

Daily System Generation Summary on Friday

Friday, December 09, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,285 MW
Hydro	2,357 MW
Distillate	0 MW
Total TNB	5,642 MW
Total IPP	14,708 MW
Total Co-Gen	20 MW
Total System	20,370 MW

Generation Mix

Type	MWh	Percentage
Gas	64,252	18.75 %
Hydro	9,540	2.78 %
Total TNB	73,792	21.53 %
ST-Coal	168,227	49.08 %
Gas	101,054	29.48 %
Total IPP	269,281	78.57 %
Co-Gen	432	0.13 %
Total Co-Gen	432	0.13 %
Total Generation	343,505	100.22 %
PLTG	31	0.01 %
HVDC	725	0.21 %
Interconnection	756	0.22 %
Net Energy	342,749	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:	16:30:00 Hour
Total Set On Bus	17,795 MW
TNB Generation	3,450 MW
IPP Generation	12,536 MW
Spinning Reserve	1,792 MW
Maximum Demand	16,024 MW
Net Energy	342,749 MWH
Load Factor	89.12 %

Fuel Cost

Total Cost:	48,105,069.85 RM
Cost per Unit	14.40 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	485
Hydro	326
Syncon	926
Thermal	207
Total	1,944

Time Weather Temperature

Afternoon	Hot	32
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	14172	13539	13012	12678	12353	12199	12154	12208	12483	13924	14817	15531	15529	15028	15285	15925	15943	15739	14784	14988	15569	15377	14682	14466

Gas Usage

Station	(mmscfd)
CBPS	58
GLGR	50
PAKA	148
PGPS	27
TJGS	210
Total TNB	492

CBPS	56
KLPP	96
MPSS	48
NPRI	146
PGLA	106
PLPS	85
SGRI	168
SKSP	51
Total IPP	756

Total Gas 1,249

Total Gas Required 1,249

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Prepared By: Siti Nurhamizatul Aini

Checked By: -Select Name-

Printed on: Saturday, December 10, 2016 5:58:17 AM
 (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
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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total Hydro		335	188	189	166	166	166	165	167	166	166	188	165	165	185	165	166	173	171	162	247	229	360	538	551
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	16	16	18	19	19	18	17	18	19	18	18	19	18	18	16	18	18	18	16	19	18	19	19	19
Total Co-Gen		16	16	18	19	19	18	17	18	19	18	18	19	17	18	18	16	18	18	18	19	19	19	17	17
Total Gen		14299	13920	13553	13263	13045	12905	12705	12476	12367	12284	12243	12227	12184	12311	12245	12147	12501	13428	13923	14437	14788	15242	15527	15649
TIE-BGAT		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	31	31	30	31	31	29	30	31	31	31	31	30	29	30	31	30	30	30	30	29	30	29	30
TIE-PLTG		98	7	-18	-44	1	6	-1	16	-17	31	14	9	-2	40	8	37	-14	10	-30	-26	-59	-12	-34	-25
Interconnection		127	38	14	-14	33	37	27	46	14	62	44	40	30	70	37	68	18	40	-1	4	-29	18	-4	5
System Total		14172	13882	13539	13277	13012	12868	12678	12430	12353	12222	12199	12187	12154	12241	12208	12079	12483	13388	13924	14433	14817	15224	15531	15644
S.Rev ST-Coal		181	263	195	197	248	246	237	239	233	242	238	236	226	218	214	226	217	223	219	220	143	320	196	182
S.Rev OCCT-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
S.Rev CCGT-Gas		683	682	920	1186	1353	1494	1701	1931	2046	2119	2186	2182	2234	2136	2184	2272	1889	1248	962	786	552	300	320	224
S.Rev 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
S.Rev Co-Gen		4	4	2	1	1	2	3	2	1	2	2	1	2	1	3	2	2	4	2	2	2	4	1	2
Syncon		925	1076	1076	1076	1076	1076	1076	1076	1076	1076	925	1076	1076	1263	1263	1263	1011	1162	1036	1076	1076	1076	1076	925
Hydro		363	109	108	131	131	131	132	130	131	131	260	132	132	263	131	130	122	124	133	300	167	312	384	371
S.Reserve Total		2166	2134	2301	2591	2809	2949	3149	3378	3487	3570	3611	3627	3670	3543	3608	3706	3493	2862	2576	2319	2026	1972	1977	1855