

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,547 MW
Hydro	2,335 MW
Distillate	0 MW
Total TNB	5,882 MW
Total IPP	12,886 MW
Total Co-Gen	90 MW
Total System	19,140 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:	20:00:00 Hour
Total Set On Bus	16,410 MW
TNB Generation	3,152 MW
IPP Generation	11,169 MW
Spinning Reserve	2,005 MW
Maximum Demand	14,355 MW
Net Energy	315,614 MWH
Load Factor	91.61 %

Gas Usage

Station	(mmscfd)
CBPS	48
GLGR	55
PGPS	51
SRDG	4
TJGS	222
Total TNB	380
KLPP	111
MPSS	58
NPRI	155
PGLA	109
PLPS	89
PTEK	9
SGB3	35
SGRI	176
Total IPP	742
Total Gas	1,122

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	51,803	16.41 %
Hydro	10,187	3.23 %
Total TNB	61,990	19.64 %
ST-Coal	153,929	48.77 %
Gas	98,042	31.06 %
Total IPP	251,971	79.84 %
Co-Gen	2,058	0.65 %
Total Co-Gen	2,058	0.65 %
Total Generation	316,019	100.13 %
PLTG	-321	-0.10 %
HVDC	726	0.23 %
Interconnection	405	0.13 %
Net Energy	315,614	100.00 %

Fuel Cost

Total Cost:	53,009,754.90 RM
Cost per Unit	17.33 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	464
Hydro	206
Syncon	1,043
Thermal	127
Total	1,840

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Rainy	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	13337	12853	12380	11993	11676	11417	11496	11612	11319	12393	13265	14023	13998	13774	14137	14088	14223	13903	13451	13489	14355	14303	13921	13668

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	CUFG	48	49	49	51	51	50	49	49	50	50	50	51	50	50	50	49	51	49	50	49	48	48	49	50	49	49	48	48	49	49	49	50	49	50	49	50	49	49	48	48									
PCUF	CUFK	37	38	38	39	38	40	40	39	38	38	38	38	39	39	40	40	39	40	37	35	36	35	35	34	34	34	35	35	35	34	34	35	35	35	34	35	35	36	37	35	34	36	37	36	35				
Total Co-Gen		85	87	87	90	89	90	89	88	88	88	88	89	89	89	90	89	90	89	87	84	84	83	84	84	83	83	82	84	81	83	82	84	83	82	84	84	85	87	84	84	85	87	85	86	84	83			
Total Gen		13345	13059	12855	12452	12342	12137	12002	11859	11748	11599	11419	11556	11535	11657	11647	11485	11339	11960	12382	12912	13274	13660	14051	14087	13997	13780	13786	13967	14161	14175	14125	14299	14267	14171	13921	13613	13472	13426	13529	14264	14405	14373	14333	14260	13970	13951	13682	13464	
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		30	31	31	30	30	30	30	31	31	30	31	31	31	31	30	30	31	31	30	30	29	29	31	31	30	30	30	30	31	31	30	30	30	30	30	30	31	31	30	30	31	31	31	31	31	31	30		
TIE-PLTG		-22	-71	-29	-139	-68	23	-21	-7	41	2	-29	2	8	18	4	-20	-10	-49	-41	-41	-21	-24	-1	-5	-31	-4	-18	-6	-6	-64	6	-39	13	-9	-12	-18	-9	6	10	-16	20	36	0	22	19	-3	-16	-25	
Interconnection		8	-40	2	-108	-38	53	9	23	72	33	2	33	39	49	35	10	20	-18	-11	-11	9	6	28	25	-1	26	12	24	24	-33	37	-9	44	21	18	13	21	36	40	14	50	66	30	53	49	27	14	5	
System Total		13337	13099	12853	12560	12380	12084	11993	11836	11676	11566	11417	11523	11496	11608	11612	11445	11319	11978	12393	12923	13265	13654	14023	14062	13998	13754	13774	13943	14137	14208	14088	14308	14223	14150	13903	13600	13451	13390	13489	14250	14355	14307	14303	14207	13921	13924	13668	13459	
SRev ST-Coal		138	64	64	107	80	112	99	142	159	163	169	147	156	154	170	207	202	201	200	233	195	193	18	103	100	114	111	107	110	95	97	97	109	158	164	101	149	129	22	95	237	83	135	90	115	158	93	97	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-8	-8	-8	-8	-8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	62	-18	-18	-16	71	0	0	0	
SRev CCGT-Gas		758	739	620	961	1022	1059	1184	1285	1379	1522	1697	1586	1598	1476	1473	1541	1566	1133	857	625	662	552	431	419	451	582	467	329	352	233	294	267	288	277	516	459	437	442	631	423	479	539	452	468	502	414	495	427	
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		5	3	3	0	1	0	1	2	2	2	2	1	1	1	1	0	1	0	1	3	6	6	7	6	6	7	7	8	6	9	7	8	6	7	7	8	6	6	5	3	6	6	5	3	5	4	6	7	
Syncon		849	950	950	799	547	950	950	950	950	950	950	950	950	950	950	849	975	975	975	975	1101	1101	950	1101	1101	1101	1101	1101	950	950	950	950	950	1101	1202	1202	1101	1101	950	1101	1101	1101	1202	713	864	1202			
Hydro		88	121	121	194	366	100	122	120	120	122	121	118	118	120	117	118	116	150	123	192	215	216	176	168	230	97	101	161	93	217	357	352	353	353	358	179	95	101	311	111	271	176	214	216	186	233	291	133	
S.Reserve Total		1838	1877	1758	2061	2016	2221	2356	2499	2610	2759	2939	2802	2823	2701	2711	2816	2835	2333	2156	2028	2053	1934	1725	1789	1729	1893	1787	1706	1662	1655	1705	1674	1706	1745	1995	1848	1889	1880	2070	1778	2005	1912	1889	1862	2081	1522	1749	1866	