

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,144 MW
Distillate	0 MW
Total TNB	4,946 MW
Total IPP	16,009 MW
Total Co-Gen	40 MW
Total System	21,567 MW

Generation Mix

Type	MWh	Percentage
Gas	38,049	11.00 %
Hydro	16,257	4.70 %
Total TNB	54,306	15.70 %
ST-Coal	186,589	53.95 %
Gas	104,615	30.25 %
Total IPP	291,204	84.20 %
Co-Gen	877	0.25 %
Total Co-Gen	877	0.25 %
Total Generation	346,387	100.16 %
PLTG	-108	-0.03 %
HVDC	666	0.19 %
Interconnection	558	0.16 %
Net Energy	345,829	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:	16:30:00 Hour
Total Set On Bus	18,038 MW
TNB Generation	2,760 MW
IPP Generation	13,509 MW
Spinning Reserve	1,728 MW
Maximum Demand	16,318 MW
Net Energy	345,829 MWH
Load Factor	88.30 %

Fuel Cost

Total Cost:	61,727,141.61 RM
Cost per Unit	18.70 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,015
Hydro	234
Syncon	504
Thermal	113
Total	1,866

Time Weather Temperature

Afternoon	Rainy	33
Morning	Rainy	26

Gas Usage

Station	(mmscfd)
GLGR	47
PGPS	22
TJGS	208
Total TNB	278
CBPS	55
KLPP	90
MPSS	21
NPRI	140
PGLA	90
PLPS	88
SGRI	110
SKSP	29
YPKA	61
Total IPP	685
Total Gas	963

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 963

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	13488	12899	12420	12012	11622	11786	12169	12402	12949	14729	15320	15865	15728	15385	15852	16282	16314	16129	15135	15222	16046	15810	15121	14633

Daily MW Generation on Tuesday

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 Co-Gen		37	36	35	37	35	36	35	34	32	34	34	34	35	34	35	34	35	34	36	34	34	36	35	36	35	36	38	41	40	41	40	39	38	38	37	39	39	39	38	39	38	39	38	38					
Total Gen		13537	13175	12903	12519	12446	12239	12078	11836	11687	11767	11816	11857	12154	12525	12413	12415	12910	14054	14772	15112	15369	15760	15890	16095	15769	15560	15455	15761	15918	16200	16295	16256	16293	16310	16132	15534	15174	14886	15248	16043	16061	16008	15829	15604	15115	14953	14649	14216	
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	
TIE-HVDC		30	31	31	-98	29	30	30	31	31	31	31	30	30	30	30	31	31	31	30	30	30	30	30	30	30	30	31	31	30	30	30	30	30	30	30	29	29	31	31	31	31	31	31	31	31	31	30		
TIE-PLTG		19	27	-26	-3	-3	21	36	-33	34	25	-1	1	-45	-4	-19	7	-71	-11	12	15	18	7	-5	34	11	-3	40	19	36	-62	-18	-1	-51	-38	-27	-16	9	0	-4	-42	-14	28	-12	-4	-37	-53	-15	1	
Interconnection		49	58	4	-101	26	51	66	-2	65	56	30	31	-15	27	11	38	-39	20	43	45	49	38	25	64	41	27	70	50	66	-31	13	29	-21	-8	3	14	39	30	26	-13	15	60	19	28	-6	-22	16	31	
System Total		13488	13117	12899	12620	12420	12188	12012	11838	11622	11711	11786	11826	12169	12498	12402	12377	12949	14034	14729	15067	15320	15722	15865	16031	15728	15533	15385	15711	15852	16231	16282	16227	16314	16318	16129	15520	15135	14856	15222	16056	16046	15948	15810	15576	15121	14975	14633	14185	
SRev ST-Coal		163	165	197	323	184	104	141	130	78	99	105	108	97	192	186	190	160	199	195	94	125	117	131	122	126	127	122	126	117	122	135	110	109	95	139	114	146	124	94	93	29	103	107	88	95	95	100	141	
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		605	433	326	602	544	639	691	843	1041	1269	1374	1409	1154	1081	1200	1319	1044	518	865	847	668	549	765	737	1028	1294	1412	1430	1413	1130	1034	1083	1018	1018	1126	1610	1739	2039	1717	932	979	1089	1240	1296	1407	1382	1390	1740	
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		3	4	5	3	5	4	5	6	8	6	6	6	5	6	5	6	4	6	6	4	5	4	5	4	4	3	1	2	4	4	5	4	2	-1	0	-1	0	1	2	2	3	1	1	1	2	1	2	2	
Syncon		700	786	887	585	585	887	887	887	1013	1013	1013	1013	1013	1013	1013	1013	741	741	741	489	489	338	489	489	489	489	489	489	489	489	489	338	338	489	489	489	489	489	489	489	489	489	489	489	489	489	489		
Hydro		313	170	114	348	395	379	128	128	129	121	101	128	98	120	129	132	89	82	280	364	354	486	266	312	192	185	229	245	137	133	271	267	127	127	138	226	349	359	197	188	186	193	187	205	226	219	192	193	
S.Reserve Total		1784	1558	1529	1861	1713	1711	1852	1994	2143	2508	2599	2664	2367	2412	2533	2660	2310	1818	2087	2050	1893	1645	1656	1513	1839	2098	2253	2292	2160	1878	1783	1802	1745	1728	1892	2438	2572	2861	2499	1704	1686	1875	2024	2079	2219	2186	2173	2565	