

Daily System Generation Summary on Friday

Friday, January 01, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	1,700 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,526 MW
Hydro	2,135 MW
Distillate	0 MW
Total TNB	7,361 MW
Total IPP	8,822 MW
Total Co-Gen	40 MW
Total System	16,223 MW

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	14,205 MW
TNB Generation	4,829 MW
IPP Generation	7,992 MW
Spinning Reserve	1,349 MW
Maximum Demand	12,906 MW
Net Energy	273,394 MWH
Load Factor	88.26 %

Gas Usage

Station	(mmsefd)
CBPS	4
GLGR	57
NPRI	4
PAKA	163
PGPS	51
SRDG	8
TJGS	170
Total TNB	457
KLPP	116
MPSS	3
PDPS	7
PGLA	112
PKLG	3
PLPS	102
PTEK	4
SGB3	45
SGRI	198
SKSP	59
PKLG	51
Total IPP	698
Total Gas	1,155
Total Gas Required	1,155

Alternate Fuel Usage

Station	(mmsefd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	34,804	12.73 %
Gas	59,117	21.62 %
Hydro	8,373	3.06 %
Total TNB	102,294	37.42 %
ST-Coal	80,507	29.45 %
ST-Gas	5,127	1.88 %
Gas	84,005	30.73 %
Total IPP	169,639	62.05 %
Co-Gen	864	0.32 %
Total Co-Gen	864	0.32 %
Total Generation	272,797	99.78 %
PLTG	-597	-0.22 %
Interconnection	-597	-0.22 %
Net Energy	273,394	100.00 %

Fuel Cost

Total Cost:	37,682,628.30 RM
Cost per Unit	14.25 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	285
Hydro	380
Syncon	920
Thermal	111
Total	1,696

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	28

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	12346	11910	11573	11279	10868	10594	10498	10390	9887	10313	10786	11215	11394	11266	11191	11389	11441	11430	11311	11740	12906	12727	12462	12221

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(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Friday

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	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	50	50	50	50	50
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	16	16	0	0	16	16	16	16	16	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	16	16	0	0	16	16	16	16	16	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	16	16	0	0	16	16	16	16	16	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	16	16	0	0	16	16	16	16	16	
TMGR	HY01	82	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY02	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	
TMGR	HY03	78	30	41	88	85	88	81	37	40	34	31	29	28	28	27	39	34	37	36	32	33	32	32	35	
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	
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		513	264	301	347	365	358	621	373	286	265	235	232	227	229	222	250	242	254	244	239	239	236	238	254	
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	CLFG	10	10	10	9	9	11	10	12	11	13	12	11	11	11	12	10	11	12	11	8	8	9	8	8	
PCUF	CUFK	27	26	29	26	27	28	28	27	27	28	27	28	28	28	29	29	31	31	29	28	29	28	27	26	
Total Co-Gen		37	36	39	35	36	39	38	39	38	41	39	39	39	40	41	41	42	41	39	37	36	36	34	36	
Total Gen		1231	1218	1184	1171	1154	1140	1124	1108	1082	1071	1064	1060	1050	1057	1044	1032	986	1081	1027	1053	1074	1099	1118	1124	
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		-15	-47	-64	-33	-28	39	-37	-55	-46	-26	40	-34	9	-8	52	-38	-22	-57	-39	-10	-41	0	-31		
Interconnection		-15	-47	-64	-33	-28	39	-37	-55	-46	-26	40	-34	9	-8	52	-38	-22	-57	-39	-10	-41	0	-31		
System Total		12346	12178	11910	11750	11573	11371	11279	11093	10868	10797	10594	10639	10498	10565	10390	10070	9887	10108	10313	10533	10786	10990	11215		
SRev ST-Coal		173	174	169	174	174	181	178	174	174	169	170	168	171	173	176	345	366	366	364	363	270	33	16	21	
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		405	394	416	184	283	167	220	181	149	187	311	339	429	471	523	760	885	698	617	434	293	514	408		
SRev ST-Gas		0	0	-1	-1	0	0	0	0	0	0	0	0	0	8	42	41	37	38	38	38	38	38	37	37	
SRev Co-Gen		3	4	1	5	4	1	2	1	2	-1	1	1	1	0	-1	-1	-2	-1	1	3	4	4	6		
Syncon		842	928	928	928	928	928	827	827	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	928	
Hydro		368	383	322	276	258	265	103	351	337	358	388	391	396	394	401	373	381	369	379	384	384	387	385		
S.Reserve Total		1791	1883	1835	1566	1647	1542	1330	1534	1590	1641	1798	1827	1925	1975	2070	2446	2596	2397	2325	2138	1916	1904	1778		