

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,444 MW
Hydro	2,180 MW
Distillate	0 MW
<b>Total TNB</b>	<b>4,624 MW</b>
<b>Total IPP</b>	<b>14,949 MW</b>
<b>Total Co-Gen</b>	<b>45 MW</b>
<b>Total System</b>	<b>20,190 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	36,095	10.21 %
Hydro	14,873	4.21 %
<b>Total TNB</b>	<b>50,968</b>	<b>14.42 %</b>
ST-Coal	191,585	54.22 %
Gas	110,916	31.39 %
<b>Total IPP</b>	<b>302,501</b>	<b>85.60 %</b>
Co-Gen	1,097	0.31 %
<b>Total Co-Gen</b>	<b>1,097</b>	<b>0.31 %</b>
<b>Total Generation</b>	<b>354,566</b>	<b>100.34 %</b>
PLTG	464	0.13 %
HVDC	723	0.20 %
<b>Interconnection</b>	<b>1,187</b>	<b>0.34 %</b>
<b>Net Energy</b>	<b>353,379</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:	20:00:00 Hour
Total Set On Bus	17,631 MW
TNB Generation	2,769 MW
IPP Generation	13,484 MW
Spinning Reserve	1,330 MW
Maximum Demand	16,160 MW
Net Energy	353,379 MWH
Load Factor	91.11 %

### Fuel Cost

Total Cost:	62,829,007.80 RM
Cost per Unit	18.50 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	327
Hydro	424
Syncon	755
Thermal	134
<b>Total</b>	<b>1,640</b>

### Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
GLGR	53
PGPS	40
TJGS	170
<b>Total TNB</b>	<b>263</b>
CBPS	55
KLPP	101
NPRI	156
PGLA	59
PLPS	70
PTEK	6
SGB3	59
SGRI	100
SKSP	54
YPKA	86
<b>Total IPP</b>	<b>744</b>
<b>Total Gas</b>	<b>1,007</b>

**Total Gas Required 1,007**

### 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	15337	14897	14208	13633	13347	13138	13100	12929	12670	13949	14710	15279	15457	15141	15531	15556	15582	15461	14828	14819	16160	16093	15790	15567

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, September 06, 2018 5:03:38 PM

(Ir. Shanmugam Thoppalan)  
Pengurus Besar Kanan  
Jabatan Sistem Operasi





### Daily MW Generation on Saturday

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 Hydro		316	524	546	545	524	523	524	545	521	522	524	522	545	525	523	526	527	544	542	521	580	688	676	737	736	397	401	555	689	818	813	814	812	773	623	294	260	257	245	770	1166	1169	1085	1048	947	822	579	339						
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	30	31	30	30	32	30	30	30	29	31	31	32	33	32	33	31	31	31	31	30	29	30	29	28	27	27	29	29	29	31	31	32	31	32	32	31	32	32	33	31	32	32	32	33	31	32	32	32	33	33	33
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	15	15	15	15		
Total Co-Gen		44	44	44	45	46	45	45	47	45	45	45	44	46	46	47	48	47	48	46	46	46	45	44	45	44	43	42	42	44	44	44	46	46	47	46	47	47	47	46	47	47	48	46	47	47	47	48	48	48	48	48	48		
Total Gen		15405	15270	14918	14366	14229	13929	13687	13454	13401	13253	13148	13092	13145	13131	12973	12687	12665	13383	14001	14458	14820	15155	15336	15611	15519	15221	15171	15450	15568	15728	15611	15706	15626	15707	15530	15213	14898	14727	14884	15737	16301	16186	16205	16041	15843	15609	15578	15315						
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	0	0	
TIE-HVDC		30	30	29	29	30	30	31	31	31	31	31	30	29	29	30	30	31	31	31	30	30	31	31	31	30	30	31	31	30	30	31	31	31	31	31	31	29	29	29	29	29	29	31	29	32	29	29	29	29	29				
TIE-PLTG		38	-9	-8	-42	-9	-2	23	-22	24	23	-21	-1	15	-15	14	23	-36	9	21	37	80	17	27	12	32	63	-1	-18	6	-22	25	32	13	42	38	81	41	23	36	61	112	41	83	41	24	-7	-18	-1						
Interconnection		68	20	21	-13	21	28	54	9	54	54	10	29	45	15	44	52	-5	39	52	68	110	48	57	43	62	93	30	13	37	9	55	62	44	73	69	112	70	52	65	91	141	73	112	73	53	22	11	29						
System Total		15337	15250	14897	14379	14208	13901	13633	13445	13347	13199	13138	13063	13100	13116	12929	12635	12670	13344	13949	14390	14710	15107	15279	15568	15457	15128	15141	15437	15531	15719	15556	15644	15582	15634	15461	15101	14828	14675	14819	15646	16160	16113	16093	15968	15790	15587	15567	15286						
SRev ST-Coal		139	132	136	151	241	269	273	277	271	263	262	255	256	133	205	250	261	260	247	185	82	141	126	102	119	110	120	124	127	130	105	94	118	128	136	127	102	109	119	135	142	131	104	105	104	116	71							
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	4	5	4	5	41	0	0	0	0						
SRev CCGT-Gas		644	816	775	654	681	796	900	945	970	1126	1241	1292	1273	1268	1338	1556	1530	1117	693	378	566	441	372	240	354	295	357	222	236	202	311	244	333	190	206	187	477	669	494	261	186	296	204	322	241	352	128	196						
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		1	1	1	0	-1	0	0	-2	0	0	0	1	-1	-1	-2	-3	-2	-3	-1	-1	-1	0	1	0	1	2	3	3	1	1	1	-1	-1	-2	-1	-2	-2	-1	-2	-2	-3	-1	-2	-2	-2	-3	-3	-3	-3					
Syncon		862	998	847	847	998	998	998	847	998	998	998	847	998	998	998	847	847	847	847	847	998	998	697	847	847	847	847	998	847	676	676	676	676	676	862	1013	1099	1099	1109	687	494	494	676	676	676	610	862							
Hydro		361	117	246	247	117	118	117	247	120	119	117	119	247	116	118	115	114	248	250	120	161	253	466	405	406	545	541	236	453	495	500	499	501	540	504	382	330	333	335	282	513	510	412	449	400	325	450	488						
S.Reserve Total		2007	2064	2005	1899	2036	2206	2313	2314	2365	2514	2619	2672	2621	2637	2585	2871	2890	2470	2049	1742	1909	1774	1677	1618	1710	1808	1858	1579	1661	1501	1618	1523	1603	1522	1699	1716	2031	2202	2045	1351	1330	1445	1426	1590	1420	1479	1301	1614						