

Availability at Daily Maximum Demand Hour

ST-Coal	2,050 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,803 MW
Hydro	1,717 MW
Distillate	0 MW
Total TNB	7,570 MW
Total IPP	9,072 MW
Total Co-Gen	0 MW
Total System	16,642 MW

Maximum Demand Record

Date: 6/11/2014	16,901 MW
Date: 6/24/2014	355,911 MWH

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
CBPS	34	Total	0
CBPS	57		
GLGR	38		
PAKA	179		
PGGS	14		
PGPS	43		
SRDG	63		
TJGS	168		
Total TNB	595		
KLPP	107		
MPSS	54		
PDPS	50		
PGLA	114		
PKLG	26		
PLPS	105		
PTEK	50		
SGB3	92		
SGRI	195		
SKSP	2		
YPGS	68		
YPKA	135		
PKLG	108		
Total IPP	1,105		
Total Gas	1,700		
Total Gas Required	1,700		

Alternate Fuel Usage

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	16,651 MW
TNB Generation	7,147 MW
IPP Generation	8,671 MW
Spinning Reserve	788 MW
Maximum Demand	16,196 MW
Net Energy	335,779 MWH
Load Factor	86.38 %

Generation Mix

Type	MWh	Percentage
ST-Coal	51,655	15.38 %
Gas	73,092	21.77 %
Hydro	21,656	6.45 %
Total TNB	146,403	43.60 %
ST-Coal	53,843	16.04 %
ST-Gas	11,049	3.29 %
Gas	123,536	36.79 %
Total IPP	188,428	56.12 %
Co-Gen	1,056	0.31 %
Total Co-Gen	1,056	0.31 %
Total Generation	335,887	100.03 %
PLTG	85	0.03 %
EGAT	-1	0.00 %
HVDC	24	0.01 %
Interconnection	108	0.03 %
Net Energy	335,779	100.00 %

Fuel Cost

Total Cost:	67,888,346.33 RM
Cost per Unit	21.59 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	587
Hydro	222
Syncon	135
Thermal	33
Total	977

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	28

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	12966	12381	11948	11722	11348	11254	11343	11488	12082	13999	14909	15596	15650	15415	15938	16098	16186	15881	14591	14374	15395	15254	14795	14491

