

Daily System Generation Summary on Friday

Friday, November 04, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,202 MW
Hydro	2,507 MW
Distillate	0 MW
Total TNB	5,709 MW
Total IPP	13,096 MW
Total Co-Gen	60 MW
Total System	18,865 MW

Generation Mix

Type	MWh	Percentage
Gas	66,283	19.99 %
Hydro	12,643	3.81 %
Total TNB	78,926	23.81 %
ST-Coal	170,481	51.42 %
ST-Gas	5,565	1.68 %
Gas	76,212	22.99 %
Total IPP	252,258	76.09 %
Co-Gen	1,311	0.40 %
Total Co-Gen	1,311	0.40 %
Total Generation	332,495	100.29 %
PLTG	236	0.07 %
HVDC	721	0.22 %
Interconnection	957	0.29 %
Net Energy	331,538	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	17,071 MW
TNB Generation	3,827 MW
IPP Generation	11,701 MW
Spinning Reserve	1,490 MW
Maximum Demand	15,537 MW
Net Energy	331,538 MWH
Load Factor	88.91 %

Fuel Cost

Total Cost:	47,445,805.55 RM
Cost per Unit	14.90 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	368
Hydro	361
Syncon	785
Thermal	193
Total	1,707

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	48
GLGR	17
PAKA	196
PGPS	27
SRDG	28
TJGS	206
Total TNB	521
KLPP	98
MPSS	1
NPRI	70
PDPS	17
PGLA	30
PKLG	17
PLPS	96
PTEK	42
SGB3	2
SGRI	181
SKSP	49
PKLG	55
Total IPP	659
Total Gas	1,180
Total Gas Required	1,180

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	13510	12866	12410	11981	11725	11599	11753	11742	12130	13697	14588	15114	15097	14625	14975	15388	15447	15192	14218	14778	15111	14809	14316	14070

Prepared By: Ibrahim bin Said

Checked By: Siti Nurhamizatul Aini

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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
SGB3	GT33	117	117	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	ST34	61	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT11	110	110	110	64	65	65	66	66	66	67	66	66	65	65	65	65	141	139	138	134	127	128	128	123
SGRI	GT12	116	116	116	72	70	70	71	71	71	71	72	71	71	72	151	148	148	144	136	136	137	136	136	116
SGRI	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	54	139	139	137	137	135	135	135	135	114	113
SGRI	ST14	133	132	132	99	97	97	97	99	99	96	96	97	96	96	100	97	97	145	217	218	213	215	215	213
SGRI	GT21	0	0	0	0	0	0	0	0	0	0	0	0	0	44	140	137	136	135	137	136	136	136	136	136
SGRI	GT22	116	116	116	116	116	116	116	108	71	71	71	79	142	141	141	139	139	138	139	139	139	141	141	139
SGRI	GT23	110	110	110	110	110	110	109	109	101	68	64	64	64	65	65	64	144	142	142	135	135	139	139	135
SGRI	ST24	132	133	131	130	135	134	134	134	127	109	97	97	98	98	96	97	98	137	212	219	212	213	218	215
SKSP	BLK1	298	297	298	221	216	216	218	219	217	234	217	218	219	219	217	219	224	217	309	306	310	308	307	307
TJGS	GT1A	188	105	108	199	148	225	149	111	115	156	201	211	225	226	182	220	223	224	224	223	220	223	220	220
TJGS	GT1B	177	100	100	191	142	215	141	105	106	148	191	205	217	217	170	213	216	215	213	216	216	213	216	216
TJGS	ST1C	239	167	164	216	194	240	207	160	156	160	197	214	245	248	239	245	248	250	235	249	249	249	249	249
TJGS	GT2A	214	214	214	214	214	214	183	183	183	143	145	144	145	145	144	143	214	212	212	212	212	212	212	212
TJGS	GT2B	211	211	211	211	211	211	181	181	181	140	140	140	140	140	142	140	209	209	209	209	209	209	209	209
TJGS	ST2C	259	259	259	259	259	237	237	237	216	216	216	216	216	216	216	259	259	259	259	259	259	259	259	259
Total CCGT-Gas		5352	4981	4749	4633	4444	4702	4431	4434	4363	4214	4225	4270	4352	4561	4323	4327	4693	5482	6152	6335	6406	6505	6548	6539
CLGR	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	112	110	110	110	92	93	92	91
PDPS	GT01	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	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	87	108	104	24	78	109	109	108
PKLG	GT08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94	92	93	61	61	92	92	92
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	69	110	108	108	108	107	22	77
PTEK	GT1B	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	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
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	112	111	111	111	21	79	110	110
SRDC	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	131	133	132	129	89	93	92
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123	123	84	87	87	122
Total CCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	112	110	110	244	333	446	747	762
BSIA	HY01	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
BSIA	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
BSIA	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
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	7	8	7	8	7	7	7
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	7	8	7	7	7	7	7
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	7	7	7	7	7	7	7
CEND	HY04	7	8	8	8	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
HTRG	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
KNRG	HY01	34	22	22	22	22	22	22	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
KNRG	HY02	35	22	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	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	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
KNYR	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
KNYR	HY04	60	57	57	61	61	60	59	54	49	62	61	60	61	61	58	60	61	59	59	59	84	102	101	102

