	-35	-18	-41	-53	-79	-37	-49	50	91	50	-26	-3	22	-16	34	26	75	117	88	59	-19	-18	73	105	66	31	91	66	51	52			
System Total		13918	13516	13313	12966	12751	12508	12367	12196	12103	11972	11962	12094	12197	12470	12209	12092	12484	13401	14192	14613	15074	15344	15630	15760	15718	15328	15221	15301	15616	15887	16273	16312	16318	16407	16183	15601	15103	14781	14841	15806	15992	15899	15782	15602	15222	15131	14954	14814			
SRev ST-Coal		200	241	220	217	177	185	184	197	195	189	185	188	177	192	157	171	182	171	198	173	196	202	154	149	152	149	123	151	152	155	140	125	121	133	150	141	151	128	143	148	147	155	146	168	159	153	153	149			
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		496	761	1020	1332	1550	1798	1902	2044	2053	2130	2140	2005	1920	1656	1952	2083	1775	1041	797	604	327	233	133	113	151	155	223	183	134	166	155	159	146	152	184	231	320	464	459	130	205	100	277	263	193	242	355	410			
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	0
SRev Co-Gen		-27	-29	-27	-29	-30	-30	-28	-29	-28	-28	-29	-28	-30	-29	-29	-29	-28	-29	-28	-29	-28	-27	-29	-28	-28	-26	-25	-27	-25	-26	-26	-26	-23	-24	-24	-23	-26	-25	-29	-30	-27	-26	-28	-29	-28	-27	-29	-28			
Syncon		1353	1454	1454	1454	1454	1454	1454	1454	1454	1454	1454	1454	1454	1454	1301	1452	1452	1351	1351	1250	1099	948	862	862	1013	1099	1099	1099	574	403	252	252	252	252	827	1063	1351	1351	473	624	624	624	750	977	826	1013	1351				
Hydro		83	85	99	121	173	175	166	115	142	150	145	146	122	123	244	114	123	129	189	117	140	338	387	400	305	241	234	323	559	345	697	656	668	719	453	191	100	112	499	228	384	375	456	333	467	361	110				
S.Reserve Total		2105	2512	2766	3095	3324	3582	3687	3857	3789	3887	3900	3764	3667	3395	3657	3770	3495	2758	2447	2288	1862	1647	1544	1480	1534	1675	1741	1702	1721	1427	1016	1210	1154	1184	1282	1629	1775	2018	2036	1220	1174	1235	1391	1606	1653	1661	1853	1992			