

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,442 MW
Hydro	2,388 MW
Distillate	0 MW
Total TNB	4,830 MW
Total IPP	15,937 MW
Total Co-Gen	0 MW
Total System	21,339 MW

Generation Mix

Type	MWh	Percentage
Gas	37,596	10.45 %
Hydro	9,704	2.70 %
Total TNB	47,300	13.14 %
ST-Coal	200,272	55.65 %
Gas	110,949	30.83 %
Total IPP	311,221	86.48 %
Co-Gen	1,276	0.35 %
Total Co-Gen	1,276	0.35 %
Total Generation	359,797	99.97 %
PLTG	206	0.06 %
HVDC	-302	-0.08 %
Interconnection	-96	-0.03 %
Net Energy	359,893	100.00 %

Maximum Demand Record

Date: 4/12/2018	17,997 MW
Date: 4/12/2018	380,797 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	18,467 MW
TNB Generation	2,636 MW
IPP Generation	14,050 MW
Spinning Reserve	1,727 MW
Maximum Demand	16,812 MW
Net Energy	359,893 MWH
Load Factor	89.20 %

Fuel Cost

Total Cost:	62,591,878.59 RM
Cost per Unit	17.88 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	349
Hydro	653
Syncon	715
Thermal	140
Total	1,857

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	27
GLGR	53
PGPS	38
TJGS	162
Total TNB	279
CBPS	54
KLPP	73
MPSS	33
NPRI	162
PGLA	108
PLPS	90
SGRI	160
SKSP	35
YPKA	29
Total IPP	742
Total Gas	1,022

Total Gas Required 1,022

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	14919	14216	13712	13216	12923	12735	12737	12530	13209	15167	16101	16655	16562	16263	16618	16629	16522	16252	15221	14988	16092	15996	15307	15048

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																											
SGRI	GT21	135	135	134	107	111	68	67	72	69	68	69	72	72	68	68	72	137	138	138	139	135	131	139	122	109	112	111	129	125	112	121	118	133	116	120	121	121	122	133	130	134	134	123	111	130	112	23				
SGRI	GT22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	144	144	133	131	142	125	112	116	114	133	125	115	125	123	135	117	87	125	121	122	141	133	0	0	0	0	0	0	0	0			
SGRI	GT23	141	141	140	104	111	70	65	68	64	68	69	69	72	68	65	64	67	141	143	146	144	133	129	144	125	110	112	111	131	124	111	125	121	133	114	121	125	120	120	141	131	142	142	122	110	127	110	108			
SGRI	ST24	136	133	134	126	130	95	98	98	95	98	97	98	97	99	96	94	98	146	142	212	209	213	208	216	207	199	193	194	211	204	198	202	206	220	205	199	202	201	201	216	214	171	146	133	125	138	130	89			
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	66	114	346	346	344	345	345	315	219	329	345	345	344	339	336	336	336	327	341	243	264	344	281	346	350	345	331	345	338	329	329	329			
TJGS	GT1A	205	227	205	226	214	194	185	211	187	217	188	172	175	225	145	153	164	230	229	229	225	227	223	224	226	226	224	225	226	228	224	222	224	226	223	225	219	208	211	219	219	224	223	225	210	227	217	213			
TJGS	GT1B	198	214	218	198	209	184	181	207	180	210	179	166	166	217	137	147	157	218	219	218	216	217	217	217	217	217	217	216	216	216	216	215	216	215	216	214	203	207	214	213	219	216	213	202	212	211	209				
TJGS	ST1C	245	244	240	238	245	227	218	237	214	244	216	194	189	226	183	181	210	250	255	251	253	253	254	253	252	252	252	253	253	253	252	253	252	253	246	245	237	245	246	250	249	245	242	243	243	241	241				
TJGS	GT2B	214	215	214	215	215	215	215	215	165	158	158	157	157	158	158	227	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228	214	202	193	216	215	216	214	214	214	214	214	215			
TJGS	ST2C	122	122	122	122	122	122	122	122	104	100	100	100	100	100	100	100	100	100	127	126	127	128	127	128	127	127	127	127	128	128	128	127	127	128	128	121	119	114	123	122	123	122	122	122	122	122	122				
YPKA	GT21	125	125	125	124	65	65	65	65	65	65	65	65	65	64	64	65	65	129	131	130	130	130	130	130	128	129	130	128	129	128	129	127	129	130	128	129	65	65	65	124	125	126	126	125	124	126	126	126			
YPKA	ST20	57	57	57	56	37	37	37	37	37	37	37	37	37	37	37	37	37	59	60	59	60	60	60	60	60	60	60	61	61	61	61	61	61	61	60	60	40	38	38	58	58	59	58	58	58	58	59	59			
Total CCGT-Gas		5732	5669	5454	5323	5131	4880	4780	4622	4487	4417	4345	4338	4379	4501	4252	4275	4846	5958	6215	6726	7243	7237	7366	7464	7327	7162	7279	7368	7557	7510	7424	7446	7408	7378	7117	6950	6611	6338	6370	7166	7097	6975	7001	6805	6458	6344	6318	6060			
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		
BSIA	HY01	21	0	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	12	12	12	12	12	12	12	12			
BSIA	HY02	22	23	23	23	23	23	23	23	23	23	23	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11		
BSIA	HY03	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	11	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	HY01	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	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		
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		
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			
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			
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			
KNRG	HY01	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	HY02	36	38	38	38	38	38	38	38	38	38	38	25	26	26	27	27	26	26	27	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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			
KNYR	HY02	57	55	56	55	59	57	56	57	55	58	57	57	58	59	55	53	59	103	100	59	62	78	59	61	58	59	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58		
KNYR	HY03	64	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66	66	76	79	65	63	64	64	63	64	64	62	63	69	74	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
KNYR	HY04	59	79	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	60	59	60	66	58	59	58	59	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58		
LPIA	HY01	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	19	19	19	19	19	19	20	20	20	17	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	15	15	15	15	15	
LPIA	HY02	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11			
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
PGAU	HY01	22	21	22</																																																

