

Daily System Generation Summary on Friday

Friday, October 10, 2014

Availability at Daily Maximum Demand Hour

ST-Coal	2,220 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,733 MW
Hydro	1,746 MW
Distillate	567 MW
Total TNB	8,266 MW
Total IPP	10,439 MW
Total Co-Gen	0 MW
Total System	18,705 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	50,961	15.29 %
Gas	73,248	21.98 %
Hydro	19,138	5.74 %
Distillate	3,860	1.16 %
Total TNB	147,207	44.18 %
ST-Coal	89,121	26.75 %
ST-Oil	12,487	3.75 %
Gas	61,197	18.37 %
Distillate	21,466	6.44 %
Total IPP	184,271	55.30 %
Co-Gen	886	0.27 %
Total Co-Gen	886	0.27 %
Total Generation	332,364	99.74 %
PLTG	-155	-0.05 %
HVDC	-701	-0.21 %
Interconnection	-856	-0.26 %
Net Energy	333,220	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	16,867 MW
TNB Generation	7,446 MW
IPP Generation	8,408 MW
Spinning Reserve	987 MW
Maximum Demand	15,932 MW
Net Energy	333,220 MWH
Load Factor	87.15 %

Fuel Cost

Total Cost:	61,824,454.00 RM
Cost per Unit	19.70 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	406
Hydro	261
Syncon	191
Thermal	41
Total	899

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
CBPS	0
CBPS	58
GLGR	61
PAKA	172
PGGS	0
PGPS	43
SRDG	40
TJGS	198
Total TNB	573
KLPP	55
MPSS	57
PLPS	105
PTEK	9
SGRI	161
SKSP	42
YPKA	69
Total IPP	499
Total Gas	1,072
Total Gas Required	1,430

Alternate Fuel Usage

Station	(mmscfd)
CBPS	27
PDPS	43
PGGS	17
PTEK	23
KLPP	77
SGRI	51
PKLG	121
Total	359

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	13466	12815	12384	12015	11758	11630	11668	11668	12075	13767	14874	15471	15266	14867	15054	15743	15932	15498	14311	14304	15086	14841	14310	14023

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	50	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	38	55	49	59	49	46	47	35	37	43	47	49	80	82	48	68	72	49	81	34	57	62	79	80
TMGR	HY02	82	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	80	32	30	32	32	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	76	34	33	35	34	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPLA	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
UPLA	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		1180	941	932	913	843	564	454	260	263	223	251	242	293	385	339	259	262	446	720	788	830	1068	1436	1305
CBPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CBPS	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
CBPS	GT06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	GT13	141	141	141	142	142	143	143	144	144	142	142	143	143	145	145	143	143	143	143	143	142	143	143	143
KLPP	GT15	126	128	126	126	127	127	127	128	128	128	128	128	128	129	129	128	128	127	127	128	130	129	129	129
PDPS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGGS	GT6A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGGS	GT6B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT23	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 Distillate		267	269	267	268	269	270	270	271	272	270	271	270	274	274	379	526	740	1122	1423	1461	1465	1677	1560	1660
PCUF	CUFG	9	8	9	10	10	10	10	10	11	11	12	11	12	11	11	11	10	9	10	9	9	7	6	5
PCUF	CUFK	35	34	35	34	36	33	33	34	35	33	33	32	32	33	34	31	32	31	25	26	25	25	27	24
Total Co-Gen		44	42	44	44	46	43	43	44	44	44	43	45	46	44	45	42	42	40	35	35	34	32	33	29
Total Gen		13499	13153	12803	12558	12352	12073	11977	11762	11763	11543	11608	11464	11617	11698	11604	11497	12060	12961	13667	14377	14773	15062	15439	
TIE-BGAT		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		-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-28	-28	-29	-29	-29	-29	-28	-28	-28	-30	-30	-28	-30	-31
TIE-PLTG		62	-11	17	-21	-3	-25	-9	40	34	-40	6	-58	-21	-32	-34	-55	14	-38	-71	139	-70	8	-2	-46
Interconnection		33	-41	-12	-50	-32	-53	-38	10	5	-69	-22	-86	-51	-61	-64	-84	-15	-67	-100	111	-101	-23	-32	
System Total		13466	13194	12815	12608	12384	12126	12015	11752	11758	11612	11630	11550	11668	11759	11608	11581	12075	13028	13767	14266	14874	15085	15471	
SRev ST-Coal		41	25	20	18	35	33	34	33	34	27	25	26	20	27	39	25	35	24	24	52	19	30	10	18
SRev ST-Oil		1	4	0	1	1	2	2	2	2	-21	-21	1	1	1	2	2	0	0	0	0	-1	24	23	66
SRev CCGT-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
SRev CCGT-Gas		556	423	425	444	566	565	550	574	577	761	749	884	787	792	833	1151	854	542	482	309	258	235	249	
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
SRev Distillate		19	17	19	18	17	16	16	15	14	16	16	15	15	16	12	12	187	40	44	112	138	100	96	
SRev Co-Gen		32	34	32	32	30	33	33	32	31	32	32	32	33	31	30	32	31	34	34	36	41	41	42	44
Syncon		302	389	389	389	389	475	576	727	727	727	727	727	576	576	727	727	576	576	727	727	576	576	727	727

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																								
Hydro		113	215	224	243	213	306	233	126	123	100	72	81	30	66	112	41	39	91	204	468	275	259	219	199	389	199	306	244	294	293	330	299	295	314	270	188	313	46	66	352	496	291	382	246	232	204	160	72
S.Reserve Total		1064	1107	1109	1145	1251	1430	1444	1509	1508	1665	1600	1744	1513	1509	1603	1990	1875	1307	961	1241	1070	1003	885	872	1232	1075	1316	1209	1273	990	985	1059	987	1152	1217	1442	1694	1511	1427	1865	1169	1118	1285	1057	1167	1074	1327	1485