

Daily System Generation Summary on Friday

Friday, November 22, 2019

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,334 MW
Distillate	0 MW
Total TNB	2,334 MW
Total IPP	14,255 MW
Total Co-Gen	0 MW
Total System	18,247 MW

Generation Mix

Type	MWh	Percentage
Hydro	15,480	4.29 %
Gas	31,915	8.85 %
Total TNB	47,395	13.14 %
ST-Coal	174,983	48.53 %
ST-Gas	8,107	2.25 %
LSS	1,664	0.46 %
Gas	126,760	35.15 %
Total IPP	311,514	86.39 %
Co-Gen	632	0.18 %
Total Co-Gen	632	0.18 %
Total Generation	359,541	99.71 %
PLTG	-187	-0.05 %
HVDC	-859	-0.24 %
Interconnection	-1,046	-0.29 %
Net Energy	360,587	100.00 %

Maximum Demand Record

Date: 4/18/2019	18,566 MW
Date: 4/18/2019	391,845 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	11:30:00 Hour
Total Set On Bus	18,106 MW
TNB Generation	2,548 MW
IPP Generation	14,014 MW
Spinning Reserve	1,520 MW
Maximum Demand	16,805 MW
Net Energy	360,587 MWH
Load Factor	89.40 %

Fuel Cost

Total Cost:	69,585,883.52 RM
Cost per Unit	19.34 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	515
Hydro	524
Syncon	689
Thermal	154
Total	1,882

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	53
PAKA	27
PGPS	49
SRDG	19
TJGS	107
Total TNB	254
CBPS	54
KLPP	113
MPSS	56
NPRI	133
PGLA	63
PKLG	6
PLPS	110
PTEK	28
SGB3	89
SGRI	152
YPKA	61
PKLG	80
Total IPP	945
Total Gas	1,199
Total Gas Required	1,199

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	14763	14129	13550	13258	12924	12660	12891	13035	13345	15050	15986	16557	16687	16103	16321	16752	16688	16328	15516	15900	16073	15829	15339	14840

Prepared By: -Select Name-

Checked By: -Select Name-

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(Ir. Shanmugam Thoppalan)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Friday

		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			
SGRI	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	35	142	142	142	142	142	142	142	142	142	110	110	110	110	135	135	135	135	135	135	110	110	110	110	145	145	145	110	110	70	70	0	0	0
SGRI	GT12	110	110	110	63	70	70	70	70	70	70	70	70	70	70	110	110	110	143	143	143	143	143	143	143	143	143	110	110	110	110	135	135	135	135	135	135	110	110	110	110	144	144	144	110	110	110	110	110	110	70	
SGRI	GT13	99	67	66	66	69	66	65	65	65	66	67	65	95	110	110	112	137	135	134	134	134	134	134	134	133	109	107	107	107	131	131	131	128	128	124	71	68	82	138	138	135	107	107	107	108	107	105	130			
SGRI	ST14	140	79	63	109	104	98	103	100	101	101	100	100	101	107	164	125	182	204	216	214	216	215	214	215	214	193	191	191	191	210	210	212	212	212	190	178	178	215	214	215	191	191	175	176	137	128	114				
SGRI	GT21	107	107	108	108	114	107	108	108	108	108	108	108	107	111	107	108	105	134	110	131	122	131	127	131	123	108	108	122	120	126	131	131	131	131	127	130	109	113	137	137	108	136	108	112	109	112	109	137			
SGRI	GT22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79	113	141	125	136	130	141	127	111	111	127	126	129	141	140	132	132	132	136	111	115	146	146	112	141	112	72	0	0	0	0		
SGRI	GT23	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	27	143	115	137	114	114	115	117	115	149			
SGRI	ST24	62	63	62	62	59	63	62	63	61	62	62	62	61	63	62	62	64	113	128	144	130	146	137	147	133	129	127	134	133	141	144	142	142	139	142	138	123	123	138	201	185	213	192	182	156	129	128	143			
TJGS	GT1A	224	226	217	182	233	231	153	195	213	233	205	231	211	227	205	196	212	205	227	225	222	222	220	223	223	221	220	223	223	223	221	223	223	223	219	216	221	221	225	217	218	220	214	221	223	222	217	210			
TJGS	GT1B	216	217	209	177	220	216	139	188	204	215	199	217	204	217	198	189	201	200	214	218	215	214	217	215	216	212	214	215	216	210	212	217	215	216	211	212	213	217	217	214											

