

Availability at Daily Maximum Demand Hour

ST-Coal	2,013 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,308 MW
Hydro	1,741 MW
Distillate	0 MW
Total TNB	<u>8,062 MW</u>
Total IPP	<u>10,155 MW</u>
Total Co-Gen	<u>88 MW</u>
Total System	<u>18,305 MW</u>

Generation Mix

Type	MWh	Percentage
ST-Coal	48,196	14.70 %
Gas	75,320	22.98 %
Hydro	11,725	3.58 %
Total TNB	135,241	41.26 %
ST-Coal	91,663	27.97 %
ST-Gas	5,685	1.73 %
Gas	94,451	28.82 %
Total IPP	191,799	58.52 %
Co-Gen	1,375	0.42 %
Total Co-Gen	1,375	0.42 %
Total Generation	328,415	100.20 %
PLTG	-72	-0.02 %
HVDC	712	0.22 %
Interconnection	640	0.20 %
Net Energy	327,775	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:	11:30:00 Hour
Total Set On Bus	16,425 MW
TNB Generation	6,551 MW
IPP Generation	8,758 MW
Spinning Reserve	1,079 MW
Maximum Demand	15,313 MW
Net Energy	327,775 MWH
Load Factor	89.19 %

Fuel Cost

Total Cost:	51,795,405.01 RM
Cost per Unit	16.35 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	373
Hydro	215
Syncon	601
Thermal	33
Total	1,222

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	6
CBPS	47
GLGR	56
PAKA	186
PGPS	42
SRDG	24
TJGS	218
Total TNB	579
KLPP	103
MPSS	53
PDPS	8
PGLA	103
PLPS	98
PTEK	6
SGB3	93
SGRI	71
YPGS	70
YPKA	136
PKLG	56
Total IPP	796
Total Gas	1,376
Total Gas Required	1,376

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	13452	12871	12402	11985	11880	11607	11708	11792	11979	13564	14669	15171	15058	14667	14762	15210	15208	14850	13970	13684	14772	14546	14163	13717

Daily MW Generation on Friday

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
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	HY01	-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	HY02	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
TMGR	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
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	-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	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	2
Total Hydro		190	208	198	245	240	192	236	312	324	323	341	347	443	438	447	418	439	453	478	512	492	624	794	803
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	41	40	40	42	42	41	42	41	40	41	41	41	43	40	41	43	41	40	39	37	38	38	38	39
PCUF	CUFK	21	23	25	25	22	24	23	23	22	21	25	26	24	25	26	4	4	3	3	2	2	1	-1	0
Total Co-Gen		62	63	65	67	64	65	65	64	62	62	66	67	65	68	65	67	47	45	43	42	39	40	39	37
Total Gen		13488	13146	12951	12554	12400	12286	12012	11848	11909	11701	11679	11643	11722	11976	11915	11711	11995	13023	13590	14225	14631	14937	15199	
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	30	30	31	31	31	31	30	30	31	31	30	30	30	30	31	31	31	31	30	30	29	
TIE-PLTG		6	45	49	-30	-33	32	-4	89	-1	71	41	-29	-16	22	92	8	-14	49	-3	16	-68	-1		
Interconnection		36	75	80	0	-2	63	27	120	29	101	72	2	14	52	123	39	16	79	26	45	-38	29		
System Total		13452	13071	12871	12554	12402	12223	11985	11728	11880	11600	11607	11641	11708	11924	11792	11672	11979	12944	13564	14190	14669	14908		
SRev ST-Coal		39	51	47	42	19	56	44	44	58	106	67	32	37	41	56	48	37	47	14	29	-7	28		
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	
SRev CCGT-Gas		580	183	314	714	888	921	1218	1373	1302	1451	1533	1611	1621	1361	1413	1558	1725	1072	927	411	314	247		
SRev ST-Gas		-15	17	20	-12	5	2	35	38	38	38	37	37	38	38	37	37	34	15	-3	1	0	0		
SRev Co-Gen		26	25	23	21	24	23	23	24	26	26	22	21	23	20	23	21	41	43	45	46	49	48		
Syncon		827	827	827	525	827	827	827	625	625	474	625	625	474	625	625	625	474	625	474	625	625	474	625	
Hydro		124	106	116	391	94	122	98	204	192	344	175	169	224	178	169	198	177	314	138	255	209	269		
S.Reserve Total		1581	1209	1347	1681	1857	1951	2245	2308	2261	2459	2479	2515	2437	2263	2323	2487	2639	1965	1746	1216	1236	1233		