

Daily System Generation Summary on Saturday

Saturday, January 14, 2017

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,843 MW
Hydro	2,405 MW
Distillate	0 MW
Total TNB	5,248 MW
Total IPP	15,153 MW
Total Co-Gen	20 MW
Total System	20,421 MW

Generation Mix

Type	MWh	Percentage
Gas	45,254	14.09 %
Hydro	8,159	2.54 %
Total TNB	53,413	16.63 %
ST-Coal	181,962	56.65 %
ST-Gas	4,831	1.50 %
Gas	81,741	25.45 %
Total IPP	268,534	83.60 %
Co-Gen	114	0.04 %
Total Co-Gen	114	0.04 %
Total Generation	322,061	100.26 %
PLTG	103	0.03 %
HVDC	730	0.23 %
Interconnection	833	0.26 %
Net Energy	321,228	100.00 %

Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	16,807 MW
TNB Generation	2,832 MW
IPP Generation	11,973 MW
Spinning Reserve	1,997 MW
Maximum Demand	14,749 MW
Net Energy	321,228 MWH
Load Factor	90.75 %

Fuel Cost

Total Cost:	53,202,146.55 RM
Cost per Unit	16.95 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	286
Hydro	196
Syncon	1,248
Thermal	269
Total	1,999

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
CBPS	45
GLGR	56
PAKA	105
PGPS	43
SRDG	1
TJGS	106
Total TNB	355
CBPS	52
KLPP	98
MPSS	50
NPRI	153
PGLA	111
PLPS	50
PTEK	3
SGRI	83
PKLG	49
Total IPP	648
Total Gas	1,003
Total Gas Required	1,003

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	13783	13128	12622	12330	12025	11812	11901	11851	11429	12386	13433	14006	14040	13821	14235	14393	14418	14105	13577	13677	14749	14576	14307	14043

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
UPIA	HY02	2	3	3	3	2	2	2	2	2	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3
Total Hydro		176	197	177	203	185	178	185	177	186	178	181	174	209	182	183	179	176	149	148	181	267	414	591	676
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	CUFK	6	5	1	5	4	5	5	4	5	3	5	5	5	3	5	6	7	5	5	4	5	4	5	4
Total Co-Gen		6	5	1	5	4	5	5	4	5	3	5	5	5	3	5	6	7	5	5	4	5	4	5	4
Total Gen		13785	13546	13170	12982	12685	12496	12396	12219	12052	11937	11867	11839	11968	11916	11944	11509	11461	12000	12424	13062	13495	13786	14021	14144
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		31	31	31	31	31	30	30	30	30	30	30	31	31	30	31	31	32	32	31	31	30	29	29	31
TIE-PLTG		-29	-46	11	-4	33	-25	36	52	-4	50	24	32	37	31	62	-3	1	-21	7	11	32	-50	-16	-40
Interconnection		2	-16	42	26	63	5	66	83	27	81	55	62	67	62	93	27	32	10	38	41	62	-20	15	-8
System Total		13783	13562	13128	12956	12622	12491	12330	12136	12025	11856	11812	11777	11901	11854	11851	11482	11429	11990	12386	13021	13433	13806	14006	14152
SRev ST-Coal		196	270	275	295	334	303	186	256	243	251	181	170	182	184	181	163	181	182	177	187	279	286	277	292
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		536	293	354	614	518	614	749	806	934	1049	1134	1166	1060	1081	1059	1509	1537	939	672	382	171	136	185	181
SRev ST-Gas		38	37	37	37	37	37	37	38	38	38	38	38	38	38	37	37	37	38	38	38	38	38	38	37
SRev Co-Gen		14	15	19	15	16	15	15	16	15	17	15	15	15	17	15	14	13	15	15	16	15	16	15	16
Syncon		1454	1454	1454	1303	1454	1454	1454	1454	1454	1454	1454	1454	1454	1303	1267	1267	1267	1116	1454	1303	1267	1080	1267	1051
Hydro		94	73	93	218	85	92	85	93	84	92	89	96	212	88	87	91	94	121	122	240	190	243	166	232
S.Reserve Total		2332	2142	2232	2482	2444	2515	2526	2663	2768	2901	2911	2939	2810	2861	2833	3268	3316	2749	2478	2166	1960	1986	1948	1875