

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	1,967 MW
Distillate	0 MW
Total TNB	4,769 MW
Total IPP	15,462 MW
Total Co-Gen	40 MW
Total System	20,843 MW

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:	19:30:00 Hour
Total Set On Bus	16,879 MW
TNB Generation	2,299 MW
IPP Generation	13,152 MW
Spinning Reserve	1,386 MW
Maximum Demand	15,467 MW
Net Energy	333,955 MWH
Load Factor	89.96 %

Gas Usage

Station	(mmscfd)
GLGR	49
PGPS	6
TJGS	212
Total TNB	267
CBPS	52
KLPP	80
NPRI	148
PGLA	112
PLPS	86
SGRI	88
SKSP	48
YPKA	71
Total IPP	684
Total Gas	951
Total Gas Required	951

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	37,368	11.19 %
Hydro	9,498	2.84 %
Total TNB	46,866	14.03 %
ST-Coal	184,396	55.22 %
Gas	102,061	30.56 %
Total IPP	286,457	85.78 %
Co-Gen	1,007	0.30 %
Total Co-Gen	1,007	0.30 %
Total Generation	334,330	100.11 %
PLTG	-359	-0.11 %
HVDC	734	0.22 %
Interconnection	375	0.11 %
Net Energy	333,955	100.00 %

Fuel Cost

Total Cost:	60,210,446.08 RM
Cost per Unit	18.53 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	421
Hydro	277
Syncon	757
Thermal	167
Total	1,622

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	13849	13313	12890	12547	12326	12076	12251	12134	12165	13408	14345	15000	14828	14596	14951	14885	14874	14527	14140	14543	15422	15167	14718	14452

Daily MW Generation on Saturday

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		106	76	95	58	89	37	-53	-75	130	186	181	167	175	185	171	177	185	178	156	146	206	208	221	196	283	253	218	199	121	202	143	120	119	122	120	89	111	96	119	125	102	109	115	104	122	104	109	99		
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	0
SRev CCGT-Gas		903	1092	1046	1307	1582	1855	2063	2323	2305	2207	2238	2169	2028	1896	2046	2240	2039	1166	855	650	394	483	307	224	336	307	358	386	245	298	387	277	261	244	492	635	914	825	609	320	560	378	603	441	685	663	925	738		
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	-1	-1	0	-2	-2	-3	-2	-3	-2	-3	-2	-1	-2	-3	-3	-4	-3	-3	-2	-2	-2	-2	-2	-1	-2	-2	-2	-1	-2	-2	-1	-1	-2	-2	-1	-3	-3	-2	-2	-3	-2	-2	-3	-1	-1	-2	-2		
Syncon		610	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610	912	912	1013	1013	1013	1013	590	403	639	740	862	574	574	574	725	725	725	826	1013	1013	862	862	862	725	599	912	741	862	862	948	948	948		
Hydro		177	180	100	99	87	87	85	89	101	101	102	99	100	100	100	100	100	177	135	135	134	92	318	411	293	299	282	484	431	328	221	367	349	283	189	173	303	282	299	218	272	76	212	345	342	261	259	274		
S.Reserve Total		1797	1957	1850	2074	2366	2587	2702	2945	3143	3102	3128	3043	2912	2789	2924	3124	3232	2430	2156	1942	1745	1794	1434	1240	1558	1597	1718	1641	1370	1400	1474	1488	1453	1473	1812	1934	2187	2062	1887	1386	1530	1473	1669	1749	2010	1975	2239	2057		