

### 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>16,576 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>22,104 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	8,342	2.70 %
Gas	35,324	11.42 %
<b>Total TNB</b>	<b>43,666</b>	<b>14.12 %</b>
ST-Coal	186,063	60.17 %
LSS	552	0.18 %
Gas	78,015	25.23 %
<b>Total IPP</b>	<b>264,630</b>	<b>85.58 %</b>
Co-Gen	1,428	0.46 %
<b>Total Co-Gen</b>	<b>1,428</b>	<b>0.46 %</b>
<b>Total Generation</b>	<b>309,724</b>	<b>100.16 %</b>
PLTG	-236	-0.08 %
HVDC	727	0.24 %
<b>Interconnection</b>	<b>491</b>	<b>0.16 %</b>
<b>Net Energy</b>	<b>309,233</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:	21:00:00 Hour
Total Set On Bus	16,013 MW
TNB Generation	2,357 MW
IPP Generation	12,209 MW
Spinning Reserve	1,383 MW
Maximum Demand	14,621 MW
Net Energy	309,233 MWH
Load Factor	88.12 %

### Fuel Cost

Total Cost:	56,246,844.52 RM
Cost per Unit	19.54 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	446
Hydro	399
Syncon	878
Thermal	122
<b>Total</b>	<b>1,845</b>

### Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
GLGR	50
TJGS	202
<b>Total TNB</b>	<b>252</b>
CBPS	53
KLPP	48
NPRI	147
PGLA	77
PLPS	36
SGRI	35
SKSP	6
YPKA	58
<b>Total IPP</b>	<b>460</b>
<b>Total Gas</b>	<b>713</b>
<b>Total Gas Required</b>	<b>713</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	13367	12935	12642	12330	11935	11692	11712	11454	10965	11579	12188	12730	12831	12851	13163	13420	13522	13547	13160	13433	14531	14621	14422	14022

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, January 03, 2019 12:11:22 PM

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



### 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
Total 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
BSIA	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
CEND	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
CEND	HY03	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
HTRG	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
HTRG	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
KNRG	HY01	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY02	60	66	66	61	62	64	64	64	62	61	63	64	64	62	59	60	64	61	62	64	64	64	62	63
KNYR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
LPIA	HY01	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
LPIA	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
MNOR	HY01	5	5	5	5	6	6	6	6	2	2	2	2	2	2	4	4	5	5	5	5	5	5	5	5
PGAU	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
PGAU	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
PGAU	HY04	21	21	21	20	20	20	20	20	21	20	20	22	22	22	20	20	20	20	20	21	20	20	21	21
SIHY	HY01	51	51	51	51	51	51	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	51	51	51	51	51	51	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY02	61	67	67	36	37	38	38	38	38	36	38	39	38	37	37	36	38	38	38	38	38	39	38	38
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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
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	6	5	6	6	6	6	5	5	6	6	6	6	5	6	6	5	5	5	5	5	5	5	5	5
UPIA	HY02	6	6	5	5	5	5	5	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		333	344	344	307	310	313	312	210	206	206	204	206	227	209	225	230	201	208	207	206	210	210	211	313
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
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	10	14	17	20	21	26	15	22	24
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	10	19	13	24	45	47	50	50	33	40
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	1	12	24	33	38	62	67	71	76	65	55
PCUF	CUFK	27	26	25	25	27	26	26	25	25	26	26	26	28	26	25	25	25	25	22	28	25	24	22	26
PCUF	CUFG	33	34	33	34	34	34	33	33	34	34	31	32	34	35	35	35	33	31	33	34	32	32	34	33
Total Co-Gen		60	60	58	59	61	60	59	58	59	60	56	58	60	61	61	63	59	56	58	59	57	56	61	60
Total Gen		13409	13133	12943	12738	12642	12374	12302	12029	11919	11824	11723	11676	11681	11668	11479	11103	11008	11355	11543	11909	12200	12534	12735	
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
TIE-HVDC		31	30	30	31	31	31	31	30	30	31	30	30	30	31	31	31	31	31	31	29	29	30	30	31
TIE-PLTG		27	-16	-7	27	-16	-36	-44	-4	-46	-42	0	-22	-61	-2	-5	-44	12	68	-67	-19	-19	-50	-26	-20
Interconnection		57	14	23	57	15	-5	-13	27	-16	-11	31	8	-31	27	25	-13	43	98	-36	12	12	-19	5	
System Total		13367	13134	12935	12696	12642	12394	12330	12002	11935	11835	11692	11668	11712	11641	11454	11116	10965	11257	11579	11897	12188	12553	12730	
SRev ST-Coal		419	468	549	389	399	384	405	397	396	390	396	376	396	395	391	115	87	83	106	86	124	122	102	
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
SRev CCGT-Gas		1092	1151	700	870	980	1036	756	946	1055	1171	1253	1329	1345	1339	1552	1903	1984	1655	1464	1130	871	544	373	
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

