

Availability at Daily Maximum Demand Hour

ST-Coal	2,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,884 MW
Hydro	1,809 MW
Distillate	0 MW
Total TNB	7,773 MW
Total IPP	9,121 MW
Total Co-Gen	0 MW
Total System	17,464 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	48,293	17.36 %
Gas	55,384	19.91 %
Hydro	20,342	7.31 %
Total TNB	124,019	44.59 %
ST-Coal	90,628	32.59 %
Gas	62,729	22.56 %
Total IPP	153,357	55.14 %
Co-Gen	1,960	0.70 %
Total Co-Gen	1,960	0.70 %
Total Generation	279,336	100.44 %
PLTG	496	0.18 %
HVDC	726	0.26 %
Interconnection	1,222	0.44 %
Net Energy	278,114	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:	20:00:00 Hour
Total Set On Bus	14,107 MW
TNB Generation	5,921 MW
IPP Generation	7,192 MW
Spinning Reserve	914 MW
Maximum Demand	13,176 MW
Net Energy	278,114 MWH
Load Factor	87.94 %

Fuel Cost

Total Cost:	31,532,857.13 RM
Cost per Unit	12.17 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	231
Hydro	275
Syncon	351
Thermal	27
Total	884

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	57
PAKA	96
PGPS	27
SRDG	13
TJGS	216
Total TNB	408
KLPP	72
MPSS	45
PDPS	4
PGLA	109
PKLG	0
SGB3	7
SGRI	131
SKSP	50
YPKA	68
Total IPP	487
Total Gas	895
Total Gas Required	895

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	12455	11980	11462	11008	10821	10662	10594	10500	9975	10361	10976	11553	11560	11504	11813	11811	11959	11675	11477	11688	13177	13158	12876	12676

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																											
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		1003	920	746	713	711	641	600	594	709	679	747	752	748	770	748	718	710	745	738	743	744	740	738	921	925	868	869	874	910	1023	943	887	858	823	805	806	805	802	800	1103	1181	1152	1121	1119	1116	1089	909	831			
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	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	
PCUF	CUFG	44	42	45	44	44	43	42	43	44	44	44	46	44	45	44	44	45	43	43	43	43	42	43	44	45	45	44	45	45	45	45	45	44	43	44	44	45	44	45	45	44	44	45	44	45	44	45	44	45		
PCUF	CUFK	42	41	40	39	40	41	41	40	39	40	39	41	39	40	40	40	40	42	39	40	36	36	36	35	36	35	37	36	36	34	36	34	34	36	35	36	35	37	36	36	36	36	36	36	36	36	36	36	35	37	
Total Co-Gen		86	83	85	83	84	84	83	83	83	84	83	87	83	85	84	84	85	85	82	83	78	79	80	80	81	79	81	81	81	79	80	79	79	81	80	80	78	81	80	81	80	81	80	81	80	81	80	81	79	82	
Total Gen		12474	12314	12028	11757	11517	11320	11061	10953	10905	10843	10710	10737	10640	10765	10577	10289	10060	10264	10429	10822	11015	11320	11596	11719	11629	11620	11520	11683	11849	11933	11828	11874	12001	11871	11809	11668	11568	11519	11733	12644	13193	13199	13212	13075	12923	12862	12659	12534			
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	0	0	0	
TIE-HVDC		30	30	30	30	31	31	30	30	31	31	30	30	30	30	31	31	31	31	31	31	31	31	31	31	31	30	30	30	30	31	31	30	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
TIE-PLTG		-11	48	18	-26	24	-18	23	10	54	77	18	37	16	17	47	33	54	17	38	17	9	4	12	39	39	17	-14	-17	6	36	-13	27	12	94	103	41	60	-40	15	-16	-14	77	24	38	17	37	-47	-46			
Interconnection		19	78	48	4	55	13	53	40	84	108	48	67	46	47	77	63	85	47	68	47	39	34	43	70	69	48	16	13	36	66	17	57	42	124	134	71	91	-10	45	14	16	107	54	68	47	67	-17	-16			
System Total		12485	12236	11980	11753	11462	11307	11008	10913	10821	10735	10662	10670	10594	10718	10500	10226	9975	10217	10361	10775	10976	11286	11553	11649	11560	11572	11504	11670	11813	11867	11811	11817	11959	11747	11675	11597	11477	11529	11688	12630	13177	13092	13158	13007	12876	12795	12676	12550			
SRev ST-Coal		41	50	38	62	38	58	56	53	81	64	189	177	188	193	191	306	408	367	303	133	102	62	-118	-37	39	34	24	40	35	38	61	49	-21	77	75	65	63	111	79	64	46	90	99	77	91	93	70	108			
SRev OCGT-Gas		80	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 CCGT-Gas		358	209	217	219	342	388	607	712	847	897	972	863	941	835	1002	1145	1262	1137	1141	959	665	325	228	307	389	344	457	283	158	259	252	151	158	418	463	758	857	813	653	342	275	303	172	332	195	144	64	69			
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	0
SRev Co-Gen		-10	-7	-9	-7	-8	-8	-7	-7	-7	-8	-7	-11	-7	-9	-8	-8	-9	-9	-6	-7	-2	-3	-4	-4	-5	-3	-5	-5	-5	-3	-4	-3	-3	-5	-4	-4	-2	-5	-4	-5	-4	-5	-5	-4	-4	-5	-3	-6			
Syncon		453	302	346	639	639	639	639	639	488	639	639	639	639	488	639	488	639	639	639	639	639	639	639	488	639	639	639	337	337	337	337	337	337	337	337	337	337	337	337	337	337	337	337	337	337	337	337	337	337		
Hydro		284	508	343	283	285	305	296	302	438	317	299	294	298	427	298	479	336	326	333	328	327	331	333	273	398	304	240	235	501	338	442	498	503	513	531	530	531	534	536	326	428	457	186	188	191	170	350	332			
S.Reserve Total		1206	1062	1240	1301	1296	1382	1591	1699	1847	1909	2092	1962	2059	1934	2122	2410	2636	2460	2410	2052	1731	1354	1078	1180	1309	1318	1355	1192	1026	969	1068	1032	974	1340	1402	1686	1786	1790	1601	1047	914	1017	1004	1141	1080	854	934	1049			