

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,188 MW
Hydro	1,798 MW
Distillate	0 MW
Total TNB	5,986 MW
Total IPP	14,722 MW
Total Co-Gen	0 MW
Total System	21,272 MW

Maximum Demand Record

Date: 3/21/2016	17,358 MW
Date: 3/10/2016	359,307 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	18,285 MW
TNB Generation	4,154 MW
IPP Generation	12,972 MW
Spinning Reserve	1,117 MW
Maximum Demand	17,073 MW
Net Energy	353,697 MWH
Load Factor	86.32 %

Gas Usage

Station	(mmscfd)
CBPS	31
GLGR	51
PAKA	89
PGPS	43
SRDG	18
TJGS	215
Total TNB	446
KLPP	97
NPRI	150
PDPS	3
PGLA	115
PKLG	11
PLPS	93
PTEK	38
SGRI	157
SKSP	33
Total IPP	698
Total Gas	1,144
Total Gas Required	1,144

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	59,334	16.78 %
Hydro	10,636	3.01 %
Total TNB	69,970	19.78 %
ST-Coal	192,843	54.52 %
Gas	90,611	25.62 %
Total IPP	283,454	80.14 %
Co-Gen	997	0.28 %
Total Co-Gen	997	0.28 %
Total Generation	354,421	100.20 %
PLTG	-5	0.00 %
HVDC	729	0.21 %
Interconnection	724	0.20 %
Net Energy	353,697	100.00 %

Fuel Cost

Total Cost:	48,097,445.65 RM
Cost per Unit	13.99 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	472
Hydro	288
Syncon	431
Thermal	156
Total	1,347

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	27

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	14329	13509	13065	12699	12353	12009	12251	12100	12630	14421	15375	16094	16067	15850	16544	16847	17073	16735	15300	14878	16050	16127	15780	15317

Daily MW Generation on Tuesday

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																											
SGRI	GT23	142	81	64	63	63	62	62	63	63	63	63	62	62	63	82	112	112	112	112	137	114	132	120	135	117	137	133	135	121	135	137	115	115	128	116	112	114	132	120	139	139	116	139	114	121	114					
SGRI	ST24	143	115	89	91	91	91	91	89	89	89	91	90	92	92	91	102	132	132	133	135	149	132	145	138	148	138	144	148	144	143	144	144	131	131	137	132	135	133	139	133	145	145	137	145	132	138	129				
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	138	343	342	341	268	268	238	218	219	218	217	219	298	298	297	298	299	297	300	299	296	241	276	245	297	284	246	250	338	341	346					
TJGS	GT1A	228	228	228	228	228	226	228	185	181	151	155	123	191	228	151	122	186	229	222	197	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	185	122	148	219	225	225	225	225	222	220	178			
TJGS	GT1B	216	216	216	216	216	219	217	177	177	145	148	116	181	216	147	118	178	220	211	190	215	215	215	215	212	212	212	212	212	212	212	212	212	212	212	212	180	118	142	207	215	215	215	215	215	215	215	169			
TJGS	ST1C	254	254	254	254	254	247	251	241	207	196	195	169	204	241	203	165	209	251	251	232	248	248	251	251	251	251	251	251	251	251	251	251	251	251	251	251	195	166	184	235	250	250	250	250	250	250	250	208			
TJGS	GT2A	224	224	224	224	224	210	222	194	190	186	186	195	193	188	188	189	191	222	198	203	221	221	223	218	220	218	218	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	224	
TJGS	GT2B	221	221	221	221	221	207	218	192	188	184	183	193	192	187	186	185	183	217	193	200	224	224	224	221	221	221	218	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	
TJGS	ST2C	262	262	262	262	262	242	260	241	239	241	241	239	240	248	240	238	240	260	256	242	266	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264		
Total CCGT-Gas		6339	5756	5551	5439	5212	4903	4638	4323	4299	4201	4151	4113	4354	4408	4192	3987	4534	5663	6385	6646	6956	7012	6832	6889	6818	6860	6821	6866	6891	6990	6940	6984	6696	6656	6581	6791	6407	6044	6192	6815	6784	6901	6882	6738	6891	6809	6844	6644			
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	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	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	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRDG	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSIA	HY02	11	12	12	11	11	12	12	11	11	12	12	12	12	12	12	11	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	11	
BSIA	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CEND	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	10	9	9	9	9	9	10	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	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	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	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
HTRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY01	21	21	20	20	20	21	21	20	21	20	21	21	21	20	21	21	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNYR	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		
KNYR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNYR	HY03	-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			
KNYR	HY04	72	104	60	58	58	60	80	60	59	62	57	71	71	61	60	61	72																																		

