

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,294 MW
Hydro	2,353 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,647 MW</b>
<b>Total IPP</b>	<b>14,735 MW</b>
<b>Total Co-Gen</b>	<b>85 MW</b>
<b>Total System</b>	<b>21,031 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	47,812	13.92 %
Hydro	17,554	5.11 %
<b>Total TNB</b>	<b>65,366</b>	<b>19.03 %</b>
ST-Coal	183,645	53.47 %
Gas	92,184	26.84 %
<b>Total IPP</b>	<b>275,829</b>	<b>80.30 %</b>
Co-Gen	1,694	0.49 %
<b>Total Co-Gen</b>	<b>1,694</b>	<b>0.49 %</b>
<b>Total Generation</b>	<b>342,889</b>	<b>99.83 %</b>
PLTG	104	0.03 %
HVDC	-697	-0.20 %
<b>Interconnection</b>	<b>-593</b>	<b>-0.17 %</b>
<b>Net Energy</b>	<b>343,482</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:	16:00:00 Hour
Total Set On Bus	17,616 MW
TNB Generation	3,714 MW
IPP Generation	12,783 MW
Spinning Reserve	1,051 MW
Maximum Demand	16,600 MW
Net Energy	343,482 MWH
Load Factor	86.22 %

### Fuel Cost

Total Cost:	55,773,361.35 RM
Cost per Unit	17.20 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	347
Hydro	311
Syncon	791
Thermal	129
<b>Total</b>	<b>1,578</b>

### Time Weather Temperature

Afternoon	Hot	35
Morning	Cloudy	28

### Gas Usage

Station	(mmscfd)
CBPS	41
GLGR	54
PGPS	40
TJGS	214
<b>Total TNB</b>	<b>349</b>
KLPP	96
MPSS	48
NPRI	147
PGLA	108
PLPS	84
PTEK	3
SGB3	0
SGRI	158
SKSP	46
<b>Total IPP</b>	<b>690</b>
<b>Total Gas</b>	<b>1,040</b>

**Total Gas Required 1,040**

### 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	13689	12950	12566	12150	11906	11777	11989	12166	12489	14116	15063	15707	15729	15483	16145	16399	16600	16155	14936	14502	15530	15467	15008	14548

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, April 05, 2017 11:11:43 AM

(Gurcharan Singh)  
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																									
PCUF	CUFG	39	39	41	38	39	40	40	41	40	41	40	42	41	41	40	42	41	39	39	38	38	38	39	39	39	38	36	35	34	36	38	37	37	38	37	38	37	38	39	38	39	39							
PCUF	CUFK	32	32	32	32	32	33	31	31	32	31	32	31	31	32	32	32	31	31	32	32	30	32	32	32	32	32	32	31	32	32	31	31	32	32	32	32	32	33	32	32	31	33							
Total Co-Gen		71	71	73	70	71	73	71	72	72	72	73	74	72	72	72	74	73	71	70	69	70	70	71	71	70	70	70	70	72	71	71	70	68	66	66	68	69	68	69	70	69	70	70	70	71	70	70	72	
Total Gen		13599	13339	12871	12624	12545	12289	12085	11977	11911	11833	11768	11815	11941	12313	12228	12152	12467	13442	14072	14756	15027	15408	15689	15856	15718	15406	15454	15739	16120	16349	16322	16417	16565	16444	16091	15366	14975	14575	14492	15163	15548	15562	15408	15329	15020	14785	14506	14094	
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	
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-30	-30	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		-61	25	-50	-25	9	-5	-35	17	34	48	20	10	-19	71	90	64	6	19	-14	24	-7	3	11	10	18	-8	1	18	4	-46	-47	18	-5	-42	-34	38	68	-24	19	5	48	10	-30	-19	40	-35	-13	-20	
Interconnection		-90	-3	-79	-54	-21	-34	-65	-12	5	19	-9	-18	-48	42	62	35	-22	-10	-44	-5	-36	-26	-18	-19	-11	-37	-29	-11	-25	-75	-77	-11	-35	-71	-64	8	39	-53	-10	-25	18	-20	-59	-48	12	-63	-42	-49	
System Total		13689	13342	12950	12678	12566	12323	12150	11989	11906	11814	11777	11833	11989	12271	12166	12117	12489	13452	14116	14761	15063	15434	15707	15875	15729	15443	15483	15750	16145	16424	16399	16428	16600	16515	16155	15358	14936	14628	14502	15188	15530	15582	15467	15377	15008	14848	14548	14143	
SRev ST-Coal		532	179	57	333	331	333	330	348	334	338	338	321	334	341	320	187	177	173	175	144	121	119	128	149	135	119	134	141	131	123	115	125	126	114	125	113	128	120	118	110	126	120	138	115	125	127	166	76	
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	-2	-1	-1	-1	50	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		893	589	1082	1295	1373	1512	1709	1797	1881	1972	1993	1996	1857	1498	1987	2278	1974	1003	952	631	639	428	247	219	341	415	276	189	149	155	137	138	136	142	389	426	709	1136	1121	571	411	388	274	315	523	539	498	649	
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
SRev Co-Gen		14	14	12	15	14	12	14	13	13	13	13	12	11	13	13	13	11	12	14	15	16	15	15	14	14	15	15	15	13	14	14	15	17	19	19	17	16	17	16	15	16	15	15	15	14	15	15	13	
Syncon		1187	1187	1187	1187	1187	1187	1187	1187	1036	1187	1187	1187	1187	1036	1187	1187	1187	1187	1036	863	1014	1099	1099	1099	574	337	337	337	337	337	337	337	337	545	545	1021	1021	1151	1151	849	698	597	899	1025	1151	1151	1151	1151	
Hydro		56	45	45	48	44	46	46	47	45	174	46	45	46	46	179	53	54	55	54	51	139	115	368	380	259	184	110	255	501	510	563	566	436	353	448	187	73	53	57	195	354	471	169	104	70	53	54	51	
S.Reserve Total		2682	2014	2383	2878	2949	3090	3286	3392	3460	3533	3577	3561	3435	3085	3535	3718	3403	2430	2382	2028	2102	1864	1794	1632	1770	1832	1634	1699	1368	1139	1166	1179	1051	1172	1525	1814	1947	2477	2463	1740	1605	1591	1495	1574	1883	1885	1884	1940	