

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,248 MW
Hydro	2,417 MW
Distillate	0 MW
<b>Total TNB</b>	<b>4,665 MW</b>
<b>Total IPP</b>	<b>15,141 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>19,806 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:	16:00:00 Hour
Total Set On Bus	19,067 MW
TNB Generation	3,222 MW
IPP Generation	14,254 MW
Spinning Reserve	1,537 MW
Maximum Demand	17,586 MW
Net Energy	368,730 MWH
Load Factor	87.36 %

### Gas Usage

Station	(mmscfd)
GLGR	12
PAKA	24
PGPS	40
SRDG	14
TJGS	211
<b>Total TNB</b>	<b>301</b>
CBPS	53
KLPP	108
MPSS	47
NPRI	162
PGLA	109
PKLG	4
PTEK	36
SGB3	59
SGRI	92
SKSP	54
YPKA	81
PKLG	6
<b>Total IPP</b>	<b>811</b>
<b>Total Gas</b>	<b>1,112</b>
<b>Total Gas Required</b>	<b>1,112</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
Gas	41,321	11.21 %
Hydro	17,183	4.66 %
<b>Total TNB</b>	<b>58,504</b>	<b>15.87 %</b>
ST-Coal	189,042	51.27 %
ST-Gas	605	0.16 %
Gas	117,849	31.96 %
<b>Total IPP</b>	<b>307,496</b>	<b>83.39 %</b>
Co-Gen	1,364	0.37 %
<b>Total Co-Gen</b>	<b>1,364</b>	<b>0.37 %</b>
<b>Total Generation</b>	<b>367,364</b>	<b>99.63 %</b>
PLTG	-684	-0.19 %
HVDC	-682	-0.18 %
<b>Interconnection</b>	<b>-1,366</b>	<b>-0.37 %</b>
<b>Net Energy</b>	<b>368,730</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	62,912,238.86 RM
Cost per Unit	17.97 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	297
Hydro	378
Syncon	751
Thermal	132
<b>Total</b>	<b>1,558</b>

### Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	26

### 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	14718	14006	13448	13104	12842	12609	12846	12883	13197	14989	16110	16767	16704	16579	17117	17485	17586	17257	16080	15816	16955	16947	16368	15934





### 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																										
TMGR	HY03	30	30	30	30	30	30	30	30	30	30	30	30	60	60	82	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	79	58	32	57	80	80	79	60	60	57	30	30	26					
TMGR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	84	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	80	79	30	58	81	81	81	61	61	57	31	30	27			
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	-1	-1	-1	183	179	177	-1	-1	-1	-1	-1	-1				
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	-1	-1	-1	-1	90	89	-1	-1	-1	0	0	0					
Total Hydro		201	206	213	232	210	208	187	193	212	200	229	215	213	209	209	181	215	204	177	472	745	946	1088	1054	1004	1274	1062	1063	1233	1302	1302	1254	1060	1051	937	1467	1043	721	850	1426	1486	1479	973	927	869	845	725	499		
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PCUF	CUFG	33	32	32	32	31	32	32	32	32	31	32	33	32	33	33	32	32	30	30	32	30	31	30	29	30	29	29	29	29	28	28	29	29	28	29	29	28	29	30	30	29	31	31	31	31	31	32	29	30	31
PCUF	CUFK	28	27	27	27	26	26	27	27	28	26	26	27	27	27	27	27	27	26	27	27	25	26	25	27	24	25	24	25	24	26	24	23	25	25	25	26	26	27	27	26	28	26	26	28	26	28	27	26		
Total Co-Gen		61	59	59	59	57	58	59	59	60	58	57	59	59	60	60	59	58	57	57	57	56	56	57	55	53	55	53	54	53	55	52	51	54	54	53	55	56	57	56	57	59	57	57	59	58	57	57	57		
Total Gen		14682	14228	13948	13698	13422	13308	13044	13008	12794	12616	12618	12657	12835	13049	12846	12634	13121	14133	14930	15589	16028	16406	16622	16767	16622	16467	16491	16780	17042	17325	17455	17464	17530	17536	17226	16551	16046	15639	15790	16576	16890	16907	16837	16600	16336	16043	15843	15485		
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		-28	-28	-28	-28	-29	-29	-29	-29	-29	0	0	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-28	-58	-30	-30	-29	-29	-29	-29	-30	-30	-29	-29	-30	-29	-29	-29		
TIE-PLTG		-7	-21	-30	-51	3	-44	-31	-6	-19	31	9	-36	18	16	-8	-22	-47	-43	-29	-82	-53	-32	-116	-36	-53	-80	-59	0	-45	-54	-1	-14	-27	35	-3	3	-4	-66	3	-68	-36	-1	-80	-29	-3	-53	-62	-38		
Interconnection		-36	-49	-58	-79	-26	-73	-60	-36	-48	3	9	-36	-11	-13	-37	-51	-76	-72	-59	-111	-82	-60	-145	-65	-82	-109	-88	-29	-75	-83	-30	-43	-56	6	-31	-55	-34	-96	-26	-97	-65	-30	-110	-59	-32	-82	-91	-67		
System Total		14718	14277	14006	13777	13448	13381	13104	13044	12842	12613	12609	12693	12846	13062	12883	12685	13197	14205	14989	15700	16110	16466	16767	16832	16704	16576	16579	16809	17117	17408	17485	17507	17586	17530	17257	16606	16080	15735	15816	16673	16955	16937	16947	16659	16368	16125	15934	15552		
S.Rev ST-Coal		67	11	102	102	-21	65	81	73	263	267	258	264	273	264	121	105	111	145	200	149	138	143	130	144	125	88	128	126	126	114	124	135	88	136	132	154	117	109	115	128	126	124	121	123	122	99	124	114		
S.Rev 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	2	7	77	96	98	19	31	61	34	146	151	49	5	9	10	71	8	9	5	7	3	107	0	0	0		
S.Rev CCGT-Gas		703	923	989	1118	1343	1420	1648	1698	1742	1902	1937	1880	1691	1482	1424	1624	1359	821	306	455	476	340	279	357	302	478	173	236	207	219	209	277	169	212	183	220	261	370	288	148	163	163	180	217	309	532	474	576		
S.Rev 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	4	-4	17	0	-20	0	17	17	-3	-47	-5	
S.Rev Co-Gen		-5	-3	-3	-3	-1	-2	-3	-3	-4	-2	-1	-3	-3	-4	-4	-3	-2	-1	-1	-1	0	0	-1	3	1	3	2	3	1	4	5	2	2	3	1	0	-1	0	-1	-3	-1	-1	-3	-2	-1	-1	-1			
Syncon		1200	1200	1200	1200	1331	1331	1331	1331	1331	1331	1200	1331	1331	1331	1331	1331	1331	1200	1351	1079	1079	1079	777	777	928	374	525	802	651	590	590	590	590	590	777	0	626	928	928	439	252	252	777	777	777	439	590	590		
Hydro		113	108	101	212	103	105	126	120	101	113	215	98	100	104	104	141	107	249	145	122	193	142	402	436	335	469	530	402	383	375	375	423	542	501	428	453	623	543	414	552	529	536	517	413	396	422	391	517		
S.Reserve Total		2103	2264	2414	2654	2780	2944	3208	3244	3458	3636	3634	3595	3417	3203	2976	3197	2905	2413	2001	1804	1885	1704	1588	1715	1700	1487	1455	1666	1389	1330	1363	1464	1537	1592	1572	833	1636	1963	1812	1291	1076	1059	1601	1547	1726	1488	1531	1791		