

Daily System Generation Summary on Thursday

Thursday, October 01, 2015

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,962 MW
Hydro	1,840 MW
Distillate	0 MW
Total TNB	8,882 MW
Total IPP	8,833 MW
Total Co-Gen	0 MW
Total System	17,715 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:	14:30:00 Hour
Total Set On Bus	16,899 MW
TNB Generation	7,569 MW
IPP Generation	8,163 MW
Spinning Reserve	1,118 MW
Maximum Demand	15,825 MW
Net Energy	334,609 MWH
Load Factor	88.10 %

Gas Usage

Station	(mmscfd)
CBPS	17
CBPS	58
GLGR	56
PAKA	169
PGPS	43
SRDG	15
TJGS	217
Total TNB	574

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	69,045	20.63 %
Gas	74,311	22.21 %
Hydro	15,164	4.53 %
Total TNB	158,520	47.37 %
ST-Coal	91,400	27.32 %
ST-Gas	8,631	2.58 %
Gas	73,798	22.05 %
Total IPP	173,829	51.95 %
Co-Gen	1,298	0.39 %
Total Co-Gen	1,298	0.39 %
Total Generation	333,647	99.71 %
PLTG	-260	-0.08 %
HVDC	-702	-0.21 %
Interconnection	-962	-0.29 %
Net Energy	334,609	100.00 %

Fuel Cost

Total Cost:	48,208,959.75 RM
Cost per Unit	15.13 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	422
Hydro	268
Syncon	482
Thermal	87
Total	1,259

KLPP	47
MPSS	58
PDPS	21
PGLA	55
PKLG	18
PLPS	98
PTEK	20
SGB3	80
SGRI	162
SKSP	54
PKLG	86
Total IPP	701
Total Gas	1,275
Total Gas Required	1,275

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	27

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	13339	12710	12217	11963	11643	11534	11754	11700	12333	14076	14898	15576	15562	15234	15678	15824	15674	15244	14522	14545	15168	14910	14193	13806

Prepared By: Mohd Yusof bin Ismail

Checked By: Abu Bakar bin K.K. Ibrahim

Printed on: Friday, October 02, 2015 8:14:27 AM
(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Thursday

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																										
LPIA	HY01	9	10	10	10	10	10	9	10	9	9	10	10	9	10	10	9	10	9	9	9	10	9	9	13	14	14	13	13	13																					
LPIA	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10																					
MNOR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	4	4																				
PGAU	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	84	84	21	21	20	20	58	83	23	18	20	86	21	0	0	0	0	0	0	0	0														
PGAU	HY02	-1	-1	-1	-1	80	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1														
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1														
PGAU	HY04	110	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1														
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	40	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
SIHY	HY02	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													
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16												
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16												
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16												
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16												
TMGR	HY01	78	38	37	82	81	37	35	36	36	35	31	35	36	40	37	37	39	36	34	42	40	65	65	79	61	62	62	79	79	79	79	79	79	79	79	79	79													
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1													
TMGR	HY03	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												
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	-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	5	5	5	5	5	5	5	5	5	5	5	5	5													
UPLA	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	3	3	3	3	3	3	3	3	3	3	3	3	3													
Total Hydro		446	348	195	274	345	216	192	208	197	200	210	193	206	233	193	276	296	478	622	758	712	1040	1142	1158	979	859	843	966	1134	1219	1152	1099	1034	1048	838	665	462	458	518	818	823	797	795	820	669	627	668	676		
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		
PCUF	CUFG	35	36	35	35	34	35	35	35	36	36	35	37	35	34	36	32	34	33	32	31	32	31	32	31	32	31	31	31	32	31	30	32	32	31	33	32	31	30	31	32	32	32	33	33	32	32	33			
PCUF	CUFK	23	24	22	23	23	25	23	22	22	25	22	23	24	24	24	21	22	17	17	17	18	17	18	18	18	18	18	18	18	20	20	20	19	19	22	24	23	24	22	25	23	22	22	23	22	22				
Total Co-Gen		58	60	57	58	57	60	58	57	58	61	57	60	59	61	58	57	60	56	55	55	49	48	49	49	46	48	49	47	49	50	49	49	52	51	50	52	51	50	55	56	54	54	53	57	55	55				
Total Gen		13378	13026	12718	12281	12180	11989	11935	11775	11588	11550	11528	11589	11701	11938	11697	11716	12505	13336	14000	14613	14886	15241	15550	15680	15829	15310	15220	15427	15647	15781	15807	15756	15668	15715	15219	14836	14452	14100	14462	15041	15111	15006	14849	14638	14165	13951	13745	13446		
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	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	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28		
TIE-PLTG		68	-38	37	-48	-8	-32	1	-24	-26	-48	23	-26	-24	19	27	-55	1	-25	-46	-11	18	-25	3	52	-4	-17	15	3	-1	-14	13	23	23	3	4	-50	-41	-11	-54	-30	-28	10	-31	-18	1	-40	-31	-56		
Interconnection		39	-67	8	-77	-37	-61	-28	-53	-55	-77	-6	-56	-53	-11	-3	-84	-28	-54	-76	-40	-12	-55	-26	23	-33	-46	-14	-27	-31	-44	-17	-6	-6	-26	-25	-80	-70	-39	-83	-60	-87	-20	-61	-47	-28	-70	-61	-84		
System Total		13339	13093	12710	12358	12217	12050	11963	11828	11643	11627	11534	11645	11754	11949	11700	11800	12333	13390	14076	14653	14898	15296	15576	15657	15562	15356	15234	15454	15678	15825	15824	15762	15674	15741	15244	14936	14522	14139	14545	15101	15168	15026	14910	14685	14193	14021	13806	13530		
SRev ST-Coal		105	93	111	15	114	86	111	96	111	103	104	122	100	79	157	111	93	124	125	108	92	22	38	85	82	55	91	40	23	118	115	126	138	132	139	99	118	137	102	47	18	42	15	8	46	46	36	36		
SRev CCGT-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
SRev CCGT-Gas		255	523	651	1084	1211	1366	1434	1630	1718	1712	1731	1638	1560	1395	1519	1626	1310	897	475	373	180	382	359	328	322	330	341	341	346	361	346	369	360	350	434	341	455	797	539	291	267	278	256	390	476	375	549	578		
SRev ST-Gas		0	0	2	42	23	30	-35	37	78	75	75	74	74	74	74	75	79	55	27	32	7	11	3	5	3	19	16	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		-14	-16	-13	-14	-13	-16	-14	-13	-14	-17	-13	-16	-15	-15	-17	-14	-13	-16	-12	-11	-11	-5	-4	-5	-5	-2	-4	-5	-3	-5	-6	-5	-5	-5	-8	-7	-6	-8	-7	-6	-11	-12	-10	-10	-9	-13	-11	-11		
Syncon		575	575	827	827	676	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	
Hydro		113	211	112	33	113	91	115	99	110	107	248	114	101	74	114	131	111	281	165	313	208	302	205	189	368	302	318	346	278	279	320	248	313	302	261	35	147	151	169	370	370	240	242	217	269	160	119	111		
S.Reserve Total		1039	1391	1695	1992	2129	2389	2443	2681	2835	2812	2826	2764	2652	2439	2679	2760	2407	1941	1460	1368	1304	1374	1101	1199	1332	1451	1541	1281	1128	1118	1326	1260	1348	1159	1323	1072	1476	1828	1544	1125	1205	1305	1144	1126	1249	1217	1382	1377		