

Daily System Generation Summary on Thursday

Thursday, October 15, 2015

Availability at Daily Maximum Demand Hour

ST-Coal	3,060 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,737 MW
Hydro	1,942 MW
Distillate	0 MW
Total TNB	8,739 MW
Total IPP	9,393 MW
Total Co-Gen	0 MW
Total System	18,132 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	68,141	20.28 %
Gas	74,371	22.13 %
Hydro	18,448	5.49 %
Total TNB	160,960	47.89 %
ST-Coal	85,186	25.35 %
ST-Gas	10,352	3.08 %
Gas	77,922	23.19 %
Total IPP	173,460	51.61 %
Co-Gen	857	0.26 %
Total Co-Gen	857	0.26 %
Total Generation	335,277	99.76 %
PLTG	-94	-0.03 %
HVDC	-701	-0.21 %
Interconnection	-795	-0.24 %
Net Energy	336,072	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:	14:30:00 Hour
Total Set On Bus	17,369 MW
TNB Generation	7,918 MW
IPP Generation	8,344 MW
Spinning Reserve	1,072 MW
Maximum Demand	16,367 MW
Net Energy	336,072 MWH
Load Factor	85.56 %

Fuel Cost

Total Cost:	50,243,227.30 RM
Cost per Unit	15.85 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	548
Hydro	257
Syncon	336
Thermal	148
Total	1,289

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	5
CBPS	59
GLGR	56
NPRI	16
PAKA	190
PGGG	30
SRDG	22
TJGS	216
Total TNB	593

KLPP	49
MPSS	59
PDPS	30
PGLA	95
PKLG	17
PLPS	103
PTEK	27
SGB3	35
SGRI	177
SKSP	57
PKLG	104
Total IPP	753
Total Gas	1,346

Total Gas Required 1,346

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	12955	12325	11840	11437	11304	11200	11474	11515	12247	13807	15014	15782	15654	15382	16039	16308	16212	15800	14678	14807	15427	15152	14668	14317

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(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
KNRG	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
KNYR	HY01	60	60	77	61	83	62	59	58	57	61	68	79	82	98	60	89	58	60	60	77	96	86	96	96
KNYR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	97	99	99	99	99	99	99	99	99	99
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94	94	93	93	93	95	95	95	95	95
KNYR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	96	96	96	96	96	96	96	96	96	96	96
LPJA	HY01	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
LPJA	HY02	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
MNOR	HY01	7	7	7	7	7	4	4	4	4	4	4	4	4	4	4	5	5	7	7	7	7	3	3	3
PGAU	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113	130	113	113	113	113	0	88	131	130
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	19	-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	30	-1	-1	-1	-1	-1	113	115	116	111	111	111	-1	-1	-1
PGAU	HY04	-1	-1	-1	20	-1	-1	-1	-1	29	20	-1	-1	20	-1	-1	111	132	132	132	132	132	130	-1	-1
SIHY	HY01	50	50	50	50	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	0	0	0
SIHY	HY02	50	50	50	50	0	0	0	0	0	0	0	0	0	0	41	50	50	50	50	50	50	50	50	50
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	16	0	25	25	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	16	0	25	25	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	16	0	25	25	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	16	0	25	25	25	25
TMGR	HY01	25	28	32	30	33	31	24	24	24	39	41	42	44	40	27	36	29	41	37	37	41	35	39	43
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
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	39	34	40	42	42	0	44	44	45
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	42	44	-1	-1	-1	-1	47	47	46
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		293	297	318	321	228	205	191	188	186	238	239	251	236	287	229	245	279	293	576	856	984	1102	1312	1431
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	CUPG	30	30	29	29	30	30	29	30	31	31	29	31	31	32	31	32	30	30	29	29	28	26	27	26
PCUF	CUPK	7	7	7	7	6	7	6	7	7	6	7	7	6	7	8	6	7	7	6	6	7	7	7	7
Total Co-Gen		37	37	36	36	37	35	37	38	38	35	38	38	38	37	39	37	38	35	36	35	33	33	33	33
Total Gen		12936	12520	12290	11929	11812	11675	11510	11511	11390	11217	11153	11209	11379	11561	11511	11470	12284	13231	13776	14530	14981	15334	15746	15891
TIB-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		-29	-29	-29	-29	-29	-29	-30	-30	-28	-28	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		10	-35	-6	-9	-1	-23	102	90	116	-24	-19	-42	-66	-39	26	-16	66	14	-2	-11	-4	8	7	-25
Interconnection		-19	-65	-35	-39	-28	-52	73	61	86	-54	-47	-70	-95	-69	-4	-46	37	-15	-31	-40	-33	-21	-36	-54
System Total		12955	12585	12325	11968	11840	11727	11437	11450	11304	11271	11200	11279	11474	11630	11515	11516	12247	13246	13807	14570	15014	15355	15782	15945
SRev ST-Coal		-1	-6	112	72	63	54	55	43	74	90	116	90	82	60	101	131	159	130	138	125	87	130	156	142
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	92	13	95	120	93	115	108	131	157	146
SRev CCGT-Gas		538	662	413	809	907	1031	1179	1189	1278	1604	1615	1600	1423	1314	1265	1322	1022	639	552	338	350	433	431	447
SRev ST-Gas		78	76	75	75	75	75	75	75	75	75	75	75	75	75	84	22	8	7	7	6	6	45	44	2
SRev Co-Gen		7	7	8	8	8	7	9	7	6	6	6	6	6	6	7	5	7	6	9	8	9	11	11	11
Syncon		726	726	726	575	726	726	726	726	575	575	575	726	575	575	726	726	625	474	474	323	302	151	388	474
Hydro		136	132	111	259	101	124	138	141	143	242	241	229	93	193	251	84	128	114	132	238	208	391	327	359
S.Reserve Total		1584	1697	1545	1898	1980	2117	2282	2281	2402	2692	2731	2675	2505	2323	2373	2445	2215	1800	1475	1284	1147	1388	1353	1209