

Daily System Generation Summary on Friday

Friday, February 12, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	1,980 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,521 MW
Hydro	1,975 MW
Distillate	0 MW
Total TNB	8,476 MW
Total IPP	9,904 MW
Total Co-Gen	28 MW
Total System	18,978 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	47,547	14.70 %
Gas	66,268	20.49 %
Hydro	10,034	3.10 %
Total TNB	123,849	38.29 %
ST-Coal	111,468	34.46 %
Gas	88,156	27.25 %
Total IPP	199,624	61.72 %
Co-Gen	470	0.15 %
Total Co-Gen	470	0.15 %
Total Generation	323,943	100.15 %
PLTG	-242	-0.07 %
HVDC	729	0.23 %
Interconnection	487	0.15 %
Net Energy	323,456	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:	16:30:00 Hour
Total Set On Bus	16,557 MW
TNB Generation	5,626 MW
IPP Generation	9,579 MW
Spinning Reserve	1,323 MW
Maximum Demand	15,252 MW
Net Energy	323,456 MWH
Load Factor	88.36 %

Fuel Cost

Total Cost:	45,801,065.80 RM
Cost per Unit	14.58 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	449
Hydro	271
Syncon	530
Thermal	52
Total	1,302

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	4
GLGR	54
NPRI	78
PAKA	50
PGGS	7
PGPS	40
SRDG	27
TJGS	213
Total TNB	475
KLPP	100
MPSS	45
PGLA	110
PKLG	14
PLPS	95
SGB3	87
SGRI	172
SKSP	51
Total IPP	673
Total Gas	1,148
Total Gas Required	1,148

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	13277	12740	12274	11808	11539	11309	11335	11383	11826	13203	14087	14537	14606	14208	14396	15016	15214	14988	14138	13728	14853	14653	14206	13876

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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	
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	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		264	200	204	203	201	183	173	180	180	167	188	180	183	184	187	180	180	204	209	408	672	723	753	783	788
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	0
PCUF	CUFK	17	17	17	18	18	18	17	19	19	17	20	18	19	18	18	18	19	18	18	18	17	17	17	18	18
Total Co-Gen		17	17	17	18	18	18	17	19	19	17	20	18	19	18	18	18	17	17	17	18	18	17	18	17	18
Total Gen		13301	13007	12767	12503	12320	12010	11876	11688	11599	11440	11354	11366	11359	11440	11439	11490	11828	12658	13231	13569	14111	14213	14589	14702	
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		30	30	30	30	30	30	30	30	30	31	31	29	29	31	31	30	30	31	31	29	29	31	31	31	
TIE-PLTG		-6	60	-3	-45	16	-54	38	-24	30	59	15	24	-7	24	27	-37	-28	-29	-2	-45	-7	-64	21	-2	
Interconnection		24	90	27	-15	46	-24	68	6	60	90	45	55	24	53	56	-6	2	1	28	-15	24	-33	52	28	
System Total		13277	12917	12740	12518	12274	12034	11808	11682	11539	11350	11309	11311	11335	11387	11383	11496	11826	12657	13203	13584	14087	14246	14537	14674	
SRev ST-Coal		41	34	28	31	44	13	30	40	32	118	40	39	19	46	50	32	26	18	44	1	122	11	35	38	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	95	83	165	203	230	214	
SRev CCGT-Gas		206	650	502	620	577	900	842	1029	1126	1179	1372	1351	1382	1274	1234	903	541	413	387	322	531	276	153	225	
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 Co-Gen		11	11	11	10	10	10	11	9	9	11	8	10	9	10	10	10	11	11	10	10	11	10	11	10	
Syncon		802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	651	500	500	500	500	500	500	500	500	
Hydro		203	267	263	264	266	134	144	137	137	150	129	137	134	133	130	137	137	263	258	210	97	121	266	236	
S.Reserve Total		1263	1764	1606	1727	1699	1859	1829	2017	2106	2260	2351	2339	2346	2365	2266	2215	1877	1634	1527	1259	1147	1257	1253	1140	