

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,305 MW
Distillate	0 MW
Total TNB	5,107 MW
Total IPP	15,591 MW
Total Co-Gen	0 MW
Total System	21,270 MW

Generation Mix

Type	MWh	Percentage
Gas	48,145	12.48 %
Hydro	14,419	3.74 %
Total TNB	62,564	16.22 %
ST-Coal	196,429	50.93 %
Gas	125,566	32.56 %
Total IPP	321,995	83.49 %
Co-Gen	625	0.16 %
Total Co-Gen	625	0.16 %
Total Generation	385,184	99.87 %
PLTG	578	0.15 %
HVDC	-1,075	-0.28 %
Interconnection	-497	-0.13 %
Net Energy	385,681	100.00 %

Maximum Demand Record

Date: 8/15/2018	18,338 MW
Date: 8/15/2018	388,524 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	19,477 MW
TNB Generation	3,494 MW
IPP Generation	14,536 MW
Spinning Reserve	1,421 MW
Maximum Demand	18,138 MW
Net Energy	385,681 MWH
Load Factor	88.60 %

Fuel Cost

Total Cost:	70,690,151.58 RM
Cost per Unit	19.05 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	380
Hydro	425
Syncon	648
Thermal	149
Total	1,602

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	52
PAKA	48
PGPS	38
SRDG	4
TJGS	211
Total TNB	354
CBPS	52
KLPP	97
NPRI	156
PGLA	114
PLPS	93
PTEK	9
SGB3	68
SGRI	147
SKSP	55
YPKA	77
Total IPP	866
Total Gas	1,220
Total Gas Required	1,220

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	15698	14996	14430	14163	13769	13472	13620	13533	13950	15723	16670	17390	17324	16988	17614	18035	18138	17882	16561	16195	17586	17547	17075	16758

Prepared By: -Select Name-

Checked By: -Select Name-

(Ir. Shanmugam Thoppalan)
 Printed on: Thursday, September 06, 2018 5:06:14 PM
 Pengurus Besar Kanan
 Jabatan Sistem Operasi

Daily MW Generation on Tuesday

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	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
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
Total Hydro		177	177	241	380	569	507	508	506	530	506	507	506	530	504	501	505	530	562	590	591	625	778	884	793
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
PCUF	CUFG	17	18	14	11	10	9	11	11	10	10	11	10	11	11	12	10	11	11	13	11	10	11	9	11
PCUF	CUFK	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Total Co-Gen		32	33	29	26	25	24	26	26	25	26	25	28	26	25	26	26	26	25	26	26	25	26	26	29
Total Gen		15710	15322	14949	14733	14414	14193	14137	13921	13727	13579	13493	13538	13581	13728	13566	13343	13946	15025	15691	16180	16606	16991	17330	
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
TIE-HVDC		-29	-28	-28	-28	-29	-29	-29	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-29	-29	-29	-29	-28
TIE-PLTG		42	-16	-19	25	13	37	3	12	-13	36	50	11	-10	21	63	36	25	41	-3	-14	-35	-12	-31	
Interconnection		12	-44	-47	-3	-16	8	-26	-17	-42	8	21	-18	-39	-8	33	6	-4	12	-32	-44	-64	-41	-60	
System Total		15698	15366	14996	14736	14430	14185	14163	13938	13769	13571	13472	13556	13620	13736	13533	13337	13950	15013	15723	16224	16670	17032	17390	
SRev ST-Coal		157	138	125	58	238	251	94	89	94	143	121	132	132	48	79	88	38	202	152	155	127	144	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
SRev CCGT-Gas		961	898	1119	1538	1805	1711	1739	1961	2147	2206	2279	2218	2187	2216	2322	2533	2138	1498	1107	705	590	465	273	
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
SRev Co-Gen		13	12	16	19	20	21	19	19	20	20	19	20	17	20	19	19	18	20	19	17	19	20	19	19
Syncon		1074	1074	948	948	847	847	847	847	847	847	696	847	847	847	696	847	847	973	822	822	973	973	973	
Hydro		136	136	198	159	171	108	108	107	109	236	109	108	109	236	111	114	109	235	253	124	123	139	261	
S.Reserve Total		2341	2258	2406	2722	3081	2938	2807	3023	3217	3301	3375	3325	3292	3216	3378	3601	3276	2777	2353	1976	1830	1740	1489	