

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	2,088 MW
Distillate	0 MW
Total TNB	4,879 MW
Total IPP	14,712 MW
Total Co-Gen	0 MW
Total System	20,155 MW

Generation Mix

Type	MWh	Percentage
Gas	48,364	13.80 %
Hydro	24,254	6.92 %
Total TNB	72,618	20.72 %
ST-Coal	189,030	53.94 %
Gas	88,053	25.13 %
Total IPP	277,083	79.06 %
Co-Gen	1,263	0.36 %
Total Co-Gen	1,263	0.36 %
Total Generation	350,964	100.15 %
PLTG	-218	-0.06 %
HVDC	728	0.21 %
Interconnection	510	0.15 %
Net Energy	350,454	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:	16:00:00 Hour
Total Set On Bus	17,981 MW
TNB Generation	3,874 MW
IPP Generation	12,904 MW
Spinning Reserve	1,153 MW
Maximum Demand	16,800 MW
Net Energy	350,454 MWH
Load Factor	86.92 %

Fuel Cost

Total Cost:	58,356,725.45 RM
Cost per Unit	17.86 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	401
Hydro	514
Syncon	258
Thermal	161
Total	1,334

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	46
GLGR	54
PGPS	25
SRDG	15
TJGS	220
Total TNB	359
CBPS	56
NPRI	157
PGLA	112
PKLG	6
PLPS	95
PTEK	29
SGB3	90
SGRI	78
YPKA	31
Total IPP	655
Total Gas	1,014
Total Gas Required	1,014

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	13757	13094	12628	12304	12094	11923	12269	12348	12680	14494	15398	16070	16036	15797	16527	16791	16800	16178	15239	15285	16056	15827	15410	15009

Daily MW Generation on Thursday

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																										
UPIA	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7																										
Total Hydro		923	731	743	701	701	707	643	658	665	662	644	656	667	880	635	538	504	539	805	827	1256	1392	1510	1440	1299	1328	1261	1281	1400	1432	1427	1427	1432	1309	1166	1120	967	896	899	1507	1451	1448	1295	1221	879	876	874	733		
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	30	30	30	30	30	27	28	30	30	29	29	31	31	29	29	30	29	29	29	29	29	26	26	25	26	24	25	24	23	24	25	24	24	24	25	25	26	18	18	19	17	19	18	19	20	20	19	19	21	
PCUF	CUFK	28	28	28	28	27	29	28	29	28	28	28	30	29	29	29	28	29	28	29	30	30	28	28	27	25	27	25	25	24	26	24	25	26	22	25	25	27	27	26	26	28	27	28	29	27	29	30	29		
Total Co-Gen		58	58	58	58	57	56	56	59	58	57	57	61	60	58	58	58	57	58	59	56	54	53	53	49	52	49	48	48	51	48	49	50	47	50	51	45	45	45	43	47	45	47	49	47	48	49	50			
Total Gen		13720	13330	13169	12851	12641	12415	12347	12091	12102	11993	11946	12034	12303	12510	12377	12195	12682	13811	14505	15054	15444	15827	16114	16309	16109	15877	15848	16072	16530	16801	16833	16739	16828	16638	16270	15753	15292	15067	15316	16127	16068	16045	15823	15796	15413	15249	14986	14561		
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	30	30	31	31	31	31	30	30	30	30	30	29	29	31	31	29	29	31	31	30	30	30	30	30	30	31	31	31	31	31	31	31	31	31	30	30	30	30	30	30	30	31	31	30	30	31	31	31	31
TIE-PLTG		-67	-21	45	-48	-18	-51	12	3	-22	0	-7	-21	4	14	0	-66	-29	-46	-18	-77	16	-47	14	-24	42	-16	20	-38	-27	18	11	-27	-3	6	61	19	23	40	1	10	-18	6	-35	35	-27	-10	-53	-18		
Interconnection		-37	9	75	-17	13	-20	43	33	8	30	23	9	34	43	29	-35	2	-16	11	-46	46	-17	44	6	73	14	51	-8	3	49	42	4	28	36	92	49	53	70	31	40	12	37	-4	65	3	21	-23	13		
System Total		13757	13321	13094	12968	12628	12435	12304	12058	12094	11963	11923	12025	12269	12467	12348	12230	12680	13827	14494	15100	15398	15844	16070	16303	16036	15863	15797	16080	16527	16752	16791	16735	16800	16602	16178	15704	15239	14997	15285	16087	16056	16008	15827	15731	15410	15228	15009	14548		
SRev ST-Coal		251	227	252	337	460	614	686	719	542	682	696	672	683	706	664	724	621	541	334	288	194	192	201	186	197	182	123	91	102	124	115	104	116	131	134	88	111	167	157	109	127	144	131	141	109	120	209	222		
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	17	60	224	238	302	299	194	95	146	160	128	213	236	25	80	80	79	80	79	78	0	0	0	0	0	0	0	0
SRev CCCT-Gas		589	584	733	926	1012	900	785	1033	1007	977	985	971	776	760	726	1116	1001	579	579	197	419	262	282	469	288	386	330	324	298	201	217	309	246	210	412	476	592	690	455	297	308	310	364	309	309	510	445	380		
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	-1	-1	-1	0	1	1	-2	-1	0	0	-4	-3	-1	-1	-1	-1	0	-1	-2	1	3	4	4	8	5	8	9	9	6	9	8	7	10	7	6	12	12	12	14	10	12	10	8	10	9	8	7		
Syncon		670	670	586	888	888	888	888	737	737	737	888	888	821	651	651	972	972	972	821	821	277	277	126	126	126	126	126	277	277	277	126	126	126	126	126	464	651	802	802	126	126	126	126	126	802	676	676	374		
Hydro		220	412	401	141	141	135	99	235	228	231	98	169	225	182	327	103	137	102	437	415	555	419	452	522	663	634	550	530	411	530	535	535	530	653	696	404	370	190	187	455	511	514	667	641	57	61	63	509		
S.Reserve Total		1729	1892	1971	2291	2501	2538	2459	2722	2513	2627	2667	2696	2502	2298	2367	2914	2730	2194	2170	1719	1446	1153	1082	1367	1506	1571	1590	1530	1291	1082	1148	1242	1153	1343	1636	1463	1816	1941	1692	1081	1161	1184	1298	1225	1287	1376	1401	1492		