

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,747 MW
Hydro	2,126 MW
Distillate	0 MW
Total TNB	5,873 MW
Total IPP	12,959 MW
Total Co-Gen	0 MW
Total System	19,114 MW

Generation Mix

Type	MWh	Percentage
Gas	66,384	20.25 %
Hydro	17,666	5.39 %
Total TNB	84,050	25.64 %
ST-Coal	152,226	46.43 %
Gas	90,288	27.54 %
Total IPP	242,514	73.97 %
Co-Gen	482	0.15 %
Total Co-Gen	482	0.15 %
Total Generation	327,046	99.76 %
PLTG	-244	-0.07 %
HVDC	-554	-0.17 %
Interconnection	-798	-0.24 %
Net Energy	327,844	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:	20:30:00 Hour
Total Set On Bus	15,974 MW
TNB Generation	4,371 MW
IPP Generation	10,473 MW
Spinning Reserve	1,108 MW
Maximum Demand	14,937 MW
Net Energy	327,844 MWH
Load Factor	91.45 %

Fuel Cost

Total Cost:	42,338,786.65 RM
Cost per Unit	13.68 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	507
Hydro	243
Syncon	493
Thermal	121
Total	1,364

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	59
GLGR	52
PAKA	116
PGPS	51
SRDG	6
TJGS	220
Total TNB	505
CBPS	55
KLPP	104
NPRI	150
PGLA	109
PLPS	95
PTEK	4
SGRI	147
Total IPP	663
Total Gas	1,168

Total Gas Required 1,168

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	14376	13738	13175	12767	12499	12438	12227	11807	11582	12914	13684	14293	14217	13955	14264	14370	14318	14294	13957	13753	14592	14871	14760	14466

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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
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY04	34	37	35	34	34	37	39	35	34	35	34	35	35	34	39	39	41	43	40	42	42	44	40	40
UJLI	HY02	0	0	0	0	-5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		769	745	673	529	322	333	335	329	327	452	529	488	424	423	420	425	425	450	432	418	423	574	679	923
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
PCUF	CUFG	1	1	1	1	1	0	1	1	0	2	2	7	4	8	6	7	7	6	5	4	4	3	2	4
PCUF	CUFK	17	17	16	16	16	17	18	16	17	17	17	16	15	17	16	16	17	18	16	16	16	16	16	16
Total Co-Gen		18	18	17	17	17	17	19	17	17	19	19	24	20	23	23	23	23	24	21	20	20	20	19	19
Total Gen		14327	14038	13734	13437	13173	12928	12705	12555	12474	12540	12400	12221	12165	12072	11799	11485	11523	12267	12802	13321	13684	13977	14185	
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
TIE-HVDC		0	0	0	0	0	0	0	0	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-49	2	-4	-17	-2	-84	-62	-26	-25	-3	-9	-31	-33	40	21	-21	-29	10	-83	-6	29	-40	-80	
Interconnection		-49	2	-4	-17	-2	-84	-62	-26	-25	-3	-9	-31	-33	40	21	-21	-29	10	-83	-6	29	-40	-80	
System Total		14376	14037	13738	13454	13175	13012	12767	12581	12499	12543	12438	12281	12227	12061	11807	11535	11582	12286	12914	13356	13684	14045	14293	
SRev ST-Coal		123	202	194	219	110	117	124	119	132	99	147	152	146	136	114	130	123	120	114	125	120	123	112	
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
SRev CCGT-Gas		416	350	377	515	723	845	941	922	904	998	1111	1253	1256	1401	1696	1999	1990	1416	872	903	454	375	329	
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
SRev Co-Gen		9	9	10	10	10	8	10	10	8	8	3	7	4	4	4	3	6	7	7	7	8	8	7	
Syncon		322	322	322	423	655	650	650	650	448	448	750	876	876	876	876	876	876	876	876	876	876	624	574	
Hydro		397	421	393	436	411	405	403	409	411	468	411	150	88	89	92	87	87	213	80	85	80	79	49	
S.Reserve Total		1267	1304	1296	1603	1909	2027	2126	2110	2107	2041	2125	2313	2369	2509	2782	3096	3080	2478	1946	1692	1536	1460	1373	