

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	5,308 MW
Hydro	2,001 MW
Distillate	0 MW
Total TNB	9,379 MW
Total IPP	8,785 MW
Total Co-Gen	31 MW
Total System	18,759 MW

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	13,115 MW
TNB Generation	6,361 MW
IPP Generation	5,767 MW
Spinning Reserve	966 MW
Maximum Demand	12,121 MW
Net Energy	252,365 MWH
Load Factor	86.75 %

Gas Usage

Station	(mmscfd)
CBPS	13
GLGR	31
NPRI	164
PAKA	106
PGPS	2
TJGS	211
Total TNB	526
KLPP	84
PGLA	114
SGRI	72
Total IPP	270
Total Gas	796
Total Gas Required	796

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	45,941	18.20 %
Gas	74,074	29.35 %
Hydro	9,814	3.89 %
Total TNB	129,829	51.44 %
ST-Coal	86,994	34.47 %
Gas	35,345	14.01 %
Total IPP	122,339	48.48 %
Co-Gen	496	0.20 %
Total Co-Gen	496	0.20 %
Total Generation	252,664	100.12 %
PLTG	-431	-0.17 %
HVDC	730	0.29 %
Interconnection	299	0.12 %
Net Energy	252,365	100.00 %

Fuel Cost

Total Cost:	32,138,049.85 RM
Cost per Unit	13.23 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	364
Hydro	339
Syncon	653
Thermal	291
Total	1,647

Time Weather Temperature

Afternoon	Cloudy	35
Morning	Cloudy	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	11740	11247	10854	10406	10092	9886	9787	9589	9238	9460	9879	10082	10004	9973	10111	10203	10369	10423	10444	10650	12049	12094	11837	11665

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Printed on: Tuesday, February 09, 2016 8:48:36 AM

 (Gurcharan Singh)
 Pengurus Besar Kanan
 Jabatan Sistem Operasi

Daily MW Generation on Monday

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
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	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSIA	HY02	23	23	24	24	24	22	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
BSIA	HY03	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
CEND	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
CEND	HY03	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
HTRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HTRG	HY02	63	63	63	63	63	0	0	0	0	0	0	0	0	0	0	63	63	0	0	0	0	0	0	
KNRG	HY01	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY02	25	26	26	26	26	26	26	26	25	26	26	25	38	38	38	37	37	37	37	37	37	37	37	
KNRG	HY03	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNYR	HY01	0	0	0	0	0	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
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	
KNYR	HY03	99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNYR	HY04	62	90	102	102	65	58	58	59	58	56	74	60	59	63	60	58	58	77	61	69	71	84	70	
LPIA	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
LPIA	HY02	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
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	
PGAU	HY01	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
PGAU	HY02	21	21	21	21	21	21	21	21	21	21	21	21	22	22	22	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY03	29	28	22	22	22	20	18	22	21	16	22	22	22	22	22	22	22	22	-1	-1	-1	-1	-1	
PGAU	HY04	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
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	
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	
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	
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	
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	
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	
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	
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	
TMGR	HY02	34	34	35	38	34	30	27	32	31	30	35	33	31	36	28	32	31	35	31	34	34	36	34	
TMGR	HY03	0	0	0	0	0	0	0	0	33	34	38	37	31	32	32	32	30	33	33	31	33	33	30	
TMGR	HY04	35	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
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	
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	
Total Hydro		589	392	400	403	362	349	298	278	308	300	334	317	307	318	306	321	318	345	361	369	373	342	270	
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	
PCUF	CUFG	2	2	4	3	3	2	2	2	2	3	4	4	3	2	4	2	3	2	2	2	2	2	1	
PCUF	CUFK	19	18	20	18	20	19	18	19	18	18	19	18	18	19	19	20	19	19	19	17	19	19	18	
Total Co-Gen		21	20	24	21	23	21	20	21	20	22	22	21	20	22	21	22	21	22	20	21	20	19	20	
Total Gen		11779	11350	11114	10972	10830	10667	10458	10357	10121	10085	9892	9841	9855	9797	9683	9496	9227	9341	9485	9665	9889	10017		
TIE-BGAT		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	30	31	31	30	30	30	30	30	30	30	31	31	31	31	30	31	31	30	30	30	31	31	
TIE-PLTG		9	-69	-164	-57	-54	-26	21	3	-1	44	-24	12	38	11	64	-50	-42	-48	-6	-5	-21	-24		
Interconnection		39	-39	-133	-26	-24	4	52	33	29	74	6	42	68	41	94	-20	-11	-17	25	26	10	7		
System Total		11740	11389	11247	10998	10854	10663	10406	10324	10092	10011	9886	9799	9787	9756	9589	9516	9238	9358	9460	9639	9879	10010		

Daily MW Generation on Monday

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 ST-Coal		-87	-103	99	136	210	151	160	285	265	266	395	395	245	414	386	362	428	430	532	490	491	488	453	480	433	451	460	457	460	327	258	237	249	243	239	213	274	269	263	213	15	49	24	30	26	31	12	-23	
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	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		198	72	97	77	206	170	388	345	630	657	757	790	917	966	1096	1335	1353	1222	884	742	546	461	441	354	517	508	508	458	440	475	534	393	235	205	188	483	545	673	414	208	71	58	75	114	196	78	28	-62	
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	
SRev Co-Gen		10	11	7	10	8	10	11	10	11	11	9	9	9	10	11	9	8	10	10	8	9	9	10	10	11	10	9	10	9	11	10	11	12	11	13	13	12	11	12	12	11	10	12	12	10	11	10	11	
Syncon		187	273	273	273	273	273	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374		
Hydro		769	654	646	643	684	697	643	642	697	705	671	688	698	687	699	684	687	660	683	675	671	400	237	242	250	251	253	246	248	183	196	64	82	69	80	98	120	154	128	270	533	360	490	582	398	338	176	114	
S.Reserve Total		1077	907	1122	1139	1381	1301	1475	1656	1977	2013	2206	2256	2243	2451	2566	2764	2850	2696	2483	2289	2091	2034	1817	1762	1887	1896	1906	1847	1833	1823	1825	1658	1531	1481	1493	1760	1904	2060	1770	1269	968	966	1090	1227	1270	1260	1179	993	