

### 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>15,359 MW</b>
<b>Total Co-Gen</b>	<b>45 MW</b>
<b>Total System</b>	<b>20,600 MW</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:	21:00:00 Hour
Total Set On Bus	17,352 MW
TNB Generation	2,091 MW
IPP Generation	13,715 MW
Spinning Reserve	1,500 MW
Maximum Demand	15,794 MW
Net Energy	332,948 MWH
Load Factor	87.84 %

### Gas Usage

Station	(mmscfd)
GLGR	52
PGPS	24
TJGS	162
<b>Total TNB</b>	<b>238</b>
CBPS	53
KLPP	90
NPRI	151
PGLA	64
PLPS	68
SGB3	43
SGRI	60
SKSP	53
YPKA	69
<b>Total IPP</b>	<b>651</b>
<b>Total Gas</b>	<b>889</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
Gas	32,828	9.86 %
Hydro	9,978	3.00 %
<b>Total TNB</b>	<b>42,806</b>	<b>12.86 %</b>
ST-Coal	191,913	57.64 %
Gas	98,399	29.55 %
<b>Total IPP</b>	<b>290,312</b>	<b>87.19 %</b>
Co-Gen	1,128	0.34 %
<b>Total Co-Gen</b>	<b>1,128</b>	<b>0.34 %</b>
<b>Total Generation</b>	<b>334,246</b>	<b>100.39 %</b>
PLTG	577	0.17 %
HVDC	721	0.22 %
<b>Interconnection</b>	<b>1,298</b>	<b>0.39 %</b>
<b>Net Energy</b>	<b>332,948</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	59,227,900.55 RM
Cost per Unit	18.26 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	280
Hydro	313
Syncon	928
Thermal	224
<b>Total</b>	<b>1,745</b>

**Total Gas Required 889**

### Time Weather Temperature

Afternoon	Hot	35
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	15042	14225	13693	13387	12900	12757	12771	12383	11677	12386	13186	13657	13765	13816	14187	14435	14363	14358	13705	13928	15444	15794	15577	15362

Prepared By: -Select Name-

Checked By: -Select Name-

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





## Daily MW Generation on Sunday

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																										
TIE-HVDC		30	29	30	30	30	30	31	31	30	30	30	30	30	31	32	30	29	30	30	29	29	31	31	31	31	30	30	31	31	29	29	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30				
TIE-PLTG		-17	-5	-2	19	11	6	4	15	30	21	18	23	-37	45	56	28	50	19	48	26	31	-27	16	-4	23	-12	10	22	52	9	17	52	44	82	26	61	69	17	-4	9	39	67	28	59	78	10	-9	32		
Interconnection		13	24	28	50	41	36	34	45	60	51	48	53	-8	75	87	60	80	49	78	56	60	2	47	26	53	19	40	52	83	41	46	81	74	113	54	91	100	48	25	39	69	97	58	88	107	40	21	62		
System Total		15042	14550	14225	13996	13693	13485	13387	13102	12900	12835	12757	12666	12771	12597	12383	11827	11677	12131	12386	12804	13186	13527	13657	13797	13765	13817	13816	13997	14187	14400	14435	14435	14363	14364	14358	14031	13705	13673	13928	14825	15444	15668	15794	15677	15577	15530	15362	15068		
SRev ST-Coal		112	99	-165	162	285	270	263	246	245	268	254	246	213	272	228	528	532	172	90	90	88	88	83	304	295	307	289	287	293	299	309	300	296	305	295	285	279	302	299	221	125	105	111	91	91	105	103	109		
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		454	669	754	603	578	584	691	976	1165	1217	1312	1405	1395	1478	1721	1963	2076	1934	1776	1259	874	770	481	396	290	256	287	211	140	177	206	209	278	230	248	487	762	833	1027	481	399	307	145	352	355	293	405	374		
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	-2	-3	-2	-2	-3	-3	-2	-3	-2	-3	-4	-4	-3	-4	-4	-5	-5	-4	-3	-2	-2	-2	-2	0	-1	-1	-1	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-3	-1	0	0	-1	-2	-1	
Syncon		947	947	846	847	998	998	998	998	998	998	998	998	998	998	998	998	998	847	847	998	998	847	1099	1099	948	1099	948	948	1019	1019	1019	1019	1019	1019	948	1120	1120	1120	948	761	761	761	761	761	761	761	761	862	928	
Hydro		489	483	446	253	123	123	123	124	123	124	123	124	124	124	126	124	123	256	251	120	121	245	113	284	154	155	273	278	415	372	293	267	280	278	283	417	293	284	277	389	370	377	484	410	488	551	343	341		
S.Reserve Total		1998	2196	1878	1863	1982	1972	2072	2342	2528	2604	2685	2770	2726	2869	3069	3609	3724	3204	2960	2464	2078	1948	1673	1829	1836	1817	1796	1874	1795	1796	1827	1794	1872	1831	1844	2136	2453	2538	2722	2038	1654	1547	1500	1614	1695	1709	1711	1751		