

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,388 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,190 MW</b>
<b>Total IPP</b>	<b>17,104 MW</b>
Total Co-Gen	0 MW
<b>Total System</b>	<b>22,866 MW</b>

### 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:	20:30:00 Hour
Total Set On Bus	17,044 MW
TNB Generation	2,586 MW
IPP Generation	12,731 MW
Spinning Reserve	1,685 MW
Maximum Demand	15,271 MW
Net Energy	321,931 MWH
Load Factor	87.84 %

### Gas Usage

Station	(mmscfd)
GLGR	49
PGPS	1
TJGS	194
<b>Total TNB</b>	<b>244</b>
CBPS	49
KLPP	59
NPRI	147
PGLA	101
PLPS	66
PTEK	2
SGRI	35
SKSP	5
YPKA	31
<b>Total IPP</b>	<b>496</b>
<b>Total Gas</b>	<b>740</b>

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</b>

### Generation Mix

Type	MWh	Percentage
Gas	33,761	10.49 %
Hydro	8,532	2.65 %
<b>Total TNB</b>	<b>42,293</b>	<b>13.14 %</b>
ST-Coal	203,027	63.07 %
Gas	76,834	23.87 %
<b>Total IPP</b>	<b>279,861</b>	<b>86.93 %</b>
Co-Gen	1,119	0.35 %
<b>Total Co-Gen</b>	<b>1,119</b>	<b>0.35 %</b>
<b>Total Generation</b>	<b>323,273</b>	<b>100.42 %</b>
PLTG	611	0.19 %
HVDC	731	0.23 %
<b>Interconnection</b>	<b>1,342</b>	<b>0.42 %</b>
<b>Net Energy</b>	<b>321,931</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	54,929,980.92 RM
Cost per Unit	17.45 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	1,212
Hydro	276
Syncon	1,136
Thermal	183
<b>Total</b>	<b>2,807</b>

**Total Gas Required 740**

### Time Weather Temperature

Afternoon	Hot	38
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	15132	14520	13876	13599	13263	12938	12780	12089	11211	11462	11986	12416	12620	12750	13164	13351	13492	13547	13333	13877	15225	15253	14943	14955





### Daily MW Generation on Wednesday

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		15152	14816	14564	14274	13892	13725	13581	13361	13293	13146	12999	12872	12810	12579	12146	11635	11278	11386	11530	11697	11994	12248	12445	12533	12676	12647	12776	13095	13222	13304	13384	13514	13589	13675	13676	13542	13448	13517	13879	14975	15319	15359	15374	15290	15058	15040	15015	14842			
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	0
TIE-HVDC		31	31	31	31	30	30	31	31	31	31	31	31	31	30	30	31	31	30	30	31	31	30	30	30	30	30	30	31	31	30	30	31	31	30	30	31	31	31	31	31	31	29	29	30	30	30	31	31			
TIE-PLTG		-10	-35	13	42	-14	-36	-49	13	-1	0	31	0	-1	56	27	23	36	26	38	56	-23	16	-1	29	25	32	-4	15	28	34	3	65	67	37	99	20	84	49	-28	18	63	57	92	85	84	28	28	5			
Interconnection		20	-4	44	72	16	-6	-18	44	30	31	61	30	30	86	57	53	67	57	68	86	8	47	29	59	56	62	26	45	58	64	33	95	97	68	129	50	115	79	2	48	94	88	121	115	115	58	60	36			
System Total		15132	14820	14520	14202	13876	13731	13599	13317	13263	13115	12938	12842	12780	12493	12089	11582	11211	11329	11462	11611	11986	12201	12416	12474	12620	12585	12750	13050	13164	13240	13351	13419	13492	13607	13547	13492	13333	13438	13877	14927	15225	15271	15253	15175	14943	14982	14955	14806			
SRev ST-Coal		205	226	203	266	253	258	252	246	258	267	278	264	255	257	342	246	454	344	287	122	-29	180	263	236	219	224	210	221	228	218	221	229	209	223	210	222	232	220	218	87	130	144	143	123	125	127	118	123			
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	0
SRev CCGT-Gas		738	820	683	623	936	971	803	998	1053	1192	1325	1469	1537	1757	2100	2192	2193	2189	2108	2151	2039	1937	1916	1926	1810	1827	1746	1384	1249	1198	1111	1004	949	844	850	955	1030	985	846	452	443	259	293	394	519	381	345	422			
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		-17	-17	-17	-17	-20	-23	-23	-23	-21	-21	-21	-25	-23	-23	-22	-23	-23	-24	-22	-20	-21	-17	-22	-19	-18	-17	-17	-14	-17	-14	-16	-16	-15	-15	-13	-15	-12	-11	-14	-11	-12	-13	-13	-15	-15	-14	-13	-13			
Syncon		1049	1200	1200	1200	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1200	1351	1351	1351	1200	1351	1351	1200	1200	1351	1351	1351	1351	1351	1351	1351	1351	626	626	626	626	626	626	626	711				
Hydro		382	248	248	238	107	107	75	106	105	104	107	108	109	118	122	125	123	125	117	119	85	118	218	117	106	112	229	107	111	238	244	112	111	116	120	119	125	112	70	535	599	666	683	687	687	716	685	591			
S.Reserve Total		2357	2477	2317	2310	2627	2664	2458	2678	2746	2893	3040	3167	3229	3460	3893	3891	4098	3985	3841	3723	3425	3569	3575	3611	3468	3497	3368	3049	2922	2840	2760	2680	2605	2519	2518	2632	2726	2657	2471	1689	1811	1685	1735	1819	1942	1836	1761	1834			