

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,668 MW
Hydro	2,275 MW
Distillate	0 MW
Total TNB	4,943 MW
Total IPP	14,060 MW
Total Co-Gen	57 MW
Total System	19,624 MW

Generation Mix

Type	MWh	Percentage
Gas	46,827	13.13 %
Hydro	22,504	6.31 %
Total TNB	69,331	19.44 %
ST-Coal	195,182	54.73 %
Gas	90,175	25.29 %
Total IPP	285,357	80.02 %
Co-Gen	1,098	0.31 %
Total Co-Gen	1,098	0.31 %
Total Generation	355,786	99.76 %
PLTG	-138	-0.04 %
HVDC	-701	-0.20 %
Interconnection	-839	-0.24 %
Net Energy	356,625	100.00 %

Maximum Demand Record

Date: 10/23/2017	17,790 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:00:00 Hour
Total Set On Bus	18,408 MW
TNB Generation	3,845 MW
IPP Generation	13,340 MW
Spinning Reserve	1,178 MW
Maximum Demand	17,286 MW
Net Energy	356,625 MWH
Load Factor	85.96 %

Fuel Cost

Total Cost:	60,797,280.49 RM
Cost per Unit	18.24 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	363
Hydro	386
Syncon	452
Thermal	123
Total	1,324

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	27
GLGR	54
PGPS	33
SRDG	9
TJGS	218
Total TNB	341
KLPP	97
MPSS	38
NPRI	80
PDPS	3
PGLA	1
PKLG	13
PLPS	88
PTEK	27
SGB3	92
SGRI	83
SKSP	54
YPKA	63
Total IPP	639
Total Gas	980
Total Gas Required	980

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	13628	12995	12527	12122	11813	11704	11951	11983	12833	14904	15933	16656	16624	16428	16953	17286	17261	16783	15671	16043	16460	16268	15852	15351

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																																		
SKSP	BLK1	320	347	218	219	223	219	296	232	223	221	229	218	289	346	254	219	309	349	295	301	334	298	336	225	228	279	279	298	324	296	294	284	338	336	336	337	336	337	337	337	337	337	337	335	334	336	251	280	297									
TJGS	GT1A	226	219	217	226	227	192	224	172	183	220	180	181	226	226	172	203	228	227	224	219	208	226	226	216	211	226	226	227	229	228	230	228	229	229	229	229	229	228	227	228	227	229	228	228	229	228	230	228	230	228								
TJGS	GT1B	213	213	211	216	214	186	217	164	175	211	167	177	218	216	164	197	219	216	214	214	204	212	211	210	207	206	209	209	211	211	212	212	212	213	212	212	212	212	212	212	213	213	214	214	214	214	214	214	214	213								
TJGS	ST1C	253	255	242	255	252	228	253	209	195	248	205	227	255	254	226	225	254	254	253	255	257	257	255	254	254	241	256	256	257	257	256	257	257	256	255	257	257	257	257	257	258	258	257	257	256	257	256	257	257	257								
TJGS	GT2A	223	222	208	220	221	203	222	204	210	204	208	191	221	222	189	190	224	221	219	216	203	220	221	202	192	213	214	213	214	214	213	214	215	214	215	214	214	214	214	214	214	214	213	214	214	214	214	214	215	214	215							
TJGS	GT2B	217	217	202	214	218	199	217	199	206	198	204	185	217	217	185	192	218	217	214	211	198	214	217	197	188	208	208	209	208	209	210	209	209	209	210	209	209	210	209	210	209	210	208	210	210	210	210	210	210	210	210							
TJGS	ST2C	260	263	254	253	254	248	261	241	243	252	242	249	262	262	242	249	262	263	261	262	263	262	262	259	259	260	259	259	259	259	259	258	258	258	258	259	259	258	258	259	259	258	258	259	258	257	258	257	258	258	258							
YPKA	GT11	137	136	137	136	137	136	62	63	63	63	62	63	62	62	62	62	63	135	136	134	133	133	132	132	134	133	133	131	131	132	132	131	132	132	133	134	134	136	134	133	136	137	137	137	137	139	137	139	138	138								
YPKA	ST10	63	62	63	63	63	63	33	33	33	33	33	33	33	33	32	33	33	33	61	62	63	63	62	63	63	62	62	62	62	62	62	62	62	62	63	63	62	63	62	63	62	62	63	62	62	63	62	63	63	63	63							
YPKA	GT21	134	134	134	134	134	134	64	64	63	64	64	63	64	63	64	64	64	132	132	130	130	130	129	128	130	130	130	129	128	128	128	128	129	128	131	130	131	130	131	130	134	135	135	135	135	134	135	135	135	135	135	135	135					
YPKA	ST20	65	66	66	66	66	66	40	39	39	39	39	39	39	39	39	39	39	63	65	65	65	65	66	65	66	65	65	65	65	65	65	65	65	65	65	66	65	66	65	66	65	66	65	66	65	66	65	66	65	66	65							
Total CCGT-Gas		4593	4499	4183	4072	3933	3778	3860	3570	3454	3457	3351	3322	3618	3751	3688	3860	4469	5417	5895	6248	6282	6301	6450	6284	6245	6344	6537	6562	6610	6612	6714	6694	6731	6733	6645	6721	6510	6246	6625	6785	6653	6794	6614	6800	6628	6404	6186	5808										
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	0	0	0	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	96	95	94	64	64	65	64	95	96	96	96	95	68	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	99	97	65	65	65	65	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	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105	104	65	65	69	106	106	105	95	81	82	68	69	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77	107	106	64	64	68	108	109	109	96	86	83	68	69	68	68	68	69	103	103	102	71	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	110	109	109	109	66	66	69	110	109	110	110	81	76	70	70	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	0	0	0	0	0	89	97	123	124	89	88	89	91	122	123	125	123	125	88	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	0	0	0	0	0	0	276	409	638	634	413	412	425	544	646	749	715	637	635	501	208	126	68	69	103	103	102	71	0	0	0	0	0	0	0	0	0	0	0				
BSIA	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	21	21	21	21	21	21	21	21	21	21	21	21	21	21						
BSIA	HY02	23	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13						
BSIA	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	12	13	13	12	24	13	13	12	24	24	25	25	25	25	25	25	25	24	24	23	23	23	23	23	23	23	23	23	23	23	23	23	23		
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	9	9	9	9	9	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	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	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	HY03	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12					
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	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8				
HTRG	HY02	63	63	63	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	125	125	125	125	125	125	125	125	124	124	124	-1	-1	124	124	124	124	125	125	125	63	-1	-1	-1	124	124	125	125	125	63	-1	-1	-1	-1	-1	-1	-1	-1				
KNRG	HY01	35	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23						
KNRG	HY02	37	26	25	26	26	26	26	26	26	26	26	25	26	26	25	25	26	26	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25				
KNRG	HY03	36	22	22	22	23	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	21	22	21	22	21	21	22																													

