

Availability at Daily Maximum Demand Hour

ST-Coal	2,970 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,921 MW
Hydro	1,670 MW
Distillate	0 MW
Total TNB	8,561 MW
Total IPP	10,680 MW
Total Co-Gen	0 MW
Total System	19,808 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	61,925	18.98 %
Gas	48,809	14.96 %
Hydro	10,317	3.16 %
Total TNB	121,051	37.10 %
ST-Coal	111,223	34.09 %
Gas	92,893	28.47 %
Total IPP	204,116	62.56 %
Co-Gen	1,224	0.38 %
Total Co-Gen	1,224	0.38 %
Total Generation	326,391	100.03 %
PLTG	98	0.03 %
Interconnection	98	0.03 %
Net Energy	326,293	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:	16:00:00 Hour
Total Set On Bus	16,810 MW
TNB Generation	6,047 MW
IPP Generation	9,475 MW
Spinning Reserve	1,239 MW
Maximum Demand	15,564 MW
Net Energy	326,293 MWH
Load Factor	87.35 %

Fuel Cost

Total Cost:	43,570,433.89 RM
Cost per Unit	13.79 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	328
Hydro	305
Syncon	527
Thermal	60
Total	1,220

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	24

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	12893	12287	11777	11495	11105	11011	11113	11494	11687	13534	14392	15021	15083	14888	15230	15373	15564	15228	14157	13805	14922	14923	14586	14192

Gas Usage

Station	(mmscfd)
CBPS	3
CBPS	7
GLGR	55
PGPS	50
SRDG	53
TJGS	206
Total TNB	375
KLPP	97
MPSS	52
PDPS	16
PGLA	87
PLPS	95
PTEK	5
SGRI	190
YPGS	56
YPKA	131
Total IPP	730
Total Gas	1,104
Total Gas Required	1,104

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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																											
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4															
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	4	4	4	4	4	4	4	4	4	4	4	4	4	4													
Total Hydro		247	273	257	305	255	214	174	168	178	181	176	179	235	183	157	181	198	292	371	380	548	581	716	737	590	497	575	614	665	648	656	685	710	752	926	439	349	345	547	577	561	559	491	494	494	459	417				
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			
PCUF	CUFG	9	11	10	11	12	10	9	11	13	12	13	12	13	14	15	12	15	13	12	12	12	12	12	11	12	12	11	11	12	12	11	11	10	11	10	11	11	10	11	11	11	13	12	13	12	11	13	13	12		
PCUF	CUFK	41	40	39	38	41	39	40	39	41	41	42	40	39	41	40	40	41	39	39	40	41	40	39	38	39	38	38	37	35	36	36	38	39	38	39	39	40	40	42	39	39	39	40	39	39	40	39	40	39	40	
Total Co-Gen		50	51	49	49	53	49	49	50	54	53	55	52	52	55	55	52	56	52	51	52	53	52	51	49	51	50	49	48	47	48	47	49	49	49	50	51	50	53	50	52	51	53	51	53	51	50	53	52	52		
Total Gen		12911	12459	12277	11987	11750	11596	11496	11318	11114	11111	11051	11114	11135	11328	11538	11291	11646	12895	13536	13975	14381	14748	15035	15300	15089	15051	14873	15021	15258	15510	15413	15538	15671	15403	15350	14651	14149	13802	13744	14610	14938	14967	14897	14764	14600	14319	14171	13772			
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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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-PLTG		18	-31	-10	-17	-27	-22	1	35	9	18	40	-28	20	-56	44	109	-41	52	2	18	-11	-7	12	11	6	22	-15	-29	28	2	40	51	7	-2	122	9	-8	-27	-61	-75	16	6	-26	44	14	-46	-21	0			
Interconnection		18	-31	-10	-17	-27	-22	1	35	9	18	40	-28	20	-56	44	109	-41	52	2	18	-11	-7	12	11	6	22	-15	-29	28	2	40	51	7	-2	122	9	-8	-27	-61	-75	16	6	-26	44	14	-46	-21	0			
System Total		12893	12490	12287	12004	11777	11618	11495	11283	11105	11093	11011	11142	11113	11384	11494	11182	11687	12843	13534	13957	14392	14755	15021	15289	15083	15029	14888	15050	15230	15508	15373	15487	15564	15405	15228	14642	14157	13829	13805	14685	14922	14961	14923	14720	14586	14365	14192	13772			
SRev ST-Coal		131	100	107	121	102	103	104	23	314	314	343	309	340	273	26	111	207	50	50	56	34	40	39	47	47	41	38	32	36	31	93	86	100	77	197	45	3	54	34	50	44	45	45	44	35	32	44	41			
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	8	11	12	12	42	127	37	26	51	22	30	180	237	129	294	294	294	168	50	47	46	50	10	109	125	0				
SRev CCGT-Gas		561	653	580	774	984	1092	1151	1405	1477	1482	1510	1478	1431	1362	1477	1708	1605	1237	958	723	349	288	111	75	308	204	261	239	126	136	208	129	201	458	376	510	563	868	945	398	191	182	134	194	191	255	113	257			
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		26	25	27	27	23	27	27	26	22	23	21	24	24	21	21	24	20	24	25	24	23	24	25	27	25	26	27	28	29	28	29	27	27	27	27	26	25	26	23	26	24	25	23	25	23	25	26	23	24	24	
Syncon		720	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720	569	619	619	619	619	619	468	468	468	619	619	619	619	468	468	468	166	166	151	536	536	536	536	536	619	619	619	619	619	468	619			
Hydro		128	102	119	71	120	86	127	135	123	120	125	125	122	66	118	144	120	254	210	206	197	179	228	245	374	296	238	310	271	305	450	442	415	740	723	489	147	260	241	214	234	167	169	131	128	129	190	81			
S.Reserve Total		1566	1600	1553	1713	1949	2028	2129	2307	2656	2659	2719	2656	2637	2442	2362	2707	2672	2134	1862	1628	1222	1233	1030	873	1234	1047	1225	1355	1118	1145	1299	1174	1239	1648	1726	1350	1568	2038	2073	1392	1079	1085	1036	1063	1009	1167	964	1022			