

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,454 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,454 MW</b>
<b>Total IPP</b>	<b>16,607 MW</b>
<b>Total Co-Gen</b>	<b>65 MW</b>
<b>Total System</b>	<b>22,200 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	13,041	3.76 %
Gas	35,882	10.34 %
<b>Total TNB</b>	<b>48,923</b>	<b>14.10 %</b>
ST-Coal	190,845	54.99 %
LSS	472	0.14 %
Gas	106,110	30.57 %
<b>Total IPP</b>	<b>297,427</b>	<b>85.69 %</b>
Co-Gen	1,431	0.41 %
<b>Total Co-Gen</b>	<b>1,431</b>	<b>0.41 %</b>
<b>Total Generation</b>	<b>347,781</b>	<b>100.20 %</b>
PLTG	-33	-0.01 %
HVDC	729	0.21 %
<b>Interconnection</b>	<b>696</b>	<b>0.20 %</b>
<b>Net Energy</b>	<b>347,085</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	18,024 MW
TNB Generation	2,864 MW
IPP Generation	13,848 MW
Spinning Reserve	1,254 MW
Maximum Demand	16,741 MW
Net Energy	347,085 MWH
Load Factor	86.39 %

### Fuel Cost

Total Cost:	70,010,900.35 RM
Cost per Unit	20.91 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	374
Hydro	465
Syncon	596
Thermal	204
<b>Total</b>	<b>1,639</b>

### Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	25

### Gas Usage

Station	(mmscfd)
GLGR	52
TJGS	203
<b>Total TNB</b>	<b>255</b>
CBPS	52
KLPP	85
MPSS	38
NPRI	144
PGLA	109
PLPS	85
PTEK	4
SGRI	54
SKSP	32
YPKA	77
<b>Total IPP</b>	<b>679</b>
<b>Total Gas</b>	<b>934</b>

### Alternate Fuel Usage

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

**Total Gas Required 934**

### 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	13275	12625	12133	11778	11541	11493	11823	12052	12560	14477	15336	15918	15910	15612	16250	16657	16741	16463	15231	15303	16239	16120	15676	15095

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, January 03, 2019 12:11:53 PM

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





### 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																										
TIE-HVDC		31	30	31	31	31	31	31	31	31	30	31	31	30	30	30	30	30	30	30	30	30	30	30	31	31	29	29	30	30	31	31	32	32	30	30	31	31	30												
TIE-PLTG		7	-10	-11	-66	2	0	-8	36	20	-10	-28	22	-27	38	-26	-1	-48	-41	-48	8	-78	-4	-36	4	-14	39	-4	-37	10	-31	22	11	-1	40	24	39	58	14	-2	-13	-2	-4	33	-14	21	10	31	10		
Interconnection		38	20	21	-35	33	31	23	67	51	20	2	53	3	68	4	29	-18	-10	-18	38	-48	26	-5	34	15	69	26	-6	41	0	53	41	29	70	54	69	87	43	27	18	29	27	64	16	51	41	62	39		
System Total		13275	12888	12625	12394	12133	11993	11778	11622	11541	11453	11493	11503	11823	12077	12052	12051	12560	13567	14477	14786	15336	15676	15918	15980	15910	15592	15612	15957	16250	16588	16657	16698	16741	16684	16463	15827	15231	15071	15303	16244	16239	16293	16120	16083	15676	15677	15095	14899		
SRev ST-Coal		164	386	394	442	452	448	466	458	443	445	449	444	458	445	454	440	453	104	411	249	206	215	211	225	209	105	100	98	93	201	221	124	198	189	144	109	110	121	189	171	203	192	196	201	205	206	210	193		
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	14	6	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		939	973	1069	1299	1308	1439	1643	1748	1861	1959	1939	1873	1704	1354	1416	1499	1266	659	791	604	315	380	338	637	571	659	709	393	350	274	281	340	286	320	406	422	745	869	665	283	250	211	249	177	316	306	798	786		
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 LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		5	7	5	4	8	6	3	3	4	4	2	7	4	3	4	3	2	2	5	5	6	8	9	8	8	10	8	10	10	9	9	6	7	8	8	5	4	6	2	5	3	3	4	4	4	4	2	2	2	
Syncon		1113	1113	1113	1113	1113	1113	1113	962	1113	1113	1113	1113	1113	926	926	1029	926	739	613	739	588	739	437	311	185	185	185	185	523	836	987	1113	1113	649	649	649	649	649	649	836	752	878	0	0	0	0				
Hydro		284	268	271	267	268	269	270	280	435	301	298	298	299	394	268	270	270	270	356	371	350	361	445	450	422	512	644	506	539	448	572	597	572	623	479	337	334	268	271	399	396	394	487	519	461	330	271	660		
S.Reserve Total		2505	2747	2852	3125	3149	3275	3495	3602	3705	3822	3801	3735	3578	3158	3255	3325	3104	2148	2489	2155	1906	1890	1742	1933	1949	2025	2049	1746	1429	1243	1268	1266	1254	1328	1564	1709	2180	2377	2240	1507	1501	1449	1585	1550	1822	1623	2159	1641		