

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,330 MW
Distillate	0 MW
Total TNB	5,132 MW
Total IPP	16,231 MW
Total Co-Gen	45 MW
Total System	21,980 MW

Generation Mix

Type	MWh	Percentage
Gas	36,577	10.17 %
Hydro	12,264	3.41 %
Total TNB	48,841	13.58 %
ST-Coal	198,654	55.23 %
Gas	110,312	30.67 %
Total IPP	308,966	85.90 %
Co-Gen	870	0.24 %
Total Co-Gen	870	0.24 %
Total Generation	358,677	99.72 %
PLTG	-296	-0.08 %
HVDC	-699	-0.19 %
Interconnection	-995	-0.28 %
Net Energy	359,672	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:	16:00:00 Hour
Total Set On Bus	18,312 MW
TNB Generation	2,566 MW
IPP Generation	14,246 MW
Spinning Reserve	1,466 MW
Maximum Demand	16,948 MW
Net Energy	359,672 MWH
Load Factor	88.43 %

Fuel Cost

Total Cost:	63,774,550.36 RM
Cost per Unit	18.41 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	455
Hydro	326
Syncon	549
Thermal	166
Total	1,496

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	50
TJGS	209
Total TNB	259
CBPS	52
KLPP	93
NPRI	149
PGLA	107
PLPS	90
SGRI	152
SKSP	48
YPKA	49
Total IPP	740
Total Gas	998
Total Gas Required	998

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	14655	14045	13520	13066	12909	12586	12680	12740	13012	14736	15587	16273	16299	15885	16168	16823	16948	16557	15526	15338	16379	16287	15813	15396

Daily MW Generation on Friday

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																									
TIE-PLTG		8	-37	-20	7	8	0	12	-40	-12	-23	-33	7	-18	0	14	-15	32	41	15	26	25	-37	-21	-10	-34	-29	6	-46	-20	-87	-45	-64	-72	-15	-5	-5	-2	-4	-20	-1	-8	-18	-24	-6	19	-16	-44	18	
Interconnection		-22	-66	-49	-22	-21	-29	-17	-69	-41	-51	-62	-22	-47	-30	-16	-45	2	12	-15	-4	-4	-66	-50	-39	-63	-59	-22	-74	-48	-117	-74	-93	-102	-44	-34	-34	-30	-34	-49	-30	-37	-47	-53	-35	-11	-44	-72	-11	
System Total		14655	14371	14045	13894	13520	13246	13066	12938	12909	12625	12586	12546	12680	12769	12740	12623	13012	13982	14736	15222	15587	16048	16273	16413	16299	16175	15885	16053	16168	16559	16823	16918	16948	16827	16557	15962	15526	15220	15338	16211	16379	16488	16287	16131	15813	15560	15396	15104	
SRev ST-Coal		159	138	141	269	302	297	311	293	307	285	294	304	295	325	390	405	409	298	281	174	156	154	146	168	166	158	156	164	175	159	147	171	214	159	141	154	158	156	160	156	158	165	136	144	152	142	142	132	
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
SRev CCGT-Gas		861	963	1076	1069	1261	1492	1620	1824	1811	2127	2166	2157	2078	1942	1766	1894	1469	1065	567	499	499	393	459	424	391	444	616	552	421	363	289	270	336	442	547	878	908	1221	1082	313	375	344	627	627	775	702	624	880	
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		9	8	7	8	8	8	8	8	8	8	8	7	7	6	5	6	6	7	7	7	8	9	10	10	10	15	13	14	13	12	12	12	11	9	9	9	9	9	9	8	8	7	6	5	8	9	9	10	
Syncon		822	973	973	973	973	822	973	973	973	973	973	973	822	822	973	973	973	847	847	847	574	676	676	489	676	676	988	1074	923	700	513	362	428	428	615	464	988	988	1074	786	514	126	126	277	651	989	989	973	
Hydro		242	114	113	115	116	246	119	116	116	116	116	116	248	247	116	116	115	115	115	113	254	155	124	273	259	349	259	205	336	237	303	423	477	392	378	444	204	203	149	319	382	530	560	564	325	155	157	107	
S.Reserve Total		2093	2196	2310	2434	2660	2865	3031	3214	3215	3509	3557	3557	3450	3342	3250	3394	2972	2332	1817	1640	1491	1387	1415	1364	1502	1642	2032	2009	1868	1471	1264	1238	1466	1430	1690	1949	2267	2577	2474	1582	1437	1172	1455	1617	1911	1997	1921	2102	