

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,973 MW
Hydro	2,135 MW
Distillate	0 MW
Total TNB	5,108 MW
Total IPP	14,528 MW
Total Co-Gen	0 MW
Total System	20,200 MW

Generation Mix

Type	MWh	Percentage
Gas	36,504	10.55 %
Hydro	17,314	5.00 %
Total TNB	53,818	15.56 %
ST-Coal	185,561	53.63 %
Gas	104,647	30.25 %
Total IPP	290,208	83.88 %
Co-Gen	1,388	0.40 %
Total Co-Gen	1,388	0.40 %
Total Generation	345,414	99.84 %
PLTG	-160	-0.05 %
HVDC	-407	-0.12 %
Interconnection	-567	-0.16 %
Net Energy	345,981	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:	14:30:00 Hour
Total Set On Bus	17,645 MW
TNB Generation	2,711 MW
IPP Generation	13,412 MW
Spinning Reserve	1,467 MW
Maximum Demand	16,266 MW
Net Energy	345,981 MWH
Load Factor	88.63 %

Fuel Cost

Total Cost:	55,894,938.60 RM
Cost per Unit	17.04 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	367
Hydro	340
Syncon	696
Thermal	226
Total	1,629

Time Weather Temperature

Afternoon	Hot	38
Morning	Rainy	28

Gas Usage

Station	(mmscfd)
GLGR	53
TJGS	206
Total TNB	258
CBPS	52
KLPP	76
MPSS	50
NPRI	142
PGLA	106
PLPS	67
PTEK	14
SGB3	66
SGRI	167
SKSP	49
Total IPP	787
Total Gas	1,045

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 1,045

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	13905	13181	12842	12564	12206	11942	12262	12448	12748	14529	15419	15936	15780	15404	15879	16136	16137	15699	14984	14861	15867	15770	15247	14767

Daily MW Generation on Wednesday

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																															
TJGS	GT1A	229	228	232	208	220	220	229	203	126	142	122	140	211	232	229	190	230	229	228	228	226	226	227	227	227	227	227	225	226	226	226	226	213	224	210	136	162	228	226	227	222	226	229	199	212	224									
TJGS	GT1B	218	216	214	197	212	216	215	194	116	133	115	129	204	219	216	181	217	217	220	217	218	215	216	219	215	219	220	220	216	216	216	216	216	205	216	205	129	155	217	215	213	213	212	219	193	201	214								
TJGS	ST1C	248	248	245	245	244	244	238	209	169	189	172	184	233	247	250	234	248	248	248	248	251	251	251	255	251	251	251	252	252	252	252	252	244	248	244	191	181	250	250	250	250	247	248	223	210	248									
TJGS	GT2A	215	218	218	218	148	148	149	105	105	105	105	105	106	106	106	105	105	216	216	213	213	213	213	213	213	213	213	213	213	213	215	215	215	215	215	215	215	215	215	215	215	215	215	215	214	213	213	215							
TJGS	GT2B	177	220	220	220	149	149	149	100	100	100	100	100	100	100	100	100	100	100	100	177	177	177	177	177	177	177	177	210	210	211	211	211	211	211	211	211	211	211	211	211	210	210	210	210	210	210	212	212							
TJGS	ST2C	258	257	257	257	211	211	211	193	193	193	193	193	193	193	193	193	193	256	256	256	256	256	256	256	256	256	256	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258						
Total CCGT-Gas		5525	5435	5057	4772	4653	4515	4396	4196	3993	3959	3874	3995	4148	4442	4347	4096	4641	5502	6261	6582	6920	6908	6999	6891	6725	6705	6732	6840	7007	7005	6926	6997	6940	6956	6744	6542	6440	6133	6182	6870	6749	6666	6530	6374	6269	6108	5913	5630							
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96	107	108	108	28	26	34	80	108	107	107	107	107	91	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	103	110	29	28	35	81	110	110	109	110	109	82	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	96	107	111	218	57	54	69	161	218	217	216	217	216	173	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
BSIA	HY01	12	12	12	12	12	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	12	0	0	0	0	12	11	12	12	12	11	12	12	12	12	12	12	20	20	20	20	11	11	11	0								
BSIA	HY02	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	10	10	10	22	22	21	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	21	21	21	21	12	12	12	13						
BSIA	HY03	11	11	11	11	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	11	11	11	12	12	12	11	12	11	11	10	11	11	12	12	12	23	23	23	23	12	12	12	0									
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					
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					
CEND	HY03	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10				
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				
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	-1	-1	-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	-1	-1	-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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	35	36	36	36	36	36	35	35	35	35	35	35	23	24	24	24	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	37	0	0	0	37	36	37	37	36	36	26	26	26	26	26	26	26	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
KNRG	HY03	37	37	37	37	37	37	37	37	23	22	23	23	23	23	23	23	22	22	23	23	37	37	36	35	36	36	36	36	36	36	35	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36		
KNYR	HY01	99	99	99	99	100	99	99	98	98	58	58	58	58	58	58	58	58	100	99	100	100	99	100	100	98	100	99	100	100	98	100	98	98	93	93	93	98	98	100	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	
KNYR	HY02	0	0	0	0	0	0	0	0	0	61	60	61	61	61	61	61	61	101	100	102	101	100	101	100	99	101	100	103	103	102	99	101	99	99	95	94	94	99	99	102	100	100	100	100	101	98	99	99	99	99	99	99			
KNYR	HY03	100	100	100	100	100	101	100	100	99	60	59	59	59	59	59	60	60	100	99	100	99	99	99	98	99	99	99	100	100	100	98	100	98	98	93	92	93	98	98	100	99	98	98	99	99	99	99	99	99	99	99	99	99		
KNYR	HY04	100	100	101	100	100	100	100	100	74	60	75	69	75	82	72	83	71	83	100	89	75	100	62	77	78	60	100	100	100	98	100	98	98	93	93	98	98	100	99	98	98	99	99	99	99	99	99	99	99	99	99	99	99		
LPIA	HY01	10	10	10	9	9	9	9	10	10	9	9	9	10	10	11	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22				
LPIA	HY02	14	14	14	14	9	7	11	11	4	13	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	6	6	6	6	2	2	3	3	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
PGAU	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
PGAU	HY02	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
PGAU	HY03	-1	-1	22	-1																																																			

