

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,876 MW
Hydro	2,273 MW
Distillate	0 MW
Total TNB	5,149 MW
Total IPP	14,106 MW
Total Co-Gen	0 MW
Total System	19,819 MW

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:	19:30:00 Hour
Total Set On Bus	16,151 MW
TNB Generation	2,463 MW
IPP Generation	11,903 MW
Spinning Reserve	1,736 MW
Maximum Demand	14,420 MW
Net Energy	317,701 MWH
Load Factor	91.80 %

Gas Usage

Station	(mmscfd)
CBPS	43
GLGR	31
PAKA	4
PGPS	27
SRDG	3
TJGS	219
Total TNB	328
CBPS	54
KLPP	101
MPSS	60
NPRI	131
PGLA	113
PLPS	97
PTEK	1
SGB3	1
SGRI	188
SKSP	51
Total IPP	797
Total Gas	1,125
Total Gas Required	1,125

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	45,117	14.20 %
Hydro	8,327	2.62 %
Total TNB	53,444	16.82 %
ST-Coal	155,386	48.91 %
Gas	107,573	33.86 %
Total IPP	262,959	82.77 %
Co-Gen	965	0.30 %
Total Co-Gen	965	0.30 %
Total Generation	317,368	99.90 %
PLTG	364	0.11 %
HVDC	-697	-0.22 %
Interconnection	-333	-0.10 %
Net Energy	317,701	100.00 %

Fuel Cost

Total Cost:	43,596,751.65 RM
Cost per Unit	14.11 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	410
Hydro	317
Syncon	1,026
Thermal	222
Total	1,975

Time Weather Temperature

Afternoon	Rainy	30
Morning	Sunny	28

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	13569	12973	12627	12158	11849	11811	11799	11394	11482	12714	13568	14136	14169	13891	14075	14154	13956	13667	13423	14013	14324	14153	13823	13564

Prepared By: -Select Name-

Checked By: -Select Name-

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(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Saturday

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	CUFK	18	18	18	18	18	17	18	20	19	16	19	18	17	18	18	19	18	17	16	19	18	19	17	20	18	17	18	19	18	18	17	17	18	18	16	16	17	18	17	27	27								
Total Co-Gen		18	18	18	18	18	17	18	20	19	16	19	31	37	46	50	48	49	47	47	45	45	44	46	47	46	46	48	45	50	47	46	48	48	48	48	48	46	46	49	48	45	46	46	48	47	58	58		
Total Gen		13577	13212	12902	12708	12616	12332	12146	12041	11838	11793	11828	11678	11827	11665	11367	11331	11475	12205	12686	13196	13525	13917	14121	14298	14075	14006	13846	14041	14025	14164	14125	14088	13933	13855	13646	13481	13406	13428	13996	14415	14341	14366	14182	14144	13789	13792	13551	13408	
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		
TIE-HVDC		-28	-28	-29	-29	-29	-29	-32	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28		
TIE-PLTG		36	27	-42	-39	18	48	18	1	18	73	46	10	57	66	3	24	22	24	1	8	-15	39	14	10	-65	-7	-16	10	-22	-17	0	36	6	22	8	50	12	17	12	24	46	44	58	27	-5	4	16	2	
Interconnection		8	-2	-71	-67	-11	19	-12	-30	-11	44	17	-19	28	37	-27	-6	-7	-5	-28	-21	-43	10	-15	-19	-94	-36	-45	-19	-50	-46	-29	7	-23	-7	-21	20	-17	-12	-17	-5	17	15	29	-2	-34	-25	-13	-26	
System Total		13569	13214	12973	12775	12627	12313	12158	12071	11849	11749	11811	11697	11799	11628	11394	11337	11482	12210	12714	13217	13568	13907	14136	14317	14169	14042	13891	14060	14075	14210	14154	14081	13956	13862	13667	13461	13423	13440	14013	14420	14324	14351	14153	14146	13823	13817	13564	13434	
SRev ST-Coal		176	200	239	231	274	273	257	262	276	271	272	268	267	275	271	277	271	265	262	260	257	270	258	264	261	261	266	264	258	258	166	165	159	171	167	150	157	165	160	166	156	167	164	164	163	157	161	157	
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	5	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		597	510	341	294	323	548	560	389	578	623	591	760	614	777	1081	1645	1516	671	535	829	551	299	248	223	347	244	375	472	528	370	441	356	518	512	728	910	1002	997	530	255	337	232	390	448	455	330	410	561	
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		2	2	2	2	2	3	2	0	1	4	1	9	3	4	0	2	1	3	3	5	5	6	4	3	4	4	3	4	2	5	0	3	4	2	2	2	2	4	4	1	2	5	4	4	2	3	-8	-8	
Syncon		1162	1162	1162	885	734	734	1011	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162	1011	1036	1036	1162	1162	975	1036	1061	910	910	910	1061	1061	1162	1162	1162	1162	1011	1162	1162	824	824	1011	1011	1011	1011	1011	1011			
Hydro		140	141	129	121	194	279	193	137	136	138	139	138	139	138	142	139	132	72	264	161	193	168	284	314	352	249	427	458	449	339	305	177	175	149	146	146	273	145	299	490	491	370	400	380	387	377	405	401	
S.Reserve Total		2077	2015	1873	1533	1527	1837	2023	1950	2153	2198	2165	2337	2185	2356	2656	3225	3082	2173	2075	2291	2042	1905	1956	1779	2000	1819	1981	2113	2148	2033	1974	1863	2018	1996	2205	2370	2445	2473	2155	1736	1810	1785	1969	2007	2018	1878	1979	2122	