

Daily System Generation Summary on Thursday

Thursday, March 28, 2019

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,766 MW
Distillate	0 MW
Total TNB	1,766 MW
Total IPP	17,085 MW
Total Co-Gen	83 MW
Total System	21,436 MW

Generation Mix

Type	MWh	Percentage
Hydro	5,909	1.55 %
Gas	47,487	12.44 %
Total TNB	53,396	13.99 %
ST-Coal	217,281	56.94 %
ST-Gas	4,869	1.28 %
LSS	1,525	0.40 %
Gas	103,403	27.10 %
Total IPP	327,078	85.71 %
Co-Gen	1,688	0.44 %
Total Co-Gen	1,688	0.44 %
Total Generation	382,162	100.15 %
PLTG	-158	-0.04 %
HVDC	731	0.19 %
Interconnection	573	0.15 %
Net Energy	381,589	100.00 %

Maximum Demand Record

Date: 3/19/2019	18,402 MW
Date: 3/20/2019	390,048 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	19,244 MW
TNB Generation	2,703 MW
IPP Generation	15,188 MW
Spinning Reserve	1,285 MW
Maximum Demand	18,035 MW
Net Energy	381,589 MWH
Load Factor	88.16 %

Fuel Cost

Total Cost:	81,378,955.05 RM
Cost per Unit	21.63 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	492
Hydro	258
Syncon	854
Thermal	126
Total	1,730

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	50
PAKA	48
PGPS	36
SRDG	10
TJGS	208
Total TNB	352
KLPP	94
MPSS	45
NPRI	152
PGLA	105
PKLG	3
PLPS	90
PTEK	13
SGB3	51
SGRI	58
SKSP	36
YPKA	28
PKLG	49
Total IPP	723
Total Gas	1,075
Total Gas Required	1,075

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	15680	14966	14484	14027	13651	13532	13388	13490	13904	15713	16655	17335	17332	17075	17823	18027	18011	17531	16461	16006	16892	16753	16285	16042

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, April 05, 2019 12:36:43 PM

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

Daily MW Generation on Thursday

		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	116	109	109	106	106	109	113	109	110	110	113	113	113	110	110	113	109	110	135	137	137	135	120	136	136	136	136	139	139	135	135	136	139	132	136	106	106	107	120	116	117	116	117	116	116	117	118		
SGRI	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	125	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	
SGRI	GT13	65	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103	133	131	119	130	130	131	131	133	132	132	134	134	133	133	129	128	107	104	107	121	116	116	116	113	79	0	0	0		
SGRI	ST14	149	114	67	68	65	65	66	67	66	65	63	69	65	65	66	66	64	71	123	148	153	211	150	150	147	150	149	149	149	151	151	148	148	148	149	134	132	131	140	138	137	137	136	124	70	66	69		
SKSP	BLK1	93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	330	258	329	334	332	343	327	339	295	316	339	338	335	322	318	331	336	309	313	222	218	235	340	220	218	231	328	218	301	339	322	
TJGS	GT1A	222	222	223	224	220	219	221	225	124	126	126	126	127	125	125	126	184	216	228	225	225	226	226	226	225	225	225	224	211	220	223	224	226	225	225	224	211	220	223	224	226	225	226	223	227	227	228		
TJGS	GT1B	214	212	212	216	213	211	214	214	120	118	119	115	117	119	119	116	173	215	216	217	219	214	217	217	216	213	216	216	217	215	214	215	215	217	202	208	217	212	215	215	215	217	211	214	216	216	211		
TJGS	ST1C	244	240	240	240	240	240	240	240	165	165	165	165	165	165	165	165	202	240	242	246	246	246	246	246	246	246	246	246	246	246	246	246	246	242	242	245	242	245	245	245	245	245	245	245	245	242			
TJGS	GT2A	209	209	209	209	209	208	140	146	148	145	145	148	147	147	147	146	166	194	208	214	214	214	214	214	214	214	214	214	214	214	214	214	214	215	214	214	214	214	214	214	214	214	214	214	214	214			
TJGS	GT2B	208	208	208	208	208	208	137	143	146	142	144	144	143	144	145	144	162	192	205	212	211	211	210	212	212	209	211	211	211	212	211	211	211	211	211	211	211	211	211	211	211	212	212	211	211	211	211		
TJGS	ST2C	257</																																																

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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