

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,430 MW
Distillate	0 MW
Total TNB	5,232 MW
Total IPP	16,231 MW
Total Co-Gen	45 MW
Total System	22,080 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:	16:30:00 Hour
Total Set On Bus	17,554 MW
TNB Generation	2,525 MW
IPP Generation	13,666 MW
Spinning Reserve	1,329 MW
Maximum Demand	16,244 MW
Net Energy	342,407 MWH
Load Factor	87.83 %

Gas Usage

Station	(mmscfd)
GLGR	52
TJGS	199
Total TNB	251
CBPS	51
KLPP	88
NPRI	148
PGLA	86
PLPS	78
SGRI	92
SKSP	33
YPKA	76
Total IPP	653
Total Gas	905
Total Gas Required	905

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	35,313	10.31 %
Hydro	10,668	3.12 %
Total TNB	45,981	13.43 %
ST-Coal	197,012	57.54 %
Gas	98,180	28.67 %
Total IPP	295,192	86.21 %
Co-Gen	916	0.27 %
Total Co-Gen	916	0.27 %
Total Generation	342,089	99.91 %
PLTG	385	0.11 %
HVDC	-703	-0.21 %
Interconnection	-318	-0.09 %
Net Energy	342,407	100.00 %

Fuel Cost

Total Cost:	60,330,752.84 RM
Cost per Unit	18.20 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	447
Hydro	279
Syncon	720
Thermal	154
Total	1,600

Time Weather Temperature

Afternoon	Hot	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	13228	12608	12298	11961	11733	11494	11592	11784	12452	14087	14997	15496	15483	15219	15774	16093	16175	16058	15110	14963	16153	15925	15489	15188

Daily MW Generation on Thursday

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																										
Interconnection		-23	-70	-43	-40	-65	5	-32	-64	-42	9	-62	-63	-20	-10	1	20	-20	-5	1	2	2	-72	39	24	-19	-14	-31	6	-51	10	-2	-22	-19	-15	4	25	41	5	36	8	15	18	15	-19	1	4	-67			
System Total		13228	12950	12608	12510	12298	12011	11961	11820	11733	11559	11494	11628	11592	11835	11784	11928	12452	13502	14087	14636	14997	15279	15496	15616	15483	15321	15219	15563	15774	16148	16093	16163	16175	16244	16058	15600	15110	14824	14963	15908	16153	16041	15925	15708	15489	15414	15188	14993		
SRev ST-Coal		75	165	295	150	190	193	182	194	192	196	194	261	269	178	188	196	333	309	257	174	146	152	104	156	106	110	116	113	135	143	151	147	153	147	156	141	137	156	157	151	167	161	155	157	162	183	143	142		
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		1324	1525	1355	1391	1350	1450	1565	1668	1784	1889	1899	1799	1805	1605	1640	1617	1242	543	781	457	526	492	440	395	586	627	683	363	399	468	451	359	361	328	364	406	842	1007	918	354	333	426	426	446	460	679	969	833		
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		4	3	4	4	4	4	4	3	4	3	3	3	3	3	2	1	3	4	4	5	5	4	6	6	6	7	8	9	10	9	9	9	9	11	13	13	12	11	11	11	11	12	9	9	10	10	10	9		
Syncon		822	973	973	973	822	973	822	973	973	973	973	822	973	973	973	973	822	822	1074	1074	1074	887	802	651	837	923	923	802	464	464	615	615	464	651	887	988	1074	1074	700	464	464	651	736	923	822	822	822			
Hydro		235	119	115	104	233	106	233	108	110	109	111	237	109	110	110	111	191	311	230	136	137	134	226	193	409	321	269	264	278	373	376	263	263	379	327	277	194	165	180	248	292	309	344	387	253	269	242	234		
S.Reserve Total		2460	2785	2742	2622	2599	2726	2806	2946	3063	3170	3180	3122	3159	2869	2913	2898	2742	1989	2094	1846	1888	1856	1663	1552	1758	1902	1999	1672	1624	1457	1451	1393	1401	1329	1511	1724	2173	2413	2340	1464	1267	1372	1585	1735	1808	1963	2186	2040		