

Availability at Daily Maximum Demand Hour

ST-Coal	2,920 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,054 MW
Hydro	1,604 MW
Distillate	0 MW
Total TNB	8,578 MW
Total IPP	9,986 MW
Total Co-Gen	76 MW
Total System	19,157 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	65,656	20.92 %
Gas	52,236	16.65 %
Hydro	5,733	1.83 %
Total TNB	123,625	39.39 %
ST-Coal	84,923	27.06 %
Gas	105,221	33.53 %
Total IPP	190,144	60.59 %
Co-Gen	1,423	0.45 %
Total Co-Gen	1,423	0.45 %
Total Generation	315,192	100.44 %
PLTG	640	0.20 %
HVDC	729	0.23 %
Interconnection	1,369	0.44 %
Net Energy	313,823	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	15,529 MW
TNB Generation	5,675 MW
IPP Generation	8,529 MW
Spinning Reserve	1,269 MW
Maximum Demand	14,248 MW
Net Energy	313,823 MWH
Load Factor	91.77 %

Fuel Cost

Total Cost:	47,390,312.51 RM
Cost per Unit	15.32 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	427
Hydro	164
Syncon	688
Thermal	75
Total	1,354

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	56
PAKA	47
PGPS	50
SRDG	27
TJGS	212
Total TNB	391
KLPP	96
MPSS	63
PGLA	114
PKLG	22
PLPS	107
SGB3	6
SGRI	160
SKSP	52
YPGS	70
YPKA	137
Total IPP	828
Total Gas	1,219
Total Gas Required	1,219

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	13524	12966	12399	12200	11809	11655	11725	11437	11212	12458	13127	14023	14080	13867	14004	14003	14029	13612	13114	13254	14098	13841	13728	13238

Daily MW Generation on Saturday

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	0	0	0	2	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6															
Total Hydro		183	198	188	183	178	184	205	191	185	207	186	177	175	196	175	173	191	249	260	261	251	399	451	482	471	241	240	246	376	379	261	256	259	263	246	156	147	168	175	235	375	152	168	167	183	173	170	172		
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	
PCUF	CUFG	21	23	23	22	23	22	24	23	23	23	23	22	24	24	24	24	23	24	25	24	24	23	23	23	22	22	23	22	22	22	21	23	22	22	22	22	22	22	21	22	22	22	23	22	22	22	22			
PCUF	CUFK	39	40	41	41	40	42	42	40	41	40	42	40	40	41	39	40	41	41	39	40	34	32	32	32	33	32	32	31	32	34	31	32	33	32	31	36	34	35	35	35	33	34	35	36	37	38	39	40		
Total Co-Gen		60	63	64	63	63	64	64	64	64	63	65	63	62	65	63	64	65	65	62	64	59	56	56	55	56	55	54	53	55	56	53	55	55	54	53	57	57	57	57	57	55	56	56	58	59	60	62	62		
Total Gen		13695	13423	13041	12825	12482	12565	12210	12021	11870	11816	11716	11668	11758	11732	11562	11119	11246	11930	12472	12962	18151	13845	14028	14221	14128	13900	13923	13982	14059	14260	14076	14033	14034	13914	13694	13491	13227	13203	13254	14021	14204	14151	13899	13846	13754	13577	13293	13073		
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	
TIE-HVDC		30	30	31	31	31	31	31	31	30	30	31	31	30	30	30	30	31	31	30	30	30	31	31	30	30	30	30	31	31	31	31	30	30	29	29	31	31	30	30	30	29	31	31	30	30	29	31	31	31	31
TIE-PLTG		140	136	45	27	52	45	-21	-1	31	68	30	66	3	53	95	63	4	19	-16	29	-7	-76	-35	-22	18	33	26	-47	25	-19	41	-65	-25	-30	52	79	85	69	-31	-36	76	68	28	81	-6	40	24	56		
Interconnection		171	167	75	58	83	76	10	30	61	98	61	97	33	83	125	94	34	49	14	59	24	-45	5	8	48	63	56	-18	55	12	73	-34	5	1	82	109	113	98	0	-5	106	98	58	110	26	71	55	87		
System Total		13824	13256	12966	12767	12399	12289	12200	11991	11809	11718	11655	11571	11725	11649	11437	11025	11212	11881	12458	12903	13127	13890	14023	14213	14080	13837	13867	14000	14004	14248	14003	14067	14029	13913	13612	13382	13114	13105	13254	14026	14098	14053	13841	13736	13728	13506	13238	12986		
SRev ST-Coal		72	179	180	206	189	179	178	180	183	189	186	138	74	59	76	341	305	180	173	121	126	56	-7	24	34	58	94	74	86	84	86	67	81	101	159	158	140	130	34	18	83	75	75	74	51	71	129	137		
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	87	11	12	10	16	116	115	9	9	11	7	11	8	107	113	112	114	8	4	6	119	12	5	0	0	0	0	
SRev CCGT-Gas		369	367	514	573	741	812	989	1162	1304	1373	1457	1542	1513	1578	1708	2025	1953	1452	1070	775	715	205	155	161	233	168	280	336	380	291	352	409	401	378	472	490	682	738	788	303	423	350	405	486	396	408	328	473		
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		16	13	12	13	13	12	12	12	12	13	11	13	14	11	13	12	11	11	14	12	17	20	20	21	20	21	22	23	21	20	23	21	21	22	23	19	19	19	19	19	21	20	20	18	17	16	14	14		
Syncon		724	724	724	724	724	573	724	724	573	724	724	724	724	724	724	724	724	724	724	724	724	724	640	640	640	724	724	724	724	724	724	724	724	724	724	724	724	573	573	573	573	724	724	724	724	724	724	724		
Hydro		123	129	118	123	127	122	252	116	121	250	120	128	131	260	134	136	119	136	125	124	133	238	169	136	147	125	126	120	140	133	327	185	182	178	195	135	144	274	267	210	286	133	133	134	118	128	131	129		
S.Reserve Total		1304	1412	1548	1639	1794	1849	2004	2194	2344	2398	2498	2545	2456	2481	2655	3238	3112	2503	2106	1786	1715	1892	1064	993	1086	1114	1270	1401	1474	1269	1378	1421	1420	1418	1585	1637	1826	1850	1799	1135	1394	1312	1480	1452	1315	1351	1330	1481		