

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,387 MW
Distillate	0 MW
Total TNB	5,189 MW
Total IPP	16,361 MW
Total Co-Gen	57 MW
Total System	22,179 MW

Generation Mix

Type	MWh	Percentage
Gas	36,494	9.90 %
Hydro	7,441	2.02 %
Total TNB	43,935	11.92 %
ST-Coal	216,236	58.66 %
Gas	106,502	28.89 %
Total IPP	322,738	87.55 %
Co-Gen	1,422	0.39 %
Total Co-Gen	1,422	0.39 %
Total Generation	368,095	99.86 %
PLTG	164	0.04 %
HVDC	-698	-0.19 %
Interconnection	-534	-0.14 %
Net Energy	368,629	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:	14:30:00 Hour
Total Set On Bus	18,800 MW
TNB Generation	2,175 MW
IPP Generation	14,962 MW
Spinning Reserve	1,610 MW
Maximum Demand	17,204 MW
Net Energy	368,629 MWH
Load Factor	89.28 %

Fuel Cost

Total Cost:	63,817,644.16 RM
Cost per Unit	17.69 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	381
Hydro	376
Syncon	818
Thermal	63
Total	1,638

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	47
PGPS	0
TJGS	212
Total TNB	259
CBPS	52
KLPP	70
NPRI	77
PGLA	108
PLPS	89
SGB3	50
SGRI	164
SKSP	54
YPKA	45
Total IPP	709
Total Gas	967

Total Gas Required 967

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	14948	14262	13896	13417	13061	12925	13208	12974	13623	15335	16268	16964	16939	16544	16920	17093	17063	16805	15759	15575	16648	16529	15996	15584

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																									
TIE-HVDC		-30	-28	-28	-30	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-28	-28	-28	-28	-29										
TIE-PLTG		13	6	21	4	22	-10	-4	15	-10	15	4	-18	19	0	9	-6	-6	6	38	9	-4	-12	60	-26	-17	-22	13	-17	24	15	10	6	-32	-36	-23	6	41	9	30	4	-5	54	16	59	21	2	13	8	
Interconnection		-16	-22	-7	-25	-7	-40	-34	-15	-40	-14	-25	-46	-9	-29	-20	-35	-34	-24	9	-20	-33	-41	31	-54	-46	-52	-17	-46	-5	-14	-20	-23	-61	-64	-51	-22	12	-20	1	-25	-34	24	-14	31	-8	-26	-15	-22	
System Total		14948	14566	14262	13893	13896	13620	13417	13079	13061	12920	12925	12924	13208	13334	12974	13000	13623	14659	15335	15825	16268	16785	16964	17139	16939	16658	16544	16731	16920	17204	17093	17066	17063	17119	16805	16192	15759	15454	15575	16436	16648	16642	16529	16328	15996	15751	15584	15286	
SRev ST-Coal		182	69	154	132	89	172	280	286	271	307	359	353	315	322	76	66	55	111	-64	59	2	76	76	79	63	73	71	70	66	81	76	93	74	88	68	49	60	62	58	66	61	68	60	73	58	52	66		
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		847	640	812	1217	1279	1546	1547	1852	1958	2028	2018	2041	1740	1680	2019	2021	1431	423	435	443	365	302	285	199	350	581	724	584	569	365	415	377	385	320	583	797	1126	1431	1286	446	395	343	226	335	551	621	513	635	
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		-6	-2	-1	3	3	2	1	-1	1	2	1	2	4	2	3	2	3	4	6	5	6	6	6	5	6	7	5	3	7	4	4	4	4	3	20	15	6	5	4	5	6	5	3	5	2	1	2	3	
Syncon		1265	1265	1139	1139	1139	1139	1139	988	1139	988	1139	988	1139	1139	1139	988	837	837	837	837	549	549	736	837	837	837	837	837	686	837	988	801	801	988	1223	1223	1223	1223	1223	885	784	921	921	921	921	1072			
Hydro		103	101	103	103	103	103	103	104	232	106	226	81	217	101	105	99	74	197	400	388	355	348	438	436	390	395	393	395	377	489	395	321	318	323	350	161	109	131	133	141	368	359	362	365	370	363	361	235	
S.Reserve Total		2391	2073	2207	2594	2613	2962	3070	3380	3450	3582	3592	3616	3302	3237	3588	3337	2713	1667	1789	1609	1622	1495	1354	1265	1561	1883	2032	1890	1860	1610	1732	1766	1601	1521	2029	2264	2513	2850	2708	1873	1720	1552	1580	1686	1917	1964	1849	2011	