

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,943 MW
Hydro	2,122 MW
Distillate	0 MW
Total TNB	9,145 MW
Total IPP	10,202 MW
Total Co-Gen	30 MW
Total System	19,377 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	67,864	19.68 %
Gas	67,865	19.68 %
Hydro	8,680	2.52 %
Total TNB	144,409	41.88 %
ST-Coal	107,640	31.22 %
ST-Gas	11,322	3.28 %
Gas	79,890	23.17 %
Total IPP	198,852	57.67 %
Co-Gen	646	0.19 %
Total Co-Gen	646	0.19 %
Total Generation	343,907	99.73 %
PLTG	-187	-0.05 %
HVDC	-735	-0.21 %
Interconnection	-922	-0.27 %
Net Energy	344,829	100.00 %

Maximum Demand Record

Date: 6/11/2014	16,901 MW
Date: 6/24/2014	355,911 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	18,199 MW
TNB Generation	6,805 MW
IPP Generation	9,546 MW
Spinning Reserve	1,825 MW
Maximum Demand	16,513 MW
Net Energy	344,829 MWH
Load Factor	87.01 %

Fuel Cost

Total Cost:	52,264,529.45 RM
Cost per Unit	15.59 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	411
Hydro	362
Syncon	817
Thermal	183
Total	1,773

Time	Weather	Temperature
Afternoon	Hot	38
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
CBPS	17
CBPS	100
GLGR	53
NPRI	1
PAKA	201
PGPS	50
SRDG	11
TJGS	103
Total TNB	537

KLPP	86
MPSS	51
PDPS	20
PGLA	103
PKLG	7
PLPS	93
SGB3	35
SGRI	189
SKSP	50
PKLG	112
Total IPP	747
Total Gas	1,284

Total Gas Required 1,284

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	13767	13090	12626	12063	11885	11740	11967	12067	12372	14156	15065	15804	15741	15478	16111	16507	16408	16144	14975	14610	15812	15767	15357	14955

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(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
LPJA	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
PGAU	HY01	20	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	81	-1	-1	17	20	20	20	20	20	20	20
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	81	81	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	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
PGAU	HY04	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	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
SIHY	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	HY01	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	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
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	26	31	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	-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	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
TMGR	HY04	28	33	31	29	32	30	24	36	35	29	29	26	37	37	30	26	38	32	37	40	35	40	69	71
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		271	287	185	181	204	185	169	192	192	174	174	167	249	398	349	166	194	294	311	358	354	408	731	718
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	10	10	10	4	4	4	4	3	4	5	5	4	4	4	4	4	4	4	4	4	4	3	4	4
PCUF	CUFK	23	24	24	23	24	26	24	26	25	25	25	26	27	25	28	26	26	25	23	23	22	21	21	20
Total Co-Gen		33	34	34	27	28	30	28	30	28	29	30	30	31	29	29	33	30	30	29	27	27	25	24	24
Total Gen		13704	13274	13060	12822	12597	12273	12072	11893	11823	11751	11761	11718	11920	12118	11998	11922	12369	12460	14146	14637	15080	15361	15734	15986
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		-31	-31	-30	-30	-31	-31	-30	-30	-31	-31	-30	-30	-31	-31	-31	-31	-31	-31	-31	-31	-31	-31	-31	-31
TIE-PLTG		-32	-20	0	24	2	-24	39	-43	-32	61	51	50	-17	-66	-38	89	28	72	21	-8	15	-67	-39	-21
Interconnection		-63	-51	-30	-6	-29	-55	9	-73	-62	30	21	20	-47	-96	-69	57	-3	41	-10	-39	-15	-96	-70	-52
System Total		13767	13325	13090	12828	12626	12328	12063	11966	11885	11701	11740	11698	11967	12214	12067	11865	12372	13419	14156	14676	15065	15457	15804	16038
SRev ST-Coal		237	228	180	187	247	160	212	469	465	465	459	453	457	460	451	197	183	240	257	232	195	247	192	
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		691	542	729	891	1123	1551	1707	1670	1738	1815	1802	1893	1772	1720	1798	1979	1775	1114	668	742	491	252	324	
SRev ST-Gas		4	5	83	78	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
SRev Co-Gen		-3	-4	-4	3	2	0	2	0	2	1	0	0	0	-1	1	1	-3	0	0	1	3	3	3	
Syncon		716	716	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953
Hydro		461	445	135	139	116	135	151	128	128	146	146	153	222	224	273	154	126	451	434	426	430	376	278	
S.Reserve Total		2106	1932	2076	2251	2516	2874	3100	3295	3361	3455	3435	3527	3328	3129	3249	3359	3109	2682	2349	2359	2010	1762	1713	