

### 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>16,413 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>22,175 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	37,102	10.07 %
Hydro	10,122	2.75 %
<b>Total TNB</b>	<b>47,224</b>	<b>12.82 %</b>
ST-Coal	214,186	58.16 %
Gas	105,414	28.62 %
<b>Total IPP</b>	<b>319,600</b>	<b>86.78 %</b>
Co-Gen	782	0.21 %
<b>Total Co-Gen</b>	<b>782</b>	<b>0.21 %</b>
<b>Total Generation</b>	<b>367,606</b>	<b>99.81 %</b>
PLTG	9	0.00 %
HVDC	-703	-0.19 %
<b>Interconnection</b>	<b>-694</b>	<b>-0.19 %</b>
<b>Net Energy</b>	<b>368,300</b>	<b>100.00 %</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:	14:30:00 Hour
Total Set On Bus	18,902 MW
TNB Generation	2,860 MW
IPP Generation	14,717 MW
Spinning Reserve	1,290 MW
Maximum Demand	17,672 MW
Net Energy	368,300 MWH
Load Factor	86.84 %

### Fuel Cost

Total Cost:	62,892,623.12 RM
Cost per Unit	17.59 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	367
Hydro	530
Syncon	725
Thermal	52
<b>Total</b>	<b>1,674</b>

### Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	27

### Gas Usage

Station	(mmscfd)
GLGR	51
PGPS	0
SRDG	4
TJGS	210
<b>Total TNB</b>	<b>264</b>
CBPS	50
KLPP	69
NPRI	150
PGLA	109
PLPS	87
PTEK	7
SGRI	151
SKSP	51
YPKA	28
<b>Total IPP</b>	<b>701</b>
<b>Total Gas</b>	<b>965</b>

**Total Gas Required 965**

### Alternate Fuel Usage

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

### 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	14715	13949	13384	13036	12755	12679	13039	12961	13485	15276	16226	16997	17042	16674	17331	17467	17294	16987	15927	15689	16707	16555	15944	15462





### Daily MW Generation on Thursday

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		46	34	35	37	37	34	37	37	37	39	37	38	36	38	37	36	35	34	37	34	34	33	33	33	32	35	33	35	35	30	33	32	34	34	33	36	34	34	33	31	35	29	30	1	-1	-1					
Total Gen		14687	14243	13949	13653	13361	13158	12988	12823	12678	12705	12610	12844	12998	13248	12958	12888	13390	14489	15258	15759	16254	16636	16953	17076	17064	16841	16661	17047	17269	17612	17458	17365	17274	17285	16931	16410	15913	15543	15638	16551	16704	16646	16562	16374	15941	15701	15437	15067			
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		
TIE-HVDC		-30	-30	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-30	-30	-30	-29	-29	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-30	-30	-30	-30	-29	-29					
TIE-PLTG		1	17	28	-20	6	-24	-20	3	-47	-15	-39	-2	-12	33	27	6	-65	-30	12	-4	57	-20	-15	-68	51	38	16	2	-33	-32	21	36	10	-20	-26	-38	15	2	-23	16	25	22	37	4	27	7	4	45			
Interconnection		-28	-13	0	-49	-23	-53	-48	-26	-77	-44	-69	-32	-41	5	-3	-24	-95	-59	-18	-34	28	-49	-44	-97	22	8	-13	-28	-62	-60	-9	6	-20	-50	-56	-67	-14	-27	-51	-13	-3	-6	7	-26	-3	-23	-25	16			
System Total		14715	14256	13949	13702	13384	13211	13036	12849	12755	12749	12679	12876	13039	13243	12961	12912	13485	14548	15276	15793	16226	16685	16997	17173	17042	16833	16674	17075	17331	17672	17467	17359	17294	17335	16987	16477	15927	15570	15689	16564	16707	16652	16555	16400	15944	15724	15462	15051			
SRev ST-Coal		168	160	261	324	353	191	240	299	303	297	284	301	300	254	170	56	17	28	38	65	-54	53	70	66	63	103	80	61	65	59	51	61	51	52	60	132	133	53	58	72	72	66	71	72	23	68	82	165			
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		1035	1216	1410	1614	1867	1941	2032	2099	2259	2216	2332	2076	1920	1777	2204	2283	1751	720	293	528	358	346	280	165	254	433	231	326	179	197	335	394	392	244	480	579	723	933	838	227	355	421	360	402	619	834	658	672			
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	0
SRev Co-Gen		-10	2	1	-1	-1	2	-1	-1	-1	-3	-1	-2	0	-2	-1	0	1	2	-1	2	2	3	3	3	3	4	1	3	1	1	6	3	4	2	2	3	0	2	2	3	5	1	7	6	35	37	37				
Syncon		1351	1351	1351	1351	1351	1351	1351	1200	1351	1200	1351	1351	1351	1351	1351	1351	1049	812	812	812	711	711	626	626	626	626	626	439	626	626	626	711	862	1200	1200	1351	1351	727	626	626	727	727	1029	1029	1029	1265					
Hydro		118	119	119	127	122	122	121	120	246	118	264	116	116	116	117	121	117	112	371	554	571	602	510	506	517	511	590	531	481	584	527	599	633	596	454	237	239	115	108	491	559	555	598	512	352	349	340	158			
S.Reserve Total		2662	2848	3167	3463	3717	3607	3743	3868	4007	3981	4077	3843	3685	3498	3840	3810	3236	2212	1753	1958	1689	1815	1574	1451	1463	1676	1531	1545	1354	1290	1553	1696	1820	1726	1980	2295	2298	2452	2357	1519	1615	1673	1757	1720	2029	2315	2146	2297			