

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,442 MW
Hydro	2,348 MW
Distillate	0 MW
Total TNB	4,790 MW
Total IPP	15,797 MW
Total Co-Gen	53 MW
Total System	21,212 MW

Generation Mix

Type	MWh	Percentage
Gas	33,942	10.11 %
Hydro	13,156	3.92 %
Total TNB	47,098	14.03 %
ST-Coal	196,857	58.64 %
Gas	91,945	27.39 %
Total IPP	288,802	86.02 %
Co-Gen	1,147	0.34 %
Total Co-Gen	1,147	0.34 %
Total Generation	337,047	100.39 %
PLTG	594	0.18 %
HVDC	726	0.22 %
Interconnection	1,320	0.39 %
Net Energy	335,727	100.00 %

Maximum Demand Record

Date: 4/12/2018	17,997 MW
Date: 4/12/2018	380,797 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	21:00:00 Hour
Total Set On Bus	17,240 MW
TNB Generation	3,106 MW
IPP Generation	12,806 MW
Spinning Reserve	1,279 MW
Maximum Demand	15,869 MW
Net Energy	335,727 MWH
Load Factor	88.15 %

Fuel Cost

Total Cost:	56,855,000.72 RM
Cost per Unit	17.55 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	285
Hydro	449
Syncon	722
Thermal	115
Total	1,571

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	53
PGPS	36
SRDG	3
TJGS	158
Total TNB	249
CBPS	53
KLPP	71
MPSS	0
NPRI	157
PGLA	106
PLPS	90
PTEK	3
SGRI	87
SKSP	2
YPKA	29
Total IPP	598
Total Gas	847
Total Gas Required	847

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	14912	14259	13771	13334	13008	12719	12625	12179	11654	12521	13281	13841	14026	14005	14293	14589	14601	14560	14042	14380	15691	15869	15780	15575

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																									
PCUF	CUFG	21	20	21	21	21	21	21	22	22	22	22	23	22	22	22	24	22	21	21	21	21	22	22	22	22	22	22	22	22	22	21	22	23	22	22	22	22	22	23										
PCUF	CUFK	34	27	27	24	27	27	28	28	25	26	27	26	27	27	28	28	27	26	27	26	28	27	27	26	28	25	28	28	27	28	26	27	27	28	27	27	0	0	29										
Total Co-Gen		55	47	48	45	48	48	49	49	46	48	49	48	50	49	49	51	50	49	48	47	48	48	49	47	49	47	49	47	50	50	49	50	48	48	49	51	49	49	49	22	22	52							
Total Gen		14949	14647	14253	14016	13754	13506	13362	13142	13066	12874	12759	12662	12594	12686	12290	11839	11757	12206	12564	12806	13309	13555	13877	13993	14076	13882	14031	14232	14370	14653	14670	14717	14658	14788	14645	14345	14130	14108	14460	15564	15783	15907	15961	15896	15841	15680	15636	15297	
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		
TIE-HVDC		30	31	30	29	31	31	31	31	30	30	31	30	30	31	31	31	31	30	30	30	30	30	30	31	31	30	30	29	29	29	31	29	30	29	31	31	31	29	30	29	31	31	31	31	31	29	31		
TIE-PLTG		6	-27	-37	65	-47	-20	-2	-26	28	68	10	32	-62	15	80	15	72	84	13	-9	-2	15	6	28	19	-44	-4	4	47	47	51	68	27	83	55	57	57	-6	49	27	62	15	61	75	30	26	31	45	
Interconnection		37	4	-6	94	-17	11	28	5	58	98	40	62	-31	47	111	45	103	114	43	21	28	45	36	58	50	-13	26	34	77	76	81	97	57	112	85	87	88	25	80	57	92	45	92	106	61	57	61	77	
System Total		14912	14643	14259	13922	13771	13495	13334	13137	13008	12776	12719	12600	12625	12639	12179	11794	11654	12092	12521	12785	13281	13510	13841	13935	14026	13895	14005	14198	14293	14577	14589	14620	14601	14676	14560	14258	14042	14083	14380	15507	15691	15862	15869	15790	15780	15623	15575	15220	
SRev ST-Coal		97	186	81	202	211	94	83	121	102	117	210	115	84	99	87	79	112	126	124	126	83	50	120	120	126	114	126	116	127	114	43	123	125	144	132	117	112	152	160	177	94	135	110	97	151	153	149	148	
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	6	0	1	25	2	0	0	0		
SRev CCGT-Gas		819	466	857	508	714	979	1131	1200	1194	1361	1249	1265	1196	1171	1492	1930	1979	1518	1167	913	529	378	280	330	280	345	278	366	384	354	421	233	292	218	248	334	497	463	250	175	200	158	211	225	176	167	178	280	
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		-2	6	5	8	5	5	4	4	7	5	4	5	3	4	4	2	2	5	4	2	4	2	3	4	5	6	5	5	4	6	4	6	4	6	3	3	4	3	5	5	4	2	4	4	4	3	3	1	
Syncon		1013	1250	1250	1250	1250	1250	1250	1250	1351	1351	1351	1099	1200	1351	1351	1351	1250	1250	948	1253	1099	1099	948	1049	1049	777	777	626	626	711	711	711	862	1013	1250	1351	1099	313	349	349	464	464	464	439	439	626			
Hydro		329	57	66	61	111	111	115	108	106	118	152	147	147	316	282	154	154	149	146	149	373	108	230	237	348	387	387	480	358	482	547	601	601	524	501	354	173	129	267	576	530	514	489	534	471	450	487	608	
S.Reserve Total		2256	1965	2259	2029	2291	2439	2583	2683	2659	2851	2966	2883	2781	2689	3065	3516	3598	3149	2691	2440	1937	1791	1732	1790	1707	1901	1845	1744	1650	1582	1641	1674	1733	1603	1746	1821	2036	2098	1781	1246	1183	1158	1279	1349	1268	1212	1256	1663	