

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,927 MW
Hydro	1,666 MW
Distillate	0 MW
Total TNB	7,663 MW
Total IPP	10,206 MW
Total Co-Gen	0 MW
Total System	18,154 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	48,315	17.96 %
Gas	44,672	16.60 %
Hydro	5,838	2.17 %
Total TNB	98,825	36.73 %
ST-Coal	104,830	38.96 %
Gas	64,287	23.89 %
Total IPP	169,117	62.85 %
Co-Gen	1,147	0.43 %
Total Co-Gen	1,147	0.43 %
Total Generation	269,089	100.01 %
PLTG	-694	-0.26 %
HVDC	723	0.27 %
Interconnection	29	0.01 %
Net Energy	269,060	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:	20:30:00 Hour
Total Set On Bus	13,651 MW
TNB Generation	4,911 MW
IPP Generation	7,748 MW
Spinning Reserve	936 MW
Maximum Demand	12,745 MW
Net Energy	269,060 MWH
Load Factor	87.96 %

Fuel Cost

Total Cost:	33,654,274.95 RM
Cost per Unit	12.78 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	502
Hydro	117
Syncon	508
Thermal	39
Total	1,166

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
CBPS	4
GLGR	30
PAKA	43
PGPS	40
SRDG	7
TJGS	203
Total TNB	328
KLPP	4
MPSS	48
PDPS	4
PGLA	101
PLPS	93
PTEK	3
SGRI	100
SKSP	49
YPGS	34
YPKA	67
Total IPP	503
Total Gas	831
Total Gas Required	831

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	12360	11906	11664	11332	11027	10848	10471	10185	9625	9888	10425	10861	10952	10966	11132	11062	11142	11187	11024	11485	12612	12704	12452	12140

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, September 02, 2014 8:55:24 AM

 (Gurcharan Singh)
 Pengurus Besar Kanan
 Jabatan Sistem Operasi

Daily MW Generation on Sunday

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
YPGS	GT12	62	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
YPGS	ST10	66	65	68	66	69	65	65	65	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
YPKA	BLK1	288	266	202	186	186	186	182	182	183	183	183	183	182	182	178	178	182	182	183	183	184	184	184	184
YPKA	BLK2	269	245	186	188	189	189	185	185	186	186	186	186	185	185	181	181	185	185	186	186	186	186	186	186
Total CCGT-Gas		5560	5169	4829	4809	4605	4579	4503	4221	4157	3876	3867	3785	3663	3657	3583	3286	3343	3446	3583	3812	4116	4238	4389	4864
CBPS	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total 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
BSIA	HY01	20	20	20	20	20	20	18	18	13	14	14	13	13	12	12	13	12	12	12	12	12	12	12	12
CEND	HY01	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
CEND	HY03	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
KNRG	HY01	22	24	27	22	26	22	21	22	22	24	24	22	24	20	23	22	20	18	24	23	23	23	23	23
KNYR	HY01	59	62	71	59	98	82	82	87	98	76	98	98	74	82	57	49	79	60	51	52	64	59	60	61
KNYR	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
KNYR	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
LPIA	HY02	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PGAU	HY01	-1	-1	-1	20	83	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	-1	123	110	85	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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
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	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	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	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	-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	74	77	78	74	49	39	35	38	39	39	42	42	40	41	37	31	39	40	33	32	37	34	34	35
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	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total Hydro		211	219	356	343	399	222	213	201	213	186	214	214	186	223	163	148	189	171	150	148	171	162	228	167
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	CUFK	2	8	8	9	10	9	10	9	9	11	11	10	10	11	10	9	8	7	9	10	10	11	11	9
PCUF	CUFK	37	39	37	37	38	38	40	38	38	39	40	37	39	41	37	36	33	33	34	32	32	29	28	29
Total Co-Gen		39	47	45	46	48	47	50	47	47	48	51	49	52	52	47	46	42	41	42	39	41	39	38	39
Total Gen		12376	12011	11802	11741	11639	11396	11342	11025	10983	10690	10701	10621	10464	10502	10356	9721	9626	9731	9918	10084	10410	10600	10918	10992
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	31	29	31	31	30	30	30	31	31	30	30	29	30	30	30	30	30	30	30	30	30	30
TIE-PLTG		-14	-154	-134	6	-54	3	-21	-45	-74	-71	-177	-78	-38	-110	141	6	-28	57	0	115	-45	0	26	-35
Interconnection		16	-124	-104	35	-25	34	10	-15	-44	-41	-147	-47	-7	-80	171	36	1	87	30	145	-15	31	57	-5
System Total		12360	12135	11906	11706	11664	11362	11332	11040	11027	10731	10848	10668	10471	10582	10185	9685	9625	9644	9888	9939	10425	10569	10861	10997
SRev ST-Coal		29	19	23	52	8	47	19	39	29	15	26	21	30	24	34	360	542	531	546	567	499	417	206	143

Daily MW Generation on Sunday

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																										
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		228	489	546	397	480	506	582	864	928	1209	1218	1300	1422	1428	1502	1799	1540	1427	1536	1529	1268	1146	995	522	690	796	846	744	902	873	1032	1052	1102	1077	985	1054	972	722	422	76	61	50	62	47	175	157	84	256		
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	0
SRev Co-Gen		37	29	31	30	28	29	26	29	29	28	25	28	26	25	27	24	24	24	29	30	34	35	34	37	35	37	38	37	35	35	37	38	38	38	39	38	37	36	36	35	27	20	15	10	2	-1	-4	-4		
Syncon		725	725	574	423	423	574	574	725	725	725	725	725	725	725	725	725	725	725	725	725	725	725	190	643	643	643	643	643	643	643	643	643	725	725	725	574	725	725	725	574	725	725	725	574	725	725	725	725		
Hydro		85	77	91	255	199	225	234	95	83	110	82	82	110	224	133	148	107	125	146	148	125	134	321	129	133	133	132	132	106	81	113	89	103	82	78	208	77	126	119	176	83	101	99	251	132	310	186	200		
S.Reserve Total		1104	1339	1265	1157	1138	1381	1435	1752	1794	2887	2076	2156	2313	2275	2421	3856	2938	2832	2982	2999	2651	2457	1946	1474	1526	1629	1811	1604	1731	1674	1853	1834	1912	1988	1903	1695	1736	1632	1279	943	951	936	925	909	1122	1191	1054	1192		