Daily MW Generation on Wednesday

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
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	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	0
BSIA	HY01	12	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSIA	HY02	11	12	12	11	12	12	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSIA	HY03	11	11	11	11	0	0	0	0	13	12	13	14	12	13	12	13	22	12	12	22	22	22	22	
CEND	HY02	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	
CEND	HY04	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
KNRG	HY01	23	23	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY02	23	23	23	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY03	23	23	23	23	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	
KNYR	HY01	-1	-1	-1	-1	-1	-1	-1	67	65	61	63	64	60	61	-1	-1	54	61	63	99	99	99	99	
KNYR	HY02	96	97	103	69	97	94	90	103	66	65	60	62	64	59	61	58	62	80	61	62	99	102	102	
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94	101	100	100	100	100	100	
KNYR	HY04	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	99	99	99	99	99	99	
LPIA	HY01	15	15	15	15	15	15	15	15	15	15	15	15	15	7	8	8	8	7	16	16	16	16	16	
LPIA	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	5	5	5	5	5	5	5	5	5	5	
PGAU	HY01	21	21	21	21	0	0	0	0	0	0	0	0	0	0	0	0	83	113	113	113	141	112	113	
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	141	-1	-1	110	111	111	
PGAU	HY04	21	22	22	22	22	22	22	22	22	22	22	22	22	-1	-1	-1	81	113	112	140	82	82	82	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	0	0	0	50	50	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	30	30	30	46	50	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	30	30	30	30	30	
SYPS	HY01	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	0	0	0	25	25	
SYPS	HY02	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	0	0	0	25	25	
SYPS	HY03	24	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	24	16	16	16	24	24	
SYPS	HY04	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	16	16	16	25	25	25	
TMGR	HY01	29	34	33	29	34	35	36	37	38	35	29	36	36	29	33	28	32	27	41	40	65	73	72	
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	0	0	31	24	61	88	
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	35	-1	-1	-1	-1	-1	-1	-1	-1	27	37	38	62	71	72	73	
TMGR	HY04	77	80	83	-1	-1	-1	-1	38	37	33	35	-1	-1	-1	-1	-1	30	39	40	62	70	69	70	
UPIA	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
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	
Total Hydro		560	514	422	265	258	256	253	267	397	332	312	326	271	253	261	190	251	573	557	648	848	1104	1248	
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	CUFPG	14	13	13	13	22	28	34	38	39	40	41	42	42	41	41	41	38	38	36	35	34	34	35	
PCUF	CUFK	9	8	7	9	9	9	10	9	9	8	9	8	9	9	10	9	8	9	7	8	7	8	10	
Total Co-Gen		23	21	20	22	31	37	44	47	48	48	50	50	51	50	51	51	49	50	50	48	47	45	43	
Total Gen		13059	12723	12450	12173	12008	11869	11729	11566	11384	11331	11276	11359	11308	11498	11517	11599	12077	13261	14024	14512	14934	15358	15655	
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	
TIE-HVDC		31	31	31	31	31	31	31	31	30	30	30	30	30	31	31	31	31	31	31	31	31	31	31	
TIE-PLTG		62	-8	38	42	30	-16	-24	-46	5	26	-9	-48	-65	-17	-1	33	-35	65	-6	5	-6	8	28	
Interconnection		93	23	69	72	60	14	7	-16	36	56	22	-18	-35	13	29	64	-5	96	25	35	25	39	59	
System Total		12966	12700	12381	12101	11948	11855	11722	11582	11348	11275	11254	11377	11343	11485	11488	11535	12082	13165	13999	14477	14909	15319	15596	
SRev ST-Coal		101	92	89	98	95	89	91	56	31	10	28	16	6	21	32	43	25	84	75	31	50	4	12	

Daily MW Generation on Wednesday

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																									
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	141	172	186	308	390	451	348	385	375	426	475	301	205	121	358	344	383	313	361	403	384	370	264	344	205	225	321	412	263	319	215					
SRev CCGT-Gas		916	1213	871	1104	1274	1268	1410	1275	799	808	827	770	777	639	761	1384	982	839	505	122	214	121	154	141	251	214	262	149	267	191	183	182	190	229	504	532	489	409	515	310	301	357	573	427	472	444	457	553	
SRev ST-Gas		72	72	72	72	71	71	72	72	72	72	71	71	71	74	75	75	75	82	32	6	4	4	5	18	21	22	26	0	1	1	-1	1	-6	2	-1	1	1	1	1	1	-1	1	1	-2	0	1	1	0	0
SRev Co-Gen		21	23	24	22	13	7	0	-3	-4	-4	-6	-6	-7	-6	-7	-7	-5	-6	-6	-4	-3	-1	1	1	1	-1	1	-1	1	0	1	0	-3	-1	-1	-2	-2	-2	-4	-2	-4	-2	-3	-3	-2	-2	-4	-3	
Syncon		489	489	489	575	575	575	575	575	151	388	388	388	625	625	625	726	726	453	453	302	302	302	302	302	302	0	151	302	0	0	0	0	0	0	0	0	0	237	388	388	151	151	151	0	0	0	0	0	0
Hydro		456	402	394	403	198	200	203	189	483	311	331	317	135	153	145	115	104	256	295	455	255	199	137	137	146	141	309	222	186	228	163	236	228	167	174	332	249	363	364	339	201	199	329	275	215	266	233	255	
S.Reserve Total		2055	2291	1939	2274	2226	2210	2351	2164	1532	1585	1639	1556	1607	1506	1631	2336	1907	1849	1526	1098	1130	1019	1062	936	1141	773	1224	1183	811	656	500	813	751	788	1015	1258	1400	1575	1655	1065	1032	961	1155	1044	1119	997	1036	1045	