

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,227 MW
Hydro	2,270 MW
Distillate	0 MW
Total TNB	4,497 MW
Total IPP	16,693 MW
Total Co-Gen	45 MW
Total System	21,807 MW

Generation Mix

Type	MWh	Percentage
Gas	37,044	10.18 %
Hydro	10,537	2.90 %
Total TNB	47,581	13.07 %
ST-Coal	213,170	58.58 %
Gas	101,436	27.87 %
Total IPP	314,606	86.45 %
Co-Gen	978	0.27 %
Total Co-Gen	978	0.27 %
Total Generation	363,165	99.79 %
PLTG	-54	-0.01 %
HVDC	-694	-0.19 %
Interconnection	-748	-0.21 %
Net Energy	363,913	100.00 %

Maximum Demand Record

Date: 4/12/2018	17,997 MW
Date: 4/12/2018	380,797 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:00:00 Hour
Total Set On Bus	18,638 MW
TNB Generation	3,081 MW
IPP Generation	14,227 MW
Spinning Reserve	1,290 MW
Maximum Demand	17,393 MW
Net Energy	363,913 MWH
Load Factor	87.18 %

Fuel Cost

Total Cost:	61,341,630.33 RM
Cost per Unit	17.40 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	377
Hydro	471
Syncon	616
Thermal	136
Total	1,600

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	52
SRDG	4
TJGS	209
Total TNB	265
CBPS	50
KLPP	95
NPRI	153
PGLA	108
PLPS	89
PTEK	2
SGRI	75
SKSP	32
YPKA	73
Total IPP	677
Total Gas	942

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 942

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	14527	13877	13363	13043	12708	12657	12919	12804	13259	15149	16148	16742	16776	16531	17066	17393	17250	16693	15528	15420	16349	16215	15743	15310

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																										
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												
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-28	-28	-29	-29	-29	-29	-29	-29	-30	-30												
TIE-PLTG		-24	-57	-5	1	-31	-39	-23	12	16	43	-62	-33	-19	42	16	12	-7	0	-22	5	-29	-5	-64	-5	30	20	35	-26	-49	-60	-16	61	3	16	45	53	43	-57	78	-35	59	-24	12	53	-28	-28	19	-35		
Interconnection		-54	-87	-34	-28	-60	-68	-52	-17	-13	14	-91	-63	-49	13	-12	-17	-36	-30	-52	-24	-58	-34	-93	-34	1	-9	6	-55	-77	-90	-45	32	-26	-13	17	25	15	-86	51	-63	30	-53	-17	24	-57	-57	-12	-65		
System Total		14527	14248	13877	13530	13363	13255	13043	12912	12708	12591	12657	12742	12919	13024	12804	12647	13259	14432	15149	15697	16148	16405	16742	16935	16776	16527	16531	16842	17066	17389	17393	17282	17250	17062	16693	16008	15528	15375	15420	16331	16349	16364	16215	16099	15743	15456	15310	14954		
SRev ST-Coal		91	117	178	226	125	228	188	267	273	267	248	239	242	90	91	78	92	376	374	161	134	128	122	118	119	118	118	113	133	119	89	129	118	121	126	128	140	128	132	125	128	124	87	112	156	152	142	231		
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	3	30	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		1227	1502	1258	1284	1483	1500	1683	1650	1817	1883	1878	1755	1592	1489	1728	1884	1275	485	665	512	355	330	287	171	209	219	217	241	423	399	407	195	323	337	440	620	862	1127	908	273	360	382	340	345	644	858	557	877		
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
SRev Co-Gen		-9	2	6	4	5	4	4	6	5	5	4	2	3	4	6	4	5	5	3	5	4	7	3	6	6	5	4	3	6	5	6	4	4	5	5	4	2	6	3	6	3	4	5	4	4	5	4	5	4	
Syncon		1037	1037	1037	1037	1037	1037	1037	886	886	1037	886	1037	1224	1224	1224	1224	1224	1037	1123	953	802	615	464	464	651	651	651	464	313	313	500	313	584	584	771	771	771	922	634	464	464	464	802	987	1224	1224	1224			
Hydro		133	133	130	133	133	130	133	257	262	132	259	129	130	128	131	132	133	128	196	179	298	375	563	579	664	572	556	493	444	440	446	540	702	589	591	575	557	560	434	500	516	569	585	381	291	131	131	132		
S.Reserve Total		2479	2791	2609	2684	2783	2899	3045	3066	3243	3324	3275	3162	3191	2935	3180	3322	2729	2223	2280	1985	1749	1642	1590	1338	1462	1571	1552	1502	1467	1280	1290	1374	1464	1639	1746	2099	2334	2588	2402	1535	1474	1542	1480	1645	2082	2369	2059	2468		