

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,249 MW
Hydro	2,108 MW
Distillate	0 MW
Total TNB	5,357 MW
Total IPP	15,234 MW
Total Co-Gen	70 MW
Total System	21,225 MW

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:	15:30:00 Hour
Total Set On Bus	18,331 MW
TNB Generation	3,428 MW
IPP Generation	13,514 MW
Spinning Reserve	1,332 MW
Maximum Demand	17,014 MW
Net Energy	360,225 MWH
Load Factor	88.22 %

Gas Usage

Station	(mmscfd)
GLGR	53
PGPS	39
TJGS	210
Total TNB	302
CBPS	55
KLPP	94
MPSS	47
NPRI	142
PGLA	106
PLPS	58
PTEK	2
SGB3	57
SGRI	136
SKSP	50
Total IPP	748
Total Gas	1,050

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	42,557	11.81 %
Hydro	20,883	5.80 %
Total TNB	63,440	17.61 %
ST-Coal	193,534	53.73 %
Gas	101,613	28.21 %
Total IPP	295,147	81.93 %
Co-Gen	1,411	0.39 %
Total Co-Gen	1,411	0.39 %
Total Generation	359,998	99.94 %
PLTG	473	0.13 %
HVDC	-700	-0.19 %
Interconnection	-227	-0.06 %
Net Energy	360,225	100.00 %

Fuel Cost

Total Cost:	57,400,972.49 RM
Cost per Unit	16.93 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	527
Hydro	212
Syncon	567
Thermal	240
Total	1,546

Total Gas Required 1,050

Time Weather Temperature

Afternoon	Hot	35
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	14790	14012	13270	13137	12761	12534	12662	12755	13005	14929	15713	16288	16410	15938	16477	16972	16993	16629	15258	15064	16253	16348	15910	15455

Daily MW Generation on Wednesday

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																										
TMGR	HY04	26	31	82	82	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	81	75	81	81	81	34	32	32	32	33	81	81	81	81	81	81	81	81	80	81	80	81	81	81	77	75	81	81	81							
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	2	3	3	3	3	3	3	3	3	3	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4					
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4					
Total Hydro		648	662	951	872	561	565	542	542	543	537	510	515	546	575	555	550	544	880	931	885	931	1048	1176	1081	854	713	713	754	960	1463	1481	1452	1436	1347	1188	1007	929	920	915	935	1016	1024	932	901	816	861	858	906		
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	
PCUF	CUFG	36	37	36	37	37	35	36	37	36	35	36	36	36	37	36	37	36	35	34	35	36	35	33	32	32	33	34	34	34	33	32	32	33	33	33	32	33	34	33	32	33	34	33	33	34	33	34	34		
PCUF	CUFK	25	26	26	26	25	25	24	27	23	25	25	26	25	24	24	25	26	25	25	24	23	23	23	24	23	23	24	24	24	23	25	25	26	25	24	24	24	23	23	23	24	24	24	24	25	25	25			
Total Co-Gen		61	63	62	63	62	60	60	64	59	60	61	62	61	61	60	62	62	60	59	59	59	58	56	56	55	56	57	58	58	58	56	57	57	59	58	56	57	58	56	55	56	58	57	57	58	58	59	59		
Total Gen		14836	14260	13957	13544	13237	13237	13107	12869	12802	12764	12596	12664	12641	12973	12765	12560	12933	14035	14819	15429	15690	16087	16306	16502	16414	16073	15999	16165	16466	16881	16979	16999	17049	16882	16607	16043	15268	15022	15060	15841	16253	16311	16340	16264	15978	15698	15461	15125		
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		-29	-29	-29	-29	-30	-30	-29	-29	-30	-29	-29	-30	-30	-29	-29	-29	-30	-30	-29	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	-30	-29	-29		
TIE-PLTG		75	30	-26	3	-4	-6	-1	-31	71	38	90	64	9	9	39	13	-43	-41	-80	39	6	-20	47	8	34	54	90	7	19	33	36	14	85	-62	7	17	40	-50	25	14	30	18	20	64	98	9	35	24		
Interconnection		46	1	-55	-26	-33	-36	-30	-60	41	9	62	35	-21	-21	10	-16	-72	-70	-110	9	-23	-49	18	-21	4	24	61	-21	-11	3	7	-15	56	-91	-22	-12	10	-80	-4	-15	0	-11	-8	36	68	-21	6	-5		
System Total		14790	14259	14012	13570	13270	13273	13137	12929	12761	12755	12534	12629	12662	12994	12755	12576	13005	14105	14929	15420	15713	16136	16288	16523	16410	16049	15938	16186	16477	16878	16972	17014	16993	16973	16629	16055	15258	15102	15064	15856	16253	16322	16348	16228	15910	15719	15455	15130		
SRRev ST-Coal		262	377	334	338	341	342	342	331	347	341	367	348	343	339	353	358	338	286	291	358	232	233	201	190	224	206	191	199	183	170	235	225	237	212	219	187	178	189	284	229	232	252	284	297	288	234	196	224		
SRRev 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
SRRev CCGT-Gas		809	982	1247	1077	1036	1318	1420	1674	1721	1759	1874	1834	1371	1215	1388	1587	1310	1194	1038	728	683	401	340	395	421	680	730	598	319	420	436	412	526	433	539	883	1440	1574	1463	756	419	355	501	543	927	1016	1086	1148		
SRRev 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
SRRev Co-Gen		9	7	8	7	8	10	10	6	11	10	9	8	9	9	10	8	8	10	11	11	11	12	14	14	15	14	13	12	12	12	14	13	13	11	12	14	13	12	14	15	14	12	13	13	12	12	11	11		
Syncon		705	705	554	640	875	809	960	960	960	960	960	960	960	809	960	960	960	705	705	705	705	705	554	554	705	790	790	639	705	453	302	453	453	453	453	579	705	705	705	705	554	579	579	579	579	579	579	579		
Hydro		350	336	198	191	142	201	71	71	71	81	108	103	72	194	70	73	73	40	68	114	67	272	374	469	295	347	347	460	188	187	320	198	214	202	210	273	78	87	92	72	242	234	76	107	192	62	65	142		
S.Reserve Total		2135	2407	2341	2253	2402	2680	2803	3042	3110	3151	3318	3253	2755	2566	2781	2986	2689	2235	2113	1916	1698	1623	1483	1622	1660	2037	2071	1908	1407	1242	1352	1332	1482	1348	1472	1936	2414	2567	2558	1777	1461	1432	1453	1539	1998	1903	1937	2104		