

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,708 MW
Hydro	2,232 MW
Distillate	0 MW
Total TNB	4,940 MW
Total IPP	14,346 MW
Total Co-Gen	0 MW
Total System	19,850 MW

### Generation Mix

Type	MWh	Percentage
Gas	43,525	12.34 %
Hydro	17,008	4.82 %
<b>Total TNB</b>	<b>60,533</b>	<b>17.17 %</b>
ST-Coal	182,722	51.82 %
Gas	108,343	30.73 %
<b>Total IPP</b>	<b>291,065</b>	<b>82.55 %</b>
Co-Gen	1,484	0.42 %
<b>Total Co-Gen</b>	<b>1,484</b>	<b>0.42 %</b>
<b>Total Generation</b>	<b>353,082</b>	<b>100.14 %</b>
PLTG	-231	-0.07 %
HVDC	723	0.21 %
<b>Interconnection</b>	<b>492</b>	<b>0.14 %</b>
<b>Net Energy</b>	<b>352,590</b>	<b>100.00 %</b>

### Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

### Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	17,988 MW
TNB Generation	3,779 MW
IPP Generation	13,015 MW
Spinning Reserve	1,134 MW
Maximum Demand	16,840 MW
Net Energy	352,590 MWH
Load Factor	87.24 %

### Fuel Cost

Total Cost:	57,099,694.25 RM
Cost per Unit	16.99 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	380
Hydro	451
Syncon	468
Thermal	149
<b>Total</b>	<b>1,448</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	27

### Gas Usage

Station	(mmscfd)
CBPS	46
GLGR	52
PAKA	95
PGPS	41
SRDG	19
TJGS	96
<b>Total TNB</b>	<b>349</b>
CBPS	56
KLPP	101
MPSS	49
NPRI	149
PDPS	8
PGLA	107
PKLG	5
PLPS	96
PTEK	22
SGRI	169
SKSP	49
<b>Total IPP</b>	<b>810</b>
<b>Total Gas</b>	<b>1,159</b>
<b>Total Gas Required</b>	<b>1,159</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	14172	13519	13033	12710	12437	12141	12515	12508	12827	14564	15558	16242	16299	15872	16487	16730	16649	16307	15111	15134	15847	15609	15030	14480

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, April 19, 2017 10:42:52 AM

(Gurcharan Singh)  
Pengurus Besar Kanan  
Jabatan Sistem Operasi





### Daily MW Generation on Thursday

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	HY03	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	34	34	34	34	-1	-1	-1	-1	-1	0	0	0	0
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	37	37	37	37	37	-1	-1	-1	-1
UJLI	HY01	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	103	175	84	88	82	105	83	91	93	91	93	92
UJLI	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	93	95	105	87	86	92	84	108	86	92	94	93	94
UPIA	HY02	7	7	7	4	4	4	4	4	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Total Hydro		564	388	236	233	230	291	229	228	255	232	231	234	244	252	217	235	249	369	535	637	740	931	1080	1650	1295	1044
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
PCUF	CUFG	34	34	35	35	35	35	34	36	36	36	36	37	35	35	34	34	35	34	34	33	33	33	34	34	34	35
PCUF	CUFK	27	25	28	26	26	28	27	27	27	28	28	28	27	26	28	28	27	26	27	26	27	26	27	26	27	25
Total Co-Gen		61	59	63	61	61	63	62	61	63	64	64	63	64	62	63	65	64	63	62	63	63	61	62	61	61	60
Total Gen		14244	13940	13512	13404	13072	13012	12773	12666	12462	12361	12190	12376	12520	12721	12573	12428	12804	13886	14593	15296	15584	15983	16164	16491	16335	16145
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
TIE-HVDC		30	30	30	30	32	30	30	30	31	31	29	30	31	29	31	31	29	29	29	31	31	29	29	29	31	30
TIE-PLTG		42	17	-37	30	7	73	33	46	-6	4	20	-14	-26	18	34	7	-52	-24	-2	-2	-3	7	-107	74	7	-14
Interconnection		72	47	-7	60	39	103	63	76	25	35	49	16	5	46	65	39	-23	6	29	29	26	38	-78	103	36	17
System Total		14172	13893	13519	13344	13033	12909	12710	12590	12437	12326	12141	12360	12515	12675	12508	12389	12827	13880	14564	15267	15558	15945	16242	16388	16299	16128
SRev ST-Coal		158	178	74	117	132	127	132	135	150	182	168	165	171	177	175	170	174	189	134	103	128	134	140	181	152	145
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	-1	1	1	-1
SRev CCGT-Gas		757	854	1087	935	1249	1377	1548	1650	1528	1575	1759	1578	1439	1238	1354	1524	1157	884	947	537	487	271	234	313	372	318
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
SRev Co-Gen		-13	-11	-15	-13	-13	-15	-14	-13	-15	-16	-16	-15	-16	-14	-15	-17	-16	-15	-14	-15	-15	-13	-14	-13	-13	-12
Syncon		663	849	1137	1137	1137	1137	1263	1263	1112	1263	1263	1263	1112	1263	1263	1263	1162	910	910	910	809	658	255	151	386	471
Hydro		134	124	73	73	76	140	76	77	201	73	81	78	68	211	85	91	77	58	144	185	268	363	365	205	664	580
S.Reserve Total		1699	1994	2356	2249	2581	2766	3005	3112	2976	3077	3255	3069	2925	2724	2872	3041	2665	2288	2131	1730	1788	1574	1393	950	1337	1427