

Daily System Generation Summary on Saturday

Saturday, December 13, 2014

Availability at Daily Maximum Demand Hour

ST-Coal	1,405 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,008 MW
Hydro	1,637 MW
Distillate	0 MW
Total TNB	7,050 MW
Total IPP	10,446 MW
Total Co-Gen	0 MW
Total System	17,496 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	32,981	10.85 %
Gas	67,762	22.30 %
Hydro	12,912	4.25 %
Total TNB	113,655	37.40 %
ST-Coal	96,107	31.62 %
ST-Gas	425	0.14 %
ST-Oil	1,073	0.35 %
Gas	88,764	29.21 %
Distillate	1,928	0.63 %
Total IPP	188,297	61.96 %
Co-Gen	1,958	0.64 %
Total Co-Gen	1,958	0.64 %
Total Generation	303,910	100.00 %
PLTG	690	0.23 %
HVDC	-701	-0.23 %
Interconnection	-11	0.00 %
Net Energy	303,921	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:	19:30:00 Hour
Total Set On Bus	15,018 MW
TNB Generation	5,072 MW
IPP Generation	8,735 MW
Spinning Reserve	1,141 MW
Maximum Demand	13,883 MW
Net Energy	303,921 MWH
Load Factor	91.21 %

Fuel Cost

Total Cost:	46,339,059.93 RM
Cost per Unit	15.88 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	500
Hydro	162
Syncon	381
Thermal	67
Total	1,110

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	31
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	10
CBPS	48
GLGR	59
PAKA	110
PGPS	43
SRDG	25
TJGS	220
Total TNB	515

KLPP	77
MPSS	64
PDPS	12
PGLA	107
PTEK	4
SGB3	52
SGRI	191
SKSP	51
YPGS	70
YPKA	68
Total IPP	694

Total Gas	1,210
Total Gas Required	1,236

Alternate Fuel Usage

Station	(mmscfd)
SGB3	16
PKLG	10
Total	26

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	13051	12578	12071	11674	11558	11127	11199	11143	10800	12247	13116	13735	13573	13479	13597	13552	13556	13172	12772	13140	13798	13589	13215	13012

Daily MW Generation on Saturday

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	30	50	49	50	50	50	50	30	30	30	30	0	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	51	0	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	0	0	0	0	0
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	0	0	0	0	0	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	0	0	0	0	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	0	0	0	0	0	0
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	83	82	82	39	82	32	-1	-1	-1
TMGR	HY02	25	33	41	37	28	39	33	33	35	33	34	36	35	31	30	28	35	31	84	85	85	86	81	82	34
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	0
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	79	79	79	79	77	79	-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	5
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
Total Hydro		924	596	545	362	288	333	294	295	337	247	207	205	241	244	213	255	263	313	759	1027	1174	1073	984	1029	948
SGB3	GT33	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
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
PCUF	CUFG	49	48	47	46	48	47	47	48	49	47	50	49	48	49	50	49	50	52	50	49	51	51	51	50	51
PCUF	CUFK	35	34	34	33	35	35	36	36	35	36	38	37	37	35	36	38	38	37	35	34	33	32	31	41	38
Total Co-Gen		84	82	81	79	83	82	83	84	84	83	88	86	85	84	86	87	88	89	85	83	84	83	82	91	89
Total Gen		13056	12769	12609	12330	12008	11862	11646	11403	11559	11376	11181	11204	11215	11207	11137	10844	10809	11688	12194	12753	13169	13452	13678	13820	13701
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
TIE-HVDC		-30	-30	-30	-30	-29	-29	-29	-29	-29	-29	-30	-30	-28	-28	-29	-29	-28	-28	-29	-29	-30	-30	-29	-29	-29
TIE-PLTG		35	59	60	2	-33	69	1	15	30	6	83	-48	44	60	22	30	39	26	-25	18	82	38	-27	3	
Interconnection		5	29	31	-28	-63	40	-28	-14	1	-23	54	-77	14	30	-6	2	9	-3	-53	-11	53	8	-57	-27	
System Total		13051	12740	12578	12358	12071	11822	11674	11417	11558	11399	11227	11281	11199	11177	11143	10842	10800	11691	12247	12764	13116	13444	13735	13847	
SRev ST-Coal		70	69	77	53	76	62	84	89	70	73	78	57	81	76	80	65	86	59	111	80	105	105	51	164	
SRev ST-Oil		0	0	1	1	0	3	43	30	6	0	0	0	0	0	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		755	348	297	415	505	646	762	918	743	758	913	907	909	922	959	1310	1333	592	816	669	614	630	458	505	
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		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		-3	-6	-5	-3	-7	-6	-7	-8	-8	-7	-12	-10	-9	-8	-10	-11	-12	-13	-9	-7	-8	-7	-6	-15	
Syncon		321	623	573	724	724	724	724	724	724	724	724	724	724	573	724	724	724	724	321	302	302	302	302	151	
Hydro		277	131	132	65	115	70	109	108	66	79	119	121	85	233	113	121	138	88	295	120	80	181	270	276	
S.Reserve Total		1415	1165	1075	1255	1413	1499	1715	1861	1601	1627	1822	1799	1790	1796	1866	2209	2269	1450	1534	1164	1093	1257	1140	1107	