

Daily System Generation Summary on Monday

Monday, November 07, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,115 MW
Hydro	2,507 MW
Distillate	0 MW
Total TNB	5,622 MW
Total IPP	12,937 MW
Total Co-Gen	60 MW
Total System	18,619 MW

Generation Mix

Type	MWh	Percentage
Gas	63,740	18.95 %
Hydro	14,468	4.30 %
Total TNB	78,208	23.25 %
ST-Coal	164,962	49.04 %
ST-Gas	1,115	0.33 %
ST-Oil	7,601	2.26 %
Gas	82,275	24.46 %
Total IPP	255,953	76.09 %
Co-Gen	1,144	0.34 %
Total Co-Gen	1,144	0.34 %
Total Generation	335,305	99.67 %
PLTG	-487	-0.14 %
HVDC	-609	-0.18 %
Interconnection	-1,096	-0.33 %
Net Energy	336,401	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:	16:00:00 Hour
Total Set On Bus	17,745 MW
TNB Generation	4,015 MW
IPP Generation	11,983 MW
Spinning Reserve	1,702 MW
Maximum Demand	16,090 MW
Net Energy	336,401 MWH
Load Factor	87.11 %

Fuel Cost

Total Cost:	47,694,599.20 RM
Cost per Unit	14.92 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	328
Hydro	605
Syncon	698
Thermal	206
Total	1,837

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	48
GLGR	13
PAKA	159
PGPS	26
SRDG	23
TJGS	219
Total TNB	488
KLPP	99
NPRI	160
PDPS	21
PGLA	26
PKLG	11
PLPS	88
PTEK	33
SGRI	181
SKSP	32
PKLG	11
Total IPP	660
Total Gas	1,148
Total Gas Required	1,223

Alternate Fuel Usage

Station	(mmscfd)
PKLG	75
Total	75

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	13081	12366	12001	11546	11435	11267	11557	11548	12210	14221	15168	15700	15689	15343	15774	15994	16090	15601	14682	15053	15354	15188	14680	14134

Prepared By: Kannathason a/ Karupiah

Checked By: Abu Bakar bin K.K. Ibrahim

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(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Monday

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																																
PLPS	ST18	164	141	139	132	132	93	92	94	93	92	91	92	92	92	97	98	144	192	208	209	203	206	202	206	204	204	204	206	207	205	207	204	203	204	201	197	199	199	211	209	210	145	143	142	132	131	59									
SGRI	GT11	111	111	95	67	55	55	56	56	55	55	56	56	55	55	56	110	139	139	139	139	139	138	138	137	137	137	137	136	136	137	137	137	137	137	139	139	113	117	139	139	127	133	139	138	126	122	55	55								
SGRI	GT12	111	111	72	72	60	60	61	61	60	60	61	61	61	61	61	110	148	148	148	148	148	148	148	146	146	147	144	145	145	146	146	147	147	147	147	116	120	146	146	132	137	143	147	132	78	61	61									
SGRI	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	126	138	138	137	137	137	137	137	137	136	136	135	135	136	138	137	137	137	113	115	138	138	128	133	138	95	0	0	0	0										
SGRI	ST14	146	133	124	94	90	90	87	89	85	89	86	86	89	90	85	85	133	207	219	218	220	220	217	217	218	220	220	218	216	220	218	219	216	218	216	219	199	203	220	216	210	203	219	215	148	137	88	89								
SGRI	GT21	139	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	136	113	113	137	136	120	130	8	0	0	0	0	0										
SGRI	GT22	142	110	111	111	66	66	66	66	66	66	65	71	70	70	70	111	143	141	141	142	142	141	141	141	141	140	139	140	140	141	141	141	141	141	141	117	118	140	140	125	132	142	134	133	71	61	61									
SGRI	GT23	138	104	104	104	60	60	60	60	60	60	64	64	64	65	65	111	144	142	142	142	142	143	143	142	142	141	141	141	141	142	145	142	142	141	141	112	112	138	137	119	127	138	127	127	65	57	57									
SGRI	ST24	216	159	133	130	96	92	93	93	90	92	92	92	97	97	95	96	131	168	217	217	217	217	216	216	217	217	219	219	217	218	218	214	218	218	217	220	197	195	219	221	207	205	178	145	142	115	93	85								
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	41	89	148	342	298	298	298	298	298	298	298	297	297	299	297	299	296	298	240	217	220	251	277	228	235	251	248	217	258	262	347										
TJGS	GT1A	226	224	229	229	224	223	184	185	225	221	223	227	184	187	225	223	227	218	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	117	222	223	226	226	226	226	226	226	226	221	226										
TJGS	GT1B	215	215	212	215	214	207	178	179	210	210	217	217	174	179	210	217	219	211	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	111	210	215	214	214	214	214	214	214	214	210	217											
TJGS	ST1C	253	253	250	253	249	250	232	193	230	236	248	254	244	245	225	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	186	230	252	252	252	252	252	252	252	252	256	242	254										
TJGS	GT2A	213	213	213	213	213	212	212	212	212	212	212	212	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	215	215	213	213	217	163	162	212	212	212	212	212	212	212	212	212							
TJGS	GT2B	210	210	210	210	210	210	210	209	209	209	209	209	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	215	215	213	213	217	163	162	212	212	212	212	212	212	212	212	212	212						
TJGS	ST2C	260	260	260	260	260	260	258	258	258	258	258	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	228	228	261	259	259	258	211	211	211	211	211	211	211	211	211	211	211						
Total CCGT-Gas		5643	5293	4898	4765	4485	4385	4299	4171	4192	4143	4161	4210	4309	4362	4334	4488	4896	5660	6226	6371	6600	6556	6549	6516	6554	6532	6471	6593	6661	6702	6678	6677	6625	6610	6650	6492	6090	6029	6474	6781	6653	6705	6490	6361	6122	5944	5664	5789								
GLGR	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113	113	113	0	0	7	113	113	113	112	112	112	111	110	110	109	110	93	63	63	112	112	54	0	0	0	0	0	0	0	0	0	0								
PDPS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	109	109	109	109	109	109	109	109	102	104	102	104	90	66	39	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	107	38	38	37	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	0	0	0	0	0	0	0	0	109	109	40	40	39	39	39	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	78	109	108	109	109	109	98	98	97	99	89	62	39	39	38	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	89	94	94	93	94	93	93	93	93	93	93	93	93	92	92	93	93	61	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	0	0	0	0	0	0	0	0	0	101	100	75	73	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	103	97	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98				
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	0	0	0	0	0	0	0	0	0	53	108	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	87	109	109	100	100	99	100	99	100	99	100	99	100	99	100	99	100	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	98	100	99	99	97	98	71	98	98	99	99	99	92	70	39	32	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130	129	133	133	130	132	129	130	130	131	131	131	133	130	129	95	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDC	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	124	125	123	123	121	123	124	124	122	123	126	122	123	90	10	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
Total OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113	460	531	636	844	878	969	970	916	973	1008	1065	1052	1059	1226	1237	740	496	311	177	182	190 </																			

