

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,464 MW
Distillate	0 MW
Total TNB	5,266 MW
Total IPP	17,130 MW
Total Co-Gen	60 MW
Total System	23,028 MW

Generation Mix

Type	MWh	Percentage
Gas	37,231	10.99 %
Hydro	7,965	2.35 %
Total TNB	45,196	13.34 %
ST-Coal	210,324	62.07 %
Gas	83,236	24.56 %
Total IPP	293,560	86.64 %
Co-Gen	1,357	0.40 %
Total Co-Gen	1,357	0.40 %
Total Generation	340,113	100.37 %
PLTG	541	0.16 %
HVDC	728	0.21 %
Interconnection	1,269	0.37 %
Net Energy	338,844	100.00 %

Maximum Demand Record

Date: 6/6/2018	18,010 MW
Date: 6/7/2018	382,778 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	21:30:00 Hour
Total Set On Bus	17,396 MW
TNB Generation	2,585 MW
IPP Generation	13,181 MW
Spinning Reserve	1,568 MW
Maximum Demand	15,768 MW
Net Energy	338,844 MWH
Load Factor	89.54 %

Fuel Cost

Total Cost:	55,722,425.21 RM
Cost per Unit	17.22 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	524
Hydro	302
Syncon	979
Thermal	78
Total	1,883

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	48
TJGS	208
Total TNB	256
CBPS	52
KLPP	74
NPRI	148
PGLA	98
PLPS	66
SGRI	32
SKSP	3
YPKA	49
Total IPP	522
Total Gas	778
Total Gas Required	778

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	15236	14710	14124	13664	13461	13267	12963	12284	11947	12719	13293	13924	13980	14124	14393	14561	14609	14498	14275	14394	15271	15669	15713	15460

Daily MW Generation on Sunday

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																									
SRev ST-Coal		122	118	130	140	292	267	169	110	171	181	172	170	176	157	237	227	228	21	-84	-177	-183	68	64	77	146	75	70	-40	74	131	70	67	72	77	69	18	95	81	80	84	145	84	39	84	97	81	149	124	
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
SRev CCGT-Gas		535	580	688	936	729	971	987	1065	990	1054	1106	1234	1298	1361	1711	1855	1811	1621	1427	1586	1244	1061	859	673	737	826	715	611	566	409	377	359	371	409	615	823	926	1029	843	674	557	400	324	288	320	438	498	510	
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		0	0	0	0	0	0	7	-3	-3	-4	-4	-3	1	2	16	12	12	7	-1	-3	-4	-2	-1	1	-1	-2	-3	-1	-2	2	-2	-2	-2	-1	-1	-2	-1	0	-2	-2	-1	-5	-3	-2	-2	-2	0	-8	
Syncon		1199	1350	1350	1350	1350	1350	1350	1199	1350	1199	1350	1350	1350	1199	1350	1350	1350	1114	1198	1198	1047	1198	1198	1198	1198	1198	1198	1047	1047	896	896	896	896	896	896	1198	1198	1198	1198	711	711	711	711	711	711	795	795		
Hydro		277	134	142	142	142	147	147	272	120	273	144	142	145	147	150	274	143	147	149	181	144	140	269	107	155	154	154	142	139	267	267	392	398	389	390	410	135	145	139	157	426	487	492	487	505	531	521	502	
S.Reserve Total		2133	2182	2310	2568	2513	2735	2660	2643	2628	2703	2768	2893	2970	3017	3464	3567	3544	3146	2841	2701	2399	2465	2238	2056	2235	2251	2134	1910	1975	1856	1759	1712	1735	1770	1969	2145	2353	2453	2258	2111	1838	1677	1563	1568	1631	1759	1963	1923	