

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,105 MW
Distillate	0 MW
Total TNB	4,907 MW
Total IPP	15,077 MW
Total Co-Gen	40 MW
Total System	20,596 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)
GLGR	50
PGPS	24
TJGS	210
Total TNB	285
CBPS	55
KLPP	82
MPSS	18
NPRI	74
PGLA	89
PKLG	3
PLPS	71
SGRI	60
YPKA	40
Total IPP	493
Total Gas	777

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	15,720 MW
TNB Generation	2,533 MW
IPP Generation	11,541 MW
Spinning Reserve	1,603 MW
Maximum Demand	14,081 MW
Net Energy	303,664 MWH
Load Factor	89.86 %

Generation Mix

Type	MWh	Percentage
Gas	39,101	12.88 %
Hydro	7,104	2.34 %
Total TNB	46,205	15.22 %
ST-Coal	182,113	59.97 %
Gas	74,938	24.68 %
Total IPP	257,051	84.65 %
Co-Gen	1,002	0.33 %
Total Co-Gen	1,002	0.33 %
Total Generation	304,258	100.20 %
PLTG	-133	-0.04 %
HVDC	727	0.24 %
Interconnection	594	0.20 %
Net Energy	303,664	100.00 %

Fuel Cost

Total Cost:	54,871,356.56 RM
Cost per Unit	18.47 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	540
Hydro	212
Syncon	884
Thermal	179
Total	1,815

Total Gas Required 777

Time Weather Temperature

Afternoon	Cloudy	34
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	13843	13311	12832	12407	12199	12006	12022	11745	11049	11557	12200	12597	12627	12419	12582	12544	12598	12484	12488	13052	14053	13944	13657	13321

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																									
System Total		13843	13519	13311	13083	12832	12765	12407	12337	12199	12099	12006	11955	12022	11934	11745	11234	11049	11319	11557	11826	12200	12508	12597	12763	12627	12558	12419	12618	12582	12635	12544	12524	12598	12532	12484	12326	12488	12515	13052	13901	14053	14081	13944	13863	13657	13432	13321	13169	
SRev ST-Coal		129	121	124	193	192	178	201	192	191	183	190	184	180	188	194	189	194	191	183	200	181	220	237	112	190	191	186	215	185	196	187	183	191	194	185	203	201	202	197	198	186	206	191	122	101	101	93	86	
SRev OCGT-Gas		0	0	0	0	2	4	4	4	4	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		586	954	614	649	562	594	859	967	1073	1075	1110	1163	1098	1121	1336	1780	1963	1849	1750	1481	1112	743	706	565	665	811	891	510	416	406	492	627	557	632	696	819	646	935	667	534	427	374	399	337	469	581	426	645	
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		-5	-4	-3	-3	-3	-3	0	1	0	0	-1	1	1	2	2	2	3	2	3	3	4	1	0	1	2	2	2	2	1	1	5	4	4	2	4	3	2	-2	-2	-3	-1	-3	-3	0	0	-1	-1	-1	
Syncon		741	741	741	741	912	912	912	912	912	912	912	912	1013	1013	1013	1013	1013	1013	1013	1013	1013	1013	862	862	1013	1013	1013	1013	1013	912	761	776	776	927	927	927	927	776	776	826	826	826	826	826	826	826	927	927	927
Hydro		99	101	99	98	124	161	248	244	253	204	203	201	121	121	120	140	140	139	138	142	139	138	267	267	137	137	140	140	136	178	307	266	265	137	139	140	137	268	270	145	202	200	190	301	270	190	187	185	
S.Reserve Total		1550	1913	1575	1678	1789	1846	2224	2320	2433	2374	2414	2461	2413	2445	2665	3124	3313	3194	3087	2839	2449	2115	2072	1807	2007	2154	2232	1880	1751	1693	1752	1856	1793	1892	1951	2092	1913	2179	1908	1700	1640	1603	1603	1586	1666	1798	1632	1842	