

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,089 MW
Hydro	1,604 MW
Distillate	0 MW
Total TNB	7,763 MW
Total IPP	10,519 MW
Total Co-Gen	0 MW
Total System	18,567 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	48,742	17.23 %
Gas	52,651	18.61 %
Hydro	5,465	1.93 %
Total TNB	106,858	37.76 %
ST-Coal	108,224	38.25 %
Gas	67,881	23.99 %
Total IPP	176,105	62.24 %
Co-Gen	1,478	0.52 %
Total Co-Gen	1,478	0.52 %
Total Generation	284,441	100.52 %
PLTG	759	0.27 %
EGAT	-1	0.00 %
HVDC	727	0.26 %
Interconnection	1,485	0.52 %
Net Energy	282,956	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:	21:00:00 Hour
Total Set On Bus	14,232 MW
TNB Generation	4,911 MW
IPP Generation	8,129 MW
Spinning Reserve	1,125 MW
Maximum Demand	13,100 MW
Net Energy	282,956 MWH
Load Factor	89.99 %

Fuel Cost

Total Cost:	36,255,698.42 RM
Cost per Unit	12.99 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	341
Hydro	130
Syncon	567
Thermal	26
Total	1,064

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	51
PAKA	91
PGPS	26
SRDG	3
TJGS	214
Total TNB	387
KLPP	73
MPSS	31
PGLA	50
PLPS	41
SGRI	158
SKSP	10
YPGS	58
YPKA	114
Total IPP	534
Total Gas	921

Total Gas Required 921

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	12959	12287	11882	11645	11274	11047	10851	10618	10325	10745	11383	11846	11835	11747	11894	11920	11906	11697	11497	11938	13061	13101	12850	12547



Daily MW Generation on Sunday

Table with columns for Station, Unit, and hourly generation (0000-2300). Rows include various power stations like JMAH, JMUG, PKLG, TBN, GLGR, MPSS, PAKA, PGLA, PGPS, SGRI, and TJGS.

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
TJGS	GT1B	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222
TJGS	GT2A	218	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221
TJGS	GT2B	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216
TJGS	ST1C	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259
TJGS	ST2C	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263
YPGS	GT11	121	95	98	96	97	95	99	96	97	99	95	93	101	97	97	97	98	103	102	103	96	97	95	96
YPGS	GT12	131	99	100	101	101	99	103	101	100	104	97	97	103	103	101	100	101	101	108	108	106	99	100	98
YPGS	ST10	137	125	119	122	119	121	121	122	120	120	116	116	120	120	121	121	121	121	126	120	120	120	121	121
YPKA	BLK1	362	318	307	308	308	312	312	316	316	303	303	296	308	312	312	300	312	315	315	313	325	314	314	310
YPKA	BLK2	374	330	317	320	320	321	321	322	322	312	312	305	317	319	319	308	319	324	324	323	323	324	324	321
Total CCGT-Gas		6086	5837	5576	5366	5194	4975	4899	4560	4531	4388	4353	4337	4121	4207	4022	3807	3861	4007	4142	4347	4631	4961	5045	
SRDG	GT02	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	
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	
BSIA	HY01	13	13	12	13	12	13	13	13	12	12	12	13	13	12	12	13	12	12	12	12	12	13	13	
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	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
KNRG	HY03	23	22	22	23	20	23	22	23	22	21	20	21	22	23	23	23	22	22	23	21	21	22	22	
KNYR	HY01	67	60	60	63	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	HY04	0	0	0	0	63	59	62	61	57	54	55	58	62	59	54	60	62	63	65	61	62	61	60	
LPIA	HY01	10	9	8	9	8	9	8	9	8	7	7	8	9	8	9	9	10	9	9	9	8	8	8	
LPIA	HY02	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
MNOR	HY01	4	4	4	4	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY02	-1	-1	-1	-1	-1	-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	
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	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	35	31	31	33	28	34	30	33	30	28	28	28	31	33	30	25	31	33	33	34	35	32	32	
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	
TMGR	HY04	-1	-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	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Total Hydro		184	171	169	177	169	177	167	175	169	161	156	158	166	197	166	153	169	175	201	177	182	172	198	
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	CUF6	37	36	37	37	35	36	35	36	37	36	37	35	36	36	36	35	36	34	33	33	30	30	33	
PCUF	CUFK	32	33	33	34	34	33	36	36	35	38	37	36	36	33	35	37	35	34	32	32	29	28	28	
Total Co-Gen		69	69	70	71	69	69	71	71	71	75	73	73	72	70	70	73	71	70	67	68	66	62	61	
Total Gen		12951	12638	12368	12183	11986	11770	11699	11387	11328	11180	11139	11114	10914	11052	10837	10385	10339	10502	10773	11166	11452	11765	11908	
TIB-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TIB-HVDC		31	31	31	30	30	30	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	
TIB-PLTG		-59	67	50	-4	-74	-39	-24	-57	-23	25	61	91	33	63	188	108	-16	10	-1	25	38	38		



Sunday, September 14, 2014

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																									
Interconnection		-28	98	81	26	104	-9	54	-27	54	55	92	122	63	95	219	139	14	41	28	56	69	70	62	38	95	85	92	-5	15	69	103	73	92	72	74	43	81	-41	90	23	39	83	6	63	104	114	57	26	
System Total		12959	12540	12287	12157	11882	11779	11645	11414	11274	11125	11047	10992	10851	10957	10618	10216	10325	10461	10745	11110	11383	11695	11846	11964	11835	11750	11747	11828	11894	11911	11920	11905	11986	11905	11697	11645	11497	11604	11938	12963	13061	13043	13101	12957	12850	12630	12547	12258	
SRev ST-Coal		4	35	43	27	42	47	34	15	39	40	39	50	41	18	17	274	358	346	233	22	23	26	8	27	28	31	32	43	23	24	33	34	39	43	53	37	24	31	37	19	49	41	51	40	47	37	32	49	
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		422	252	513	372	380	599	675	1014	1043	1186	1221	1237	1453	1367	1552	1767	1713	1381	1261	1056	772	582	567	436	501	591	571	576	511	458	389	435	408	443	591	703	839	844	729	297	279	214	200	232	239	463	195	265	
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
SRev Co-Gen		7	7	6	5	7	7	5	5	5	1	3	3	4	6	6	3	5	6	9	8	10	14	15	17	17	19	34	39	40	40	33	34	36	38	38	25	15	15	13	14	12	10	9	9	11	9	9	8	
Syncon		719	719	719	719	568	719	719	719	719	719	719	719	568	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	
Hydro		144	157	159	151	310	151	161	153	159	167	172	170	162	282	162	175	159	153	278	151	146	156	155	155	161	161	161	156	154	286	159	156	156	287	159	159	156	159	155	206	137	166	130	156	162	160	141	150	
S.Reserve Total		1296	1170	1440	1274	1307	1523	1594	1906	1965	2113	2154	2179	2379	2241	2456	2938	2954	2605	2349	1956	1670	1497	1448	1354	1426	1521	1517	1533	1447	1376	1333	1378	1388	1379	1560	1643	1753	1768	1653	1149	1261	1235	1125	1212	1178	1388	1096	1191	