

Daily System Generation Summary on Friday

Friday, September 23, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,399 MW
Hydro	2,135 MW
Distillate	0 MW
Total TNB	5,534 MW
Total IPP	13,890 MW
Total Co-Gen	20 MW
Total System	20,008 MW

Generation Mix

Type	MWh	Percentage
Gas	49,167	14.37 %
Hydro	7,145	2.09 %
Total TNB	56,312	16.46 %
ST-Coal	188,468	55.08 %
Gas	97,869	28.60 %
Total IPP	286,337	83.69 %
Co-Gen	325	0.09 %
Total Co-Gen	325	0.09 %
Total Generation	342,974	100.24 %
PLTG	86	0.03 %
HVDC	738	0.22 %
Interconnection	824	0.24 %
Net Energy	342,150	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:	15:30:00 Hour
Total Set On Bus	17,831 MW
TNB Generation	3,230 MW
IPP Generation	13,123 MW
Spinning Reserve	1,463 MW
Maximum Demand	16,345 MW
Net Energy	342,150 MWH
Load Factor	87.22 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	387
Hydro	302
Syncon	838
Thermal	149
Total	1,676

Time Weather Temperature

Gas Usage

Station	(mmscfd)
GLGR	53
PAKA	48
PGPS	45
SRDG	13
TJGS	209
Total TNB	368
CBPS	52
KLPP	100
MPSS	54
NPRI	72
PGLA	110
PKLG	4
PLPS	93
PTEK	52
SGB3	86
SGRI	92
SKSP	48
Total IPP	762
Total Gas	1,131
Total Gas Required	1,131

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	13575	12902	12587	12260	11957	11715	12016	11853	12267	13980	14996	15604	15642	15239	15551	16266	16331	16067	14938	14654	15651	15584	15172	14821

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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																											
Total Hydro		301	161	162	162	174	164	169	160	161	160	154	155	162	163	179	150	160	161	161	169	159	275	339	353	407	206	185	183	629	633	759	756	758	671	413	269	180	161	160	477	584	520	381	242	221	233	206	199			
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	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	14	14	14	12	13	13	13	14	14	15	13	13	13	13	14	14	13	13	13	13	13	13	14	14	14	14	15	13	13	13	14	14	14	15	13	13	13	14	13	14	14	13	14	15	14	13	13	15			
Total Co-Gen		14	14	14	12	13	13	13	14	14	15	13	13	13	14	13	13	13	13	13	13	13	14	14	14	14	14	15	13	13	13	14	14	14	15	13	13	13	14	13	14	14	13	14	15	14	13	13	15			
Total Gen		13645	13331	12960	12739	12591	12446	12317	12148	11953	11941	11844	11857	12021	12104	11907	11834	12252	13246	14020	14504	14996	15327	15597	15824	15710	15370	15296	15351	15572	15947	16291	16369	16356	16302	16053	15481	15020	14689	14678	15706	15709	15670	15581	15452	15197	14982	14867	14587			
TIE-ECAT		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	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	
TIE-HVDC		31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31		
TIE-PLTC		38	-24	26	20	-28	38	25	29	-12	1	97	21	-26	54	22	-6	-47	-21	8	4	-32	16	-39	-32	36	6	25	39	-11	14	-7	-8	-7	-21	-45	-21	51	-1	-7	-5	26	-19	-35	-51	-6	33	14	39			
Interconnection		69	7	57	51	3	69	56	60	19	32	128	51	4	85	53	25	-16	10	39	35	-1	46	-8	-1	67	37	56	69	20	45	24	23	24	10	-15	10	81	30	23	26	57	12	-4	-20	24	63	45	69			
System Total		13575	13323	12902	12687	12587	12376	12260	12087	11957	11908	11715	11805	12016	12018	11853	11808	12267	13235	13980	14468	14906	15280	15604	15824	15642	15332	15239	15281	15551	15925	16266	16345	16331	16291	16067	15470	14938	14658	14654	15679	15651	15657	15584	15471	15172	14918	14821	14517			
SRev ST-Coal		42	61	173	147	149	95	154	154	150	143	155	149	128	145	144	136	152	146	145	173	146	150	147	144	142	147	154	155	144	157	152	146	148	157	138	140	147	145	155	152	148	146	166	147	144	136	155	153			
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	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	0	0
SRev CCGT-Gas		1309	1109	1051	1264	1423	1612	1768	1929	2129	2148	2225	2219	2084	2087	2301	2353	2236	1676	1276	806	510	409	205	94	290	251	287	245	470	127	134	113	107	111	98	276	471	698	699	114	170	251	180	108	256	352	361	404			
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	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	0	0
SRev Co-Gen		6	6	6	8	7	7	7	6	6	5	7	7	6	7	7	7	7	6	7	7	6	6	6	6	6	7	7	7	6	6	6	5	7	7	7	6	7	6	6	7	6	6	7	6	5	6	7	7	5		
Syncon		572	950	950	950	950	950	950	950	799	950	950	950	950	950	799	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950		
Hydro		374	136	135	135	123	133	128	137	263	137	143	142	135	134	269	147	137	136	136	128	138	347	358	344	441	392	262	264	269	392	365	368	366	453	360	430	156	137	138	148	291	230	268	307	178	317	193	200			
S.Reserve Total		2303	2262	2315	2504	2652	2797	3007	3176	3347	3383	3480	3467	3303	3323	3520	3593	3482	2914	2519	2058	1744	1861	1666	1562	1676	1766	1840	1785	1914	1515	1541	1463	1476	1530	1529	1778	1882	2175	2186	1283	1530	1542	1638	1562	1667	1666	1565	1611			