

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,454 MW
Distillate	0 MW
Total TNB	2,454 MW
Total IPP	16,035 MW
Total Co-Gen	65 MW
Total System	20,925 MW

Generation Mix

Type	MWh	Percentage
Hydro	10,167	3.10 %
Gas	25,598	7.81 %
Total TNB	35,765	10.91 %
ST-Coal	190,758	58.18 %
LSS	982	0.30 %
Gas	99,662	30.40 %
Total IPP	291,402	88.88 %
Co-Gen	1,256	0.38 %
Total Co-Gen	1,256	0.38 %
Total Generation	328,423	100.17 %
PLTG	-161	-0.05 %
HVDC	727	0.22 %
Interconnection	566	0.17 %
Net Energy	327,857	100.00 %

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:	21:30:00 Hour
Total Set On Bus	16,686 MW
TNB Generation	2,128 MW
IPP Generation	13,171 MW
Spinning Reserve	1,337 MW
Maximum Demand	15,343 MW
Net Energy	327,857 MWH
Load Factor	89.04 %

Fuel Cost

Total Cost:	66,744,800.79 RM
Cost per Unit	20.97 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	265
Hydro	381
Syncon	626
Thermal	310
Total	1,582

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	54
PGPS	23
TJGS	110
Total TNB	188
CBPS	55
KLPP	101
MPSS	30
NPRI	77
PGLA	112
PLPS	95
SGRI	61
SKSP	53
YPKA	47
Total IPP	631
Total Gas	819

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 819

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	14564	14007	13585	13104	12738	12472	12531	12358	11696	12196	12844	13529	13501	13693	14057	14314	14398	14089	13710	13959	15333	15337	15091	14845

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		166	170	356	581	410	400	413	408	414	405	104	103	91	95	108	105	112	90	93	99	403	399	401	410	391	405	401	402	401	397	396	405	400	405	399	402	407	410	215	127	68	125	119	126	118	122	121	123			
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		376	437	270	374	411	520	275	364	362	542	612	646	612	644	714	1309	1443	1231	975	619	387	230	277	310	282	209	331	359	191	160	280	297	176	260	260	543	750	929	840	254	247	288	204	231	413	390	360	402			
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 LSS		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	0
SRev Co-Gen		3	11	10	12	10	8	11	10	10	9	13	10	9	11	8	12	10	13	15	10	13	15	14	15	15	12	13	14	14	16	17	16	17	16	15	14	14	14	14	11	13	16	15	16	15	13	13	14	11		
Syncon		458	710	760	760	760	760	861	987	987	987	987	987	987	987	987	987	987	987	987	987	836	836	685	685	836	735	735	710	710	609	609	710	710	710	836	836	836	836	836	609	458	458	458	458	458	609	710	836			
Hydro		345	425	248	250	252	250	290	287	291	292	292	293	291	289	291	302	292	285	287	286	420	286	406	462	292	323	333	363	352	340	286	290	245	310	250	290	288	294	302	404	450	420	505	507	537	495	415	414			
S.Reserve Total		1348	1753	1644	1977	1843	1938	1850	2056	2064	2235	2008	2039	1990	2026	2108	2715	2844	2606	2357	2001	2059	1766	1783	1882	1816	1684	1813	1848	1668	1522	1589	1718	1547	1701	1760	2085	2295	2483	2204	1407	1239	1306	1302	1337	1539	1629	1620	1786			