

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,973 MW
Hydro	2,135 MW
Distillate	0 MW
Total TNB	5,108 MW
Total IPP	14,530 MW
Total Co-Gen	58 MW
Total System	20,260 MW

Generation Mix

Type	MWh	Percentage
Gas	36,746	10.43 %
Hydro	19,151	5.44 %
Total TNB	55,897	15.86 %
ST-Coal	188,923	53.62 %
Gas	105,368	29.91 %
Total IPP	294,291	83.52 %
Co-Gen	1,344	0.38 %
Total Co-Gen	1,344	0.38 %
Total Generation	351,532	99.77 %
PLTG	-112	-0.03 %
HVDC	-696	-0.20 %
Interconnection	-808	-0.23 %
Net Energy	352,340	100.00 %

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:	11:30:00 Hour
Total Set On Bus	17,682 MW
TNB Generation	2,971 MW
IPP Generation	13,366 MW
Spinning Reserve	1,290 MW
Maximum Demand	16,488 MW
Net Energy	352,340 MWH
Load Factor	89.04 %

Fuel Cost

Total Cost:	56,664,074.70 RM
Cost per Unit	17.05 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	521
Hydro	439
Syncon	399
Thermal	170
Total	1,529

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Rainy	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	48
TJGS	213
Total TNB	261
CBPS	54
KLPP	71
MPSS	53
NPRI	147
PGLA	106
PLPS	67
PTEK	12
SGB3	66
SGRI	171
SKSP	46
Total IPP	794
Total Gas	1,055

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 1,055

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	14693	13960	13371	13043	12722	12436	12619	12720	13060	14992	15832	16387	16231	15771	16176	16379	16310	15821	14677	14860	15827	15629	15059	14718

Prepared By: -Select Name-

Checked By: -Select Name-

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(Gurcharan Singh)
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																									
PCUF	CUFG	33	33	33	33	34	33	33	33	33	34	34	32	33	31	33	32	31	31	31	32	31	30	30	30	31	31	31	30	31	31	31	32	32	31	31	32	32	35	35	35	35	35	35	35	35	35			
PCUF	CUFK	26	24	26	27	25	25	28	25	25	26	25	25	24	25	25	24	26	26	26	26	24	25	25	23	24	24	24	24	23	23	24	21	26	26	17	17	18	19	18	18	21	24	24	24	24	24			
Total Co-Gen		59	57	59	60	58	59	61	58	58	59	58	59	59	56	58	56	58	56	57	57	57	56	56	55	53	54	55	55	55	53	54	55	52	58	58	48	48	50	51	53	52	53	53	56	59	59	59	59	
Total Gen		14667	14238	13926	13676	13343	13315	12997	12742	12704	12599	12437	12566	12629	12932	12736	12541	13051	14206	14902	15418	15775	16243	16324	16392	16097	15893	15692	15791	15869	16053	16006	15779	15967	16039	15688	15145	14593	14604	14653	15463	15780	15712	15554	15340	15028	14841	14653	14288	
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	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		3	24	-6	-28	1	14	-18	49	12	-18	29	13	39	45	45	8	20	25	-62	24	-28	38	-6	-13	-40	16	44	-32	-18	16	5	-54	29	-18	-42	-26	7	10	-56	-36	-18	-34	-46	-47	-3	-38	-35	-20	
Interconnection		-26	-5	-34	-57	-28	-14	-46	19	-18	-47	1	-16	10	16	16	-21	-9	-4	-90	-6	-57	10	-35	-42	-69	-14	14	-61	-48	-12	-24	-84	-1	-47	-70	-56	-22	-20	-86	-65	-47	-63	-75	-75	-31	-66	-65	-49	
System Total		14693	14243	13960	13733	13371	13329	13043	12723	12722	12646	12436	12582	12619	12916	12720	12562	13060	14210	14992	15424	15832	16246	16387	16488	16231	15985	15771	16013	16176	16337	16379	16326	16310	16225	15821	15273	14677	14803	14860	15528	15827	15775	15629	15415	15059	14907	14718	14337	
SRev	ST-Coal	174	342	288	255	253	261	252	255	255	259	258	244	261	255	255	259	260	267	256	189	140	167	165	166	180	172	193	164	172	168	153	164	161	172	178	160	153	141	135	149	140	164	171	168	160	164	248	237	
SRev	OCGT-Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101	-10	-10	98	161	167	156	159	58	62	57	54	55	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev	CCGT-Gas	1064	1149	1358	1608	1868	1828	2075	2275	2314	2415	2559	2466	2391	2083	2263	2359	1833	1003	530	367	277	324	341	245	351	402	493	403	512	473	443	701	568	592	640	710	1065	955	1097	564	449	495	625	526	725	769	492	691	
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	
SRev	Co-Gen	-1	1	-1	-2	0	-1	-3	0	0	-1	0	-1	2	0	2	0	2	1	1	1	2	2	3	5	4	3	3	3	5	4	3	6	0	0	10	10	8	7	5	6	5	5	2	-1	-1	-1	-1		
Syncon		750	750	750	750	599	750	750	750	750	750	750	599	816	876	876	876	705	554	302	302	302	302	428	554	554	302	151	302	151	302	302	302	664	790	790	790	579	302	302	453	579	790	790	790	790	790			
Hydro		83	155	147	147	122	260	141	140	135	140	156	136	134	138	283	228	242	114	109	177	400	544	544	544	548	508	471	434	567	683	561	678	501	356	429	342	410	276	275	206	439	438	308	351	181	180	182	181	
S.Reserve Total		2070	2397	2542	2758	2993	2947	3215	3420	3454	3563	3723	3595	3535	3228	3400	3664	3211	2262	1772	1439	1372	1440	1344	1250	1484	1675	1881	1714	1715	1538	1525	1754	1592	1477	1644	1886	2428	2170	2304	1503	1336	1404	1562	1626	1855	1902	1711	1898	