

Daily System Generation Summary on Sunday

Sunday, October 12, 2014

Availability at Daily Maximum Demand Hour

ST-Coal	2,410 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,200 MW
Hydro	1,658 MW
Distillate	0 MW
Total TNB	<u>8,268 MW</u>
Total IPP	<u>10,139 MW</u>
Total Co-Gen	<u>0 MW</u>
Total System	<u>18,407 MW</u>

Generation Mix

Type	MWh	Percentage
ST-Coal	55,422	19.29 %
Gas	63,025	21.94 %
Hydro	6,699	2.33 %
Total TNB	125,146	43.57 %
ST-Coal	89,106	31.02 %
ST-Gas	8,054	2.80 %
ST-Oil	3,859	1.34 %
Gas	59,054	20.56 %
Total IPP	160,073	55.73 %
Co-Gen	948	0.33 %
Total Co-Gen	948	0.33 %
Total Generation	286,167	99.62 %
PLTG	-376	-0.13 %
HVDC	-705	-0.25 %
Interconnection	-1,081	-0.38 %
Net Energy	287,248	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:	20:00:00 Hour
Total Set On Bus	14,525 MW
TNB Generation	5,878 MW
IPP Generation	7,270 MW
Spinning Reserve	1,333 MW
Maximum Demand	13,239 MW
Net Energy	287,248 MWH
Load Factor	90.40 %

Fuel Cost

Total Cost:	36,758,688.68 RM
Cost per Unit	13.15 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	312
Hydro	162
Syncon	424
Thermal	40
Total	938

Time	Weather	Temperature
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	28
GLGR	53
PAKA	142
PGPS	29
SRDG	4
TJGS	208
Total TNB	465
KLPP	94
MPSS	2
PDPS	6
PLPS	107
SGRI	160
SKSP	23
YPKA	64
PKLG	73
Total IPP	529
Total Gas	993
Total Gas Required	1,030

Alternate Fuel Usage

Station	(mmscfd)
PKLG	37
Total	37

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	12865	12416	11856	11576	11418	11035	10999	10715	10372	10898	11519	12142	12099	12079	12580	12581	12517	12103	11799	12463	13240	13225	12915	12526

Daily MW Generation on Sunday

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	
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		353	294	300	298	289	291	284	287	292	244	227	224	228	225	211	228	241	206	223	197	209	207	427	415	
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	CUFG	7	8	8	8	8	8	7	9	9	8	9	10	8	10	10	10	10	8	8	7	8	8	6	7	
PCUF	CUFK	32	32	32	32	34	34	34	34	35	32	32	33	31	32	30	31	29	27	27	23	24	24	24	23	
Total Co-Gen		39	40	40	40	42	42	41	43	44	40	41	43	39	42	40	41	42	39	37	34	35	35	29	31	
Total Gen		12849	12531	12310	12084	11849	11556	11502	11454	11352	11070	11030	10949	10931	10951	10723	10270	10260	10547	10775	11168	11384	11657	12061	12251	
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		-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-29	-29	-30	-30	-29	
TIE-PLTG		13	-15	-77	6	23	17	-45	9	-37	-11	24	7	-39	29	38	52	-84	-129	-94	29	-105	-60	-52	-144	
Interconnection		-16	-44	-106	-23	-7	-12	-74	-19	-66	-40	-5	-22	-68	0	8	23	-112	-158	-123	0	-135	-90	-81	-174	
System Total		12865	12575	12416	12107	11856	11568	11576	11473	11418	11110	11035	10971	10999	10951	10715	10247	10272	10705	10898	11168	11519	11747	12142	12425	
SRev ST-Coal		180	191	188	188	187	179	183	192	184	201	188	192	203	215	212	350	351	354	242	183	151	136	56	22	
SRev ST-Oil		4	4	6	9	11	13	13	2	69	82	81	45	67	41	41	0	0	0	0	0	0	0	0	0	0
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	0	
SRev CCGT-Gas		489	738	597	566	586	328	370	475	572	700	745	816	906	849	1008	1281	1323	990	841	491	238	273	279	340	
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 Co-Gen		37	36	36	36	34	34	34	35	33	32	36	35	33	37	34	36	35	34	37	39	42	41	41	47	
Syncon		727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	
Hydro		183	142	135	137	146	143	151	148	143	242	108	111	107	109	118	115	109	100	234	109	97	99	181	192	
S.Reserve Total		1620	1838	1689	1663	1691	1424	1478	1579	1728	1858	1911	1962	2021	2004	2181	2585	2623	2283	2085	1623	1334	1334	1009	1042	