

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,527 MW
Hydro	2,362 MW
Distillate	0 MW
Total TNB	4,889 MW
Total IPP	15,752 MW
Total Co-Gen	0 MW
Total System	21,213 MW

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:	20:30:00 Hour
Total Set On Bus	16,901 MW
TNB Generation	2,194 MW
IPP Generation	12,923 MW
Spinning Reserve	1,751 MW
Maximum Demand	15,182 MW
Net Energy	323,724 MWH
Load Factor	88.85 %

Gas Usage

Station	(mmscfd)
GLGR	52
TJGS	207
Total TNB	259
CBPS	52
KLPP	51
NPRI	159
PGLA	107
PLPS	45
PTEK	2
SGRI	70
YPKA	59
Total IPP	545
Total Gas	804
Total Gas Required	804

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	36,213	11.19 %
Hydro	7,091	2.19 %
Total TNB	43,304	13.38 %
ST-Coal	205,085	63.35 %
Gas	75,432	23.30 %
Total IPP	280,517	86.65 %
Co-Gen	744	0.23 %
Total Co-Gen	744	0.23 %
Total Generation	324,565	100.26 %
PLTG	117	0.04 %
HVDC	724	0.22 %
Interconnection	841	0.26 %
Net Energy	323,724	100.00 %

Fuel Cost

Total Cost:	54,745,088.65 RM
Cost per Unit	17.24 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	366
Hydro	284
Syncon	1,062
Thermal	180
Total	1,892

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
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	14498	13914	13377	13005	12661	12335	12392	11882	11383	12058	12851	13345	13459	13538	13905	14020	14080	13861	13341	13682	15044	15098	14903	14495

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 CCGT-Gas		782	565	709	985	1056	1055	1048	926	894	901	1165	1113	996	1112	1418	1759	1899	1663	1634	1457	971	739	756	494	640	425	399	264	357	202	262	195	255	290	327	506	726	771	689	225	436	203	332	382	326	227	420	607		
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		1	5	4	7	4	6	7	5	4	5	4	5	5	4	6	7	5	5	1	8	5	6	7	5	6	5	6	5	4	6	7	5	5	6	6	2	4	2	5	4	4	3	6	4	5	6	7	5		
Syncon		1225	1225	1225	1225	1225	1225	1074	1074	1225	1223	1223	1223	1223	1223	1072	1223	1223	1223	1223	1223	1223	1223	1223	1286	1135	1286	1286	1135	1072	921	820	921	946	1012	1198	1349	1350	1350	1350	1163	947	1048	962	962	1048	1048	1048	1350		
Hydro		128	121	125	105	137	127	270	270	142	142	144	143	143	147	278	133	119	88	80	72	80	107	106	103	237	104	104	229	221	367	388	340	472	269	319	127	137	131	128	72	347	425	363	354	385	467	384	129		
S.Reserve Total		2373	2236	2436	2694	2761	2513	2538	2624	2595	2610	2877	2836	2817	2941	3277	3710	3357	2976	3086	2914	2397	2250	2176	2054	2133	1977	2090	1987	1994	1622	1645	1651	1930	1819	2081	2248	2452	2419	2368	1813	1926	1751	1760	1809	1870	1953	1975	2272		