

Daily System Generation Summary on Saturday

Saturday, January 02, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	690 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,826 MW
Hydro	2,135 MW
Distillate	0 MW
Total TNB	6,651 MW
Total IPP	9,491 MW
Total Co-Gen	30 MW
Total System	16,172 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	16,622	5.79 %
Gas	67,831	23.63 %
Hydro	10,159	3.54 %
Total TNB	94,612	32.96 %
ST-Coal	85,377	29.74 %
ST-Gas	5,962	2.08 %
Gas	99,471	34.65 %
Total IPP	190,810	66.47 %
Co-Gen	797	0.28 %
Total Co-Gen	797	0.28 %
Total Generation	286,219	99.70 %
PLTG	-859	-0.30 %
EGAT	-3	0.00 %
Interconnection	-862	-0.30 %
Net Energy	287,081	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	15,003 MW
TNB Generation	4,802 MW
IPP Generation	8,852 MW
Spinning Reserve	1,320 MW
Maximum Demand	13,650 MW
Net Energy	287,081 MWH
Load Factor	87.63 %

Fuel Cost

Total Cost:	43,715,124.20 RM
Cost per Unit	15.83 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	234
Hydro	297
Syncon	743
Thermal	61
Total	1,335

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	34
GLGR	56
NPRI	13
PAKA	181
PGPS	52
SRDG	36
TJGS	167

Total TNB 538

KLPP	121
PDPS	31
PGLA	109
PKLG	14
PLPS	122
PTEK	13
SGB3	97
SGRI	217
SKSP	60
PKLG	59

Total IPP 842

Total Gas 1,381

Total Gas Required 1,381

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	11898	11378	10947	10562	10274	10209	10168	10283	10174	11259	12220	12801	12768	12598	12790	12863	12868	12620	12303	12496	13650	13523	13139	12898

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 (Gurcharan Singh)
 Pengurus Besar Kanan
 Jabatan Sistem Operasi

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	HY03	-1	80	80	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	48	48	49	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	50	50	50	50	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	25	25	25	25	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY02	31	31	34	32	33	30	33	33	37	33	33	35	32	30	27	27	30	30	32	38	41	34	33	32
TMGR	HY03	-1	33	34	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY04	-1	35	-1	-1	-1	-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	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		486	750	755	490	244	209	197	198	246	199	199	221	210	236	201	198	198	594	426	501	556	580	680	795
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	5	6	6	7	7	6	6	7	7	6	7	7	7	8	8	8	8	7	7	6	5	6	6	5
PCUF	CUFK	27	28	26	28	29	30	27	29	29	28	27	30	29	29	28	28	29	30	29	27	27	29	25	25
Total Co-Gen		32	34	32	35	36	36	33	36	36	34	34	37	36	37	36	38	39	37	36	35	34	34	34	35
Total Gen		11851	11461	11296	11106	10880	10700	10530	10376	10281	10153	10217	10121	10142	10393	10255	10074	10150	10793	11221	11740	12201	12472	12718	
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		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-PLTG		-47	-56	-82	-15	-67	-35	-32	-24	7	4	8	-55	-26	-22	-28	-6	-24	6	-38	-70	-19	-73	-83	
Interconnection		-47	-56	-82	-15	-67	-35	-32	-24	7	4	8	-55	-26	-22	-28	-6	-24	6	-38	-70	-19	-73	-83	
System Total		11898	11517	11378	11121	10947	10735	10562	10400	10274	10149	10209	10176	10168	10415	10283	10080	10174	10787	11259	11810	12220	12545	12801	
SRev ST-Coal		60	193	148	139	133	217	8	9	19	20	26	10	18	11	14	73	15	1	16	120	115	123	109	
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		43	247	119	76	170	88	437	525	420	486	520	657	636	419	626	885	783	632	383	398	266	306	151	
SRev ST-Gas		0	0	0	0	0	15	41	38	38	38	38	38	38	38	38	37	37	39	35	13	-1	0	0	0
SRev Co-Gen		3	1	3	0	-1	-1	2	-1	-1	1	1	-2	-1	-2	-1	-3	-4	-2	-1	0	1	1	0	0
Syncon		1079	504	590	1079	1079	1079	1079	1079	1079	1079	928	1079	1079	1079	626	777	777	827	726	726	726	726	827	
Hydro		86	397	306	82	78	113	125	124	76	123	123	252	112	86	121	124	124	181	240	265	285	236	237	
S.Reserve Total		1271	1342	1166	1376	1459	1496	1666	1777	1631	1747	1787	1883	1882	1631	1874	2137	2092	1489	1439	1491	1525	1498	1252	