

Daily System Generation Summary on Friday

Friday, September 04, 2015

Availability at Daily Maximum Demand Hour

ST-Coal	2,940 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,894 MW
Hydro	1,838 MW
Distillate	0 MW
Total TNB	8,672 MW
Total IPP	9,482 MW
Total Co-Gen	88 MW
Total System	18,812 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	68,747	20.16 %
Gas	75,344	22.09 %
Hydro	20,430	5.99 %
Total TNB	164,521	48.24 %
ST-Coal	83,524	24.49 %
Gas	92,196	27.03 %
Total IPP	175,720	51.52 %
Co-Gen	1,446	0.42 %
Total Co-Gen	1,446	0.42 %
Total Generation	341,687	100.19 %
PLTG	-96	-0.03 %
HVDC	729	0.21 %
Interconnection	633	0.19 %
Net Energy	341,054	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:	16:00:00 Hour
Total Set On Bus	17,379 MW
TNB Generation	7,630 MW
IPP Generation	8,576 MW
Spinning Reserve	1,119 MW
Maximum Demand	16,273 MW
Net Energy	341,054 MWH
Load Factor	87.33 %

Fuel Cost

Total Cost:	49,393,699.26 RM
Cost per Unit	15.37 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	430
Hydro	229
Syncon	482
Thermal	172
Total	1,313

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	28
CBPS	45
GLGR	49
PAKA	182
PGPS	41
SRDG	17
TJGS	207
Total TNB	569

KLPP	76
MPSS	50
PDPS	26
PGLA	106
PKLG	21
PLPS	97
PTEK	13
SGB3	87
SGRI	158
YPKA	97
Total IPP	731

Total Gas 1,300

Total Gas Required 1,300

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	13918	13230	12734	12387	12060	11850	11980	11967	12286	14030	15014	15703	15732	15293	15502	16142	16273	15926	14847	14417	15373	15104	14596	14287

Prepared By: Siti Nurhamizatul Aini

Checked By: Ibrahim bin Said

Printed on: Saturday, September 05, 2015 9:50:40 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
SGB3	GT32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCB3	GT33	133	139	110	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
SCB3	ST34	176	147	130	97	95	95	95	94	94	94	94	94	94	100	100	101	173	198	207	223	223	222	222	206
SGRI	GT12	111	111	117	116	110	65	65	65	66	66	65	65	65	65	65	65	65	110	110	110	111	111	111	138
SGRI	GT13	110	110	113	110	110	110	59	60	60	59	59	60	60	59	59	59	103	104	104	105	105	104	131	121
SGRI	ST14	133	135	132	136	134	115	115	94	92	92	92	93	92	92	93	93	133	132	132	132	132	131	141	143
SGRI	GT21	107	138	134	131	131	131	128	128	59	62	60	60	61	61	59	59	60	106	107	107	108	110	134	135
SGRI	GT22	113	141	138	135	138	138	131	134	65	65	65	66	66	66	66	66	110	111	111	111	113	135	136	135
SGRI	GT23	109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	149	146	145	109	141	143	136
SGRI	ST24	191	167	148	145	142	144	142	141	103	95	97	96	95	97	102	103	102	133	201	205	202	190	222	219
YPKA	BLK1	241	253	257	257	257	257	261	261	263	263	264	264	262	262	264	264	263	263	262	262	261	261	260	260
YPKA	BLK2	274	285	290	290	290	290	296	297	297	297	297	296	296	296	295	295	294	294	292	292	291	291	293	293
PLPS	GT11	115	107	115	112	61	65	62	62	61	62	62	62	61	63	62	57	101	111	119	145	145	143	142	141
PLPS	GT12	119	115	122	120	66	69	64	65	64	64	64	64	65	68	64	60	69	120	122	141	140	140	138	137
PLPS	GT13	119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75	152	152	152	152	149	151	149
PLPS	ST18	201	136	134	136	102	96	95	94	96	94	94	97	98	100	96	110	139	206	214	215	215	214	214	214
TJGS	GT1A	200	218	222	222	213	221	192	203	194	218	193	191	197	224	205	195	219	218	221	193	204	218	217	213
TJGS	GT1B	195	212	219	219	212	219	185	200	184	210	182	185	190	217	191	185	218	215	210	187	197	213	213	213
TJGS	ST1C	252	250	253	253	243	253	250	234	228	246	224	228	228	252	233	227	249	256	247	226	233	254	254	254
TJGS	GT2A	201	216	220	216	209	219	187	187	188	144	144	144	142	144	144	133	187	219	218	218	216	216	216	216
TJGS	GT2B	197	212	218	214	206	216	184	186	185	141	141	141	141	141	141	128	184	219	221	221	219	219	219	219
TJGS	ST2C	259	258	261	261	250	262	241	239	241	216	216	216	216	216	216	210	218	263	263	263	263	263	263	263
Total CCGT-Gas		6683	6377	5987	5825	5506	5391	5195	5111	4915	4892	4790	4785	4805	4936	4875	4790	5086	5967	6599	7197	7294	7343	7538	
CBPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CBPS	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CBPS	GT06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	95	108	107	68	67	66	66
PDPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PKLG	GT08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PKLG	GT09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	69	66	68	67	67	67
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122	122	122	122	122	122	122
Total CCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	196	561	572	637	554	
BSIA	HY01	0	0	0	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
BSIA	HY02	24	24	23	24	23	24	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
BSIA	HY03	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY02	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY04	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
KNRG	HY01	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
KNRG	HY02	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
KNRG	HY03	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
KNYR	HY01	61	60	80	65	64	71	63	60	62	61	61	63	78	61	65	65	79	64	94	94	94	94	94	94
KNYR	HY02	98	98	98	98	98	98	98	98	62	63	61	63	80	65	57	70	78	66	70	75	98	90	97	97

