

Daily System Generation Summary on Saturday

Saturday, October 11, 2014

Availability at Daily Maximum Demand Hour

ST-Coal	2,317 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,200 MW
Hydro	1,555 MW
Distillate	0 MW
Total TNB	<u>8,072 MW</u>
Total IPP	<u>10,301 MW</u>
Total Co-Gen	<u>0 MW</u>
Total System	<u>18,373 MW</u>

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	15,147 MW
TNB Generation	6,384 MW
IPP Generation	7,802 MW
Spinning Reserve	923 MW
Maximum Demand	14,257 MW
Net Energy	313,848 MWH
Load Factor	91.72 %

Gas Usage

Station	(mmscfd)
CBPS	49
GLGR	58
PAKA	146
PGPS	54
SRDG	14
TJGS	201
Total TNB	522
KLPP	94
MPSS	59
PDPS	3
PLPS	108
PTEK	4
SGRI	178
SKSP	52
YPKA	69
Total IPP	565
Total Gas	1,088
Total Gas Required	1,214

Alternate Fuel Usage

Station	(mmscfd)
KLPP	3
SGRI	3
PKLG	120
Total	126

Generation Mix

Type	MWh	Percentage
ST-Coal	54,541	17.38 %
Gas	68,843	21.94 %
Hydro	15,733	5.01 %
Total TNB	139,117	44.33 %
ST-Coal	88,919	28.33 %
ST-Oil	12,407	3.95 %
Gas	70,683	22.52 %
Distillate	723	0.23 %
Total IPP	172,732	55.04 %
Co-Gen	940	0.30 %
Total Co-Gen	940	0.30 %
Total Generation	312,789	99.66 %
PLTG	-357	-0.11 %
HVDC	-702	-0.22 %
Interconnection	-1,059	-0.34 %
Net Energy	313,848	100.00 %

Fuel Cost

Total Cost:	45,992,526.16 RM
Cost per Unit	15.48 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	431
Hydro	278
Syncon	98
Thermal	54
Total	861

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	27

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	13444	12867	12520	12219	11820	11692	11567	11375	11452	12462	13318	14052	13985	13563	13937	13920	13922	13557	13104	13547	14227	14089	13765	13329

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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
PGAU	HY04	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY01	48	48	54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	50	50	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	25	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	25	25	25	25	25	25	25	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	25	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	55	64	37	63	81	54	82	31	33	34	32	29	32	35	26	30	33	32	30	59	57	58	65	58
TMGR	HY02	-1	-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	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	-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		405	639	333	293	429	302	310	183	186	187	185	179	185	220	173	182	186	250	329	473	440	765	994	1197
KLPP	GT13	142	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	GT15	129	129	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT13	108	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	131	131	131	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Distillate		510	260	159	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	5	3	4	5	4	7	8	9	8	8	7	8	10	9	10	11	11	10	9	9	8	8	7	7
PCUF	CUFK	35	34	34	33	36	35	34	33	34	33	33	35	34	34	35	34	31	31	29	29	29	28	27	28
Total Co-Gen		40	37	38	38	40	42	42	42	41	40	41	45	43	44	46	45	41	40	38	37	37	35	34	33
Total Gen		13445	13313	12875	12668	12487	12239	12175	11788	11761	11710	11610	11552	11522	11616	11415	11274	11334	11966	12427	12962	13298	13673	13962	14153
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	-29	-28	-28	-29	-29	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		30	-19	37	-63	-5	-30	-14	-65	-29	26	-52	33	-16	-50	69	37	-88	30	-6	31	9	-5	-72	8
Interconnection		1	-48	8	-92	-33	-58	-44	-94	-59	-4	-82	3	-45	-80	40	7	-118	0	-35	2	-20	-35	-100	-20
System Total		13444	13361	12867	12760	12520	12297	12219	11882	11820	11714	11692	11549	11567	11696	11375	11267	11452	11966	12462	12960	13318	13708	14052	14173
SRev ST-Coal		31	30	43	29	40	41	26	108	98	112	39	52	23	4	91	39	25	44	34	61	59	64	45	26
SRev ST-Oil		7	12	45	10	5	4	4	4	4	4	4	4	17	5	83	82	83	47	9	5	4	4	5	85
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		480	650	636	627	475	387	474	652	667	698	899	939	1008	993	1073	1122	1074	483	614	433	219	165	252	569
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		56	23	124	105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		36	39	38	38	36	34	34	34	34	35	36	35	31	33	32	30	31	35	36	38	39	39	41	42
Syncon		727	425	727	727	576	576	727	727	727	727	727	727	576	727	727	727	576	727	727	576	727	727	576	727
Hydro		128	188	142	82	97	224	65	123	120	119	121	127	121	237	133	124	120	207	128	217	250	322	282	353
S.Reserve Total		1615	1367	1755	1618	1229	1266	1330	1648	1650	1695	1826	1884	1914	1860	2061	2125	2059	1428	1435	1183	997	1019	898	1005