

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,019 MW
Distillate	0 MW
Total TNB	4,821 MW
Total IPP	16,231 MW
Total Co-Gen	45 MW
Total System	21,669 MW

Generation Mix

Type	MWh	Percentage
Gas	37,403	11.13 %
Hydro	9,715	2.89 %
Total TNB	47,118	14.01 %
ST-Coal	196,202	58.36 %
Gas	91,671	27.27 %
Total IPP	287,873	85.63 %
Co-Gen	815	0.24 %
Total Co-Gen	815	0.24 %
Total Generation	335,806	99.88 %
PLTG	302	0.09 %
HVDC	-697	-0.21 %
Interconnection	-395	-0.12 %
Net Energy	336,201	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	17,094 MW
TNB Generation	2,520 MW
IPP Generation	13,369 MW
Spinning Reserve	1,171 MW
Maximum Demand	15,936 MW
Net Energy	336,201 MWH
Load Factor	87.90 %

Fuel Cost

Total Cost:	59,073,762.30 RM
Cost per Unit	18.12 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	287
Hydro	398
Syncon	411
Thermal	264
Total	1,360

Time	Weather	Temperature
Afternoon	Hot	36
Morning	Sunny	26

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	14938	14393	13833	13389	12996	12825	12808	12446	11876	12476	13242	13817	13926	14051	14286	14449	14576	14380	14096	14153	15703	15925	15761	15534

Gas Usage

Station	(mmscfd)
GLGR	52
SRDG	2
TJGS	213
Total TNB	266
CBPS	54
KLPP	92
NPRI	152
PGLA	109
PLPS	85
PTEK	3
SGRI	58
SKSP	4
YPKA	41
Total IPP	598
Total Gas	865

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 865

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		507	699	746	745	454	529	660	775	1083	1124	1228	1236	1255	1351	1603	2133	2139	1779	1570	1180	792	467	246	342	422	240	382	239	270	357	453	258	273	285	350	547	601	988	777	347	193	189	227	157	283	190	285	324	
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		11	10	10	9	10	10	9	10	8	9	10	10	9	8	10	11	10	10	10	11	10	11	11	13	13	13	13	13	13	14	13	14	13	13	12	12	13	12	12	11	11	10	12	10	11	11	11	11	12
Syncon		660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660
Hydro		163	122	122	122	121	122	122	122	124	123	252	252	124	126	125	257	131	123	252	123	124	124	249	467	424	463	422	393	416	315	366	317	213	213	191	198	147	149	282	382	268	633	603	412	415	499	404	504	
S.Reserve Total		1511	1647	1682	1720	1543	1620	1758	1863	2175	2215	2315	2306	2345	2434	2691	3204	3033	2674	2435	2077	1895	1571	1320	1473	1585	1487	1540	1371	1415	1324	1494	1410	1309	1247	1542	1738	1816	2221	1998	1490	1280	1249	1251	1171	1305	1372	1285	1437	