

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,254 MW
Distillate	0 MW
Total TNB	2,254 MW
Total IPP	16,694 MW
Total Co-Gen	0 MW
Total System	21,671 MW

Generation Mix

Type	MWh	Percentage
Hydro	7,273	2.02 %
Gas	30,621	8.48 %
Total TNB	37,894	10.50 %
ST-Coal	222,357	61.61 %
LSS	1,257	0.35 %
Gas	96,790	26.82 %
Total IPP	320,404	88.77 %
Co-Gen	1,595	0.44 %
Total Co-Gen	1,595	0.44 %
Total Generation	359,893	99.71 %
PLTG	-337	-0.09 %
HVDC	-698	-0.19 %
Interconnection	-1,035	-0.29 %
Net Energy	360,928	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:	15:30:00 Hour
Total Set On Bus	18,367 MW
TNB Generation	1,969 MW
IPP Generation	14,748 MW
Spinning Reserve	1,572 MW
Maximum Demand	16,828 MW
Net Energy	360,928 MWH
Load Factor	89.37 %

Fuel Cost

Total Cost:	72,945,021.99 RM
Cost per Unit	20.69 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	387
Hydro	496
Syncon	681
Thermal	180
Total	1,744

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
GLGR	51
PGPS	1
TJGS	169
Total TNB	222
CBPS	52
KLPP	93
MPSS	1
NPRI	77
PGLA	107
PLPS	90
PTEK	3
SGB3	3
SGRI	66
SKSP	51
YPKA	76
Total IPP	618
Total Gas	839
Total Gas Required	839

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	14951	14125	13610	13189	12807	12658	12941	12980	13270	14916	15764	16257	16144	15798	16124	16685	16809	16627	15507	15349	16385	16262	15719	15527

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																										
Total Gen		14904	14476	14073	13851	13555	13321	13172	12879	12785	12738	12654	12682	12900	13063	12913	12897	13230	14143	14898	15251	15667	16020	16232	16361	16126	15939	15774	15880	16045	16396	16661	16781	16783	16742	16597	16055	15483	15305	15323	16127	16346	16356	16223	16030	15724	15548	15475	15161		
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TIE-HVDC		-28	-30	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-19	-62	-22	-77	-25	-54	12	-30	7	-42	25	-2	-12	-48	-38	22	-12	-51	10	-26	-68	-13	4	-23	11	31	5	13	-50	-31	5	-18	3	-4	-1	-16	5	-31	4	-25	-9	31	-10	-29	34	-8	-22	-20		
Interconnection		-47	-91	-52	-107	-55	-83	-17	-59	-22	-71	-4	-32	-41	-77	-67	-7	-40	-80	-18	-55	-97	-42	-25	-52	-18	2	-24	-16	-79	-60	-24	-47	-26	-32	-30	-45	-24	-60	-26	-54	-39	1	-39	-58	5	-38	-52	-49		
System Total		14951	14567	14125	13958	13610	13404	13189	12938	12807	12809	12658	12714	12941	13140	12980	12904	13270	14223	14916	15306	15764	16062	16257	16413	16144	15937	15798	15896	16124	16456	16685	16828	16809	16774	16627	16100	15507	15365	15349	16181	16385	16355	16262	16088	15719	15586	15527	15210		
SRev ST-Coal		159	333	280	266	278	360	366	39	42	-24	-127	78	64	75	70	105	94	24	133	159	146	146	201	220	201	229	223	225	199	219	112	207	205	182	190	193	203	202	198	210	166	182	191	194	183	310	184	196		
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		901	749	680	695	750	1098	1210	1515	1604	1770	1953	1915	1714	1542	1761	1721	1420	1041	898	724	490	261	365	255	447	654	763	680	528	204	326	201	374	243	334	498	911	1029	1002	280	269	291	278	291	481	291	374	505		
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	2	10	4	19	11	5	27	-4	-17	-28	-32	-7	-15	-1	6	-22	-8	-16	-17	-6	-6	-5	1	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		-2	-9	-8	-11	-9	-9	-9	-9	-9	-10	-10	-9	-9	-11	-12	-8	-10	-11	-10	-7	-7	-7	-6	-5	-9	-9	-8	-9	-11	-8	-9	-9	-8	-8	-8	-9	-10	-9	-14	-14	-21	-14	-11	-10	-32	-34	-36	-34		
Syncon		989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989
Hydro		286	279	282	285	285	289	288	289	291	289	293	287	284	284	412	288	285	285	305	288	273	400	540	559	414	413	286	281	284	411	592	589	667	523	523	403	282	318	320	558	622	668	662	500	613	544	542	544		
S.Reserve Total		2333	2341	2223	2224	2293	2727	2844	2823	2917	3014	3098	3260	3042	2879	3069	3095	2780	2338	2319	2172	1902	1643	1814	1712	1874	2097	2221	2159	1974	1663	1633	1572	1553	1564	1673	1917	2369	2524	2496	1685	1450	1440	1433	1626	1932	1798	1751	1898		