

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,502 MW
Hydro	2,019 MW
Distillate	0 MW
<b>Total TNB</b>	<b>4,521 MW</b>
<b>Total IPP</b>	<b>15,012 MW</b>
<b>Total Co-Gen</b>	<b>40 MW</b>
<b>Total System</b>	<b>20,145 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	47,853	13.20 %
Hydro	10,512	2.90 %
<b>Total TNB</b>	<b>58,365</b>	<b>16.10 %</b>
ST-Coal	190,481	52.54 %
Gas	111,210	30.68 %
<b>Total IPP</b>	<b>301,691</b>	<b>83.22 %</b>
Co-Gen	1,064	0.29 %
<b>Total Co-Gen</b>	<b>1,064</b>	<b>0.29 %</b>
<b>Total Generation</b>	<b>361,120</b>	<b>99.61 %</b>
PLTG	-502	-0.14 %
HVDC	-909	-0.25 %
<b>Interconnection</b>	<b>-1,411</b>	<b>-0.39 %</b>
<b>Net Energy</b>	<b>362,531</b>	<b>100.00 %</b>

### 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:	16:00:00 Hour
Total Set On Bus	18,157 MW
TNB Generation	3,169 MW
IPP Generation	13,729 MW
Spinning Reserve	1,216 MW
Maximum Demand	17,046 MW
Net Energy	362,531 MWH
Load Factor	88.62 %

### Fuel Cost

Total Cost:	66,286,326.92 RM
Cost per Unit	18.91 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	485
Hydro	264
Syncon	629
Thermal	113
<b>Total</b>	<b>1,491</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	26

### Gas Usage

Station	(mmscfd)
CBPS	2
GLGR	52
PAKA	47
PGPS	34
TJGS	216
<b>Total TNB</b>	<b>351</b>
CBPS	55
NPRI	152
PGLA	111
PLPS	92
PTEK	7
SGB3	54
SGRI	174
SKSP	52
YPKA	76
<b>Total IPP</b>	<b>774</b>
<b>Total Gas</b>	<b>1,125</b>
<b>Total Gas Required</b>	<b>1,125</b>

### 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	14623	14001	13446	13034	12790	12601	12959	12996	13377	14933	15799	16504	16475	16179	16698	16945	17046	16664	15596	15417	16451	16267	15809	15282





### 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																										
TMGR	HY04	33	33	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32																										
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																										
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5																										
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2																										
Total Hydro		321	317	230	229	210	211	216	212	231	212	220	232	249	237	189	209	207	222	387	384	473	676	803	868	861	472	437	673	798	933	887	870	963	964	838	499	336	283	280	560	468	434	350	318	240	198	189	182		
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	0	0
PCUF	CUFG	29	29	29	29	29	29	28	29	31	28	29	31	29	31	30	31	30	29	28	28	27	26	25	26	27	28	29	28	28	29	30	31	31	30	30	29	30	30	30	31	33	32	32	32						
PCUF	CUFK	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15		
Total Co-Gen		44	44	44	44	44	44	43	44	46	43	44	46	44	45	45	44	46	45	45	44	43	43	42	41	40	41	42	43	44	43	43	44	45	46	46	45	45	44	45	45	45	46	48	47	47	47	47			
Total Gen		14560	14147	13978	13681	13377	13190	13007	12743	12747	12629	12533	12699	12888	13133	12997	12829	13310	14349	14843	15507	15738	16163	16458	16611	16409	16143	16109	16433	16593	16919	16844	16792	16941	16945	16591	16089	15611	15403	15405	16408	16360	16325	16258	16147	15746	15473	15209	14748		
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	-28	-28	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		-33	-20	6	-6	-40	2	2	0	-15	14	-39	-56	-42	-32	30	17	-38	-63	-60	-40	-32	-52	-17	-40	-37	18	-40	-43	-75	-41	-1	-40	-6	13	25	11	45	22	17	-31	-62	-12	20	-47	-33	-59	-44	-46		
Interconnection		-63	-50	-23	-35	-69	-27	-27	-29	-43	-14	-68	-85	-71	-62	1	-12	-67	-91	-90	-69	-61	-81	-46	-70	-66	-11	-70	-73	-105	-70	-101	-139	-105	-86	-73	-87	15	-8	-12	-61	-91	-41	-9	-76	-63	-89	-73	-75		
System Total		14623	14197	14001	13716	13446	13217	13034	12772	12790	12643	12601	12784	12959	13195	12996	12841	13377	14440	14933	15576	15799	16244	16504	16681	16475	16154	16179	16506	16698	16989	16945	16931	17046	17031	16664	16176	15596	15411	15417	16469	16451	16366	16267	16223	15809	15562	15282	14823		
SRev ST-Coal		118	124	103	151	199	226	210	194	219	230	225	223	238	241	220	208	208	210	110	120	130	142	116	97	82	52	124	132	125	122	135	125	126	117	134	144	159	151	154	115	32	91	145	119	94	181	382	413		
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		755	758	796	1044	1264	1247	1418	1693	1734	1900	2012	1862	1668	1365	1441	1639	1374	640	952	565	413	528	385	316	525	431	440	345	427	329	363	407	333	281	450	508	808	905	1042	387	462	519	421	575	730	928	953	1246		
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		-4	-4	-4	-4	-4	-4	-3	-4	-6	-3	-4	-6	-4	-5	-5	-4	-6	-5	-5	-5	-5	-4	-3	-3	-2	-1	0	-1	-2	-3	-4	-3	-3	-4	-5	-6	-6	-5	-5	-4	-5	-5	-5	-6	-8	-7	-7	-7		
Syncon		635	635	736	736	736	736	762	611	762	762	762	762	887	887	736	887	887	786	786	700	615	489	489	489	615	615	489	489	187	489	489	428	428	615	801	988	988	988	615	801	716	988	988	988	887	887	887			
Hydro		137	141	127	128	147	146	141	144	276	144	136	124	107	119	143	274	125	110	146	149	196	78	211	296	303	332	367	257	266	633	377	244	312	311	250	319	219	172	175	318	274	224	181	213	191	134	143	150		
S.Reserve Total		1641	1654	1758	2055	2342	2351	2502	2789	2834	3033	3131	2965	2771	2607	2686	2853	2588	1842	1988	1615	1434	1359	1198	1195	1397	1429	1546	1222	1305	1288	1363	1265	1216	1212	1566	1766	2168	2211	2354	1431	1564	1714	1730	1889	1995	2123	2358	2689		