

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,019 MW
Hydro	2,258 MW
Distillate	0 MW
Total TNB	<u>5,277 MW</u>
Total IPP	<u>13,949 MW</u>
Total Co-Gen	<u>0 MW</u>
Total System	<u>19,226 MW</u>

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:	16:30:00 Hour
Total Set On Bus	18,307 MW
TNB Generation	4,321 MW
IPP Generation	12,471 MW
Spinning Reserve	1,452 MW
Maximum Demand	16,834 MW
Net Energy	345,216 MWH
Load Factor	85.45 %

Gas Usage

Station	(mmscfd)
CBPS	47
GLGR	54
PAKA	83
PGPS	0
SRDG	28
TJGS	217
Total TNB	430
KLPP	102
MPSS	51
NPRI	146
PDPS	20
PGLA	111
PKLG	10
PLPS	80
PTEK	35
SGRI	185
SKSP	20
PKLG	35
Total IPP	795
Total Gas	1,225
Total Gas Required	1,225

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	55,728	16.14 %
Hydro	19,311	5.59 %
Total TNB	75,039	21.74 %
ST-Coal	166,917	48.35 %
ST-Gas	3,408	0.99 %
Gas	98,253	28.46 %
Total IPP	268,578	77.80 %
Co-Gen	1,497	0.43 %
Total Co-Gen	1,497	0.43 %
Total Generation	345,114	99.97 %
PLTG	534	0.15 %
HVDC	-636	-0.18 %
Interconnection	-102	-0.03 %
Net Energy	345,216	100.00 %

Fuel Cost

Total Cost:	59,363,949.15 RM
Cost per Unit	18.22 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	616
Hydro	314
Syncon	464
Thermal	123
Total	1,517

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	33
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	13202	12565	12091	11785	11371	11310	11682	11886	12300	14263	15306	16053	16016	15743	16269	16740	16786	16546	15225	15006	15963	15844	15416	15007

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
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	GT13	137	136	136	139	110	113	65	63	62	64	65	63	64	61	64	63	60	108	112	109	112	113	113	113
PLPS	ST18	144	144	144	144	130	134	99	88	86	90	89	90	88	91	89	87	86	130	132	133	132	133	134	133
SGRI	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	138	136	111	136	137	134	134
SGRI	GT12	146	144	146	144	116	71	71	71	71	71	71	71	71	71	71	71	70	110	110	110	113	145	144	141
SGRI	GT13	132	132	132	132	109	65	64	64	64	65	64	64	64	64	64	63	106	107	106	111	133	135	135	132
SGRI	ST14	152	150	148	149	135	104	100	100	100	99	100	99	99	99	99	100	105	135	201	204	198	220	218	218
SGRI	GT21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	136	133	134	134	134	134	126
SGRI	GT22	140	140	139	140	111	111	71	71	71	71	71	71	101	140	140	140	140	140	139	139	139	139	138	132
SGRI	GT23	155	145	143	149	108	117	80	67	64	74	63	61	64	120	140	134	138	131	149	162	154	146	153	151
SGRI	ST24	143	141	140	142	126	125	112	94	94	94	93	93	104	142	142	142	144	214	214	216	218	215	215	215
SKSP	BLK1	218	217	218	236	220	219	218	223	219	308	218	277	333	282	218	217	217	218	219	219	222	255	0	0
TJGS	GT1A	208	192	203	202	225	226	225	233	114	122	120	118	119	205	217	213	225	223	232	223	227	227	228	228
TJGS	GT1B	204	182	198	192	212	217	216	214	104	114	113	112	108	197	207	206	214	216	214	214	218	216	218	217
TJGS	ST1C	236	222	228	225	244	247	244	244	172	172	165	170	177	220	247	233	231	232	246	250	249	252	252	252
TJGS	GT2A	222	220	220	222	222	222	222	225	222	222	224	224	224	224	224	224	224	222	219	219	219	219	219	219
TJGS	GT2B	220	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	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261
Total CCGT-Gas		5729	5472	5526	5630	5286	5201	4945	4912	4582	4720	4607	4670	4761	4952	5100	5004	5214	6008	6566	6721	6722	6868	6721	
PDPS	GT01	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	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96	80	58	60	57	55	57
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
PKLG	GT09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99	98	98	98	98	71	71	71
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	56	66	69	55	54	61	62
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
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	109	109	100	69	71	76
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96	70	79	69	71	69	69	69
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	122	123	123	122	122	89
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	124	126	126	125	125	125	90	89
Total OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	287	579	684	732	920	839	
BSIA	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	20	20	20	20	20	20
BSIA	HY03	11	11	12	12	11	12	12	12	12	12	12	11	12	12	11	11	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
CEND	HY02	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	65	65	128	128	127	65	65
HTRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	64	64	64	64	64	64	64
KNRG	HY01	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	35	34	34	34	34	34	34
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	36	36	36	36	36	36
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	36	36	36	36	36	36
KNYR	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
KNYR	HY02	98	99	99	100	99	99	99	99	99	100	100	100	99	99	99	99	99	100	100	100	100	99	99	99
KNYR	HY03	100	100	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101
KNYR	HY04	101	101	101	102	101	102	101	101	102	102	102	102	102	101	101	101	101	101	101	101	101	101	101	101
LPIA	HY01	25	25	25	25	25	25	25	25	25	25	25	25	25	19	19	19	19	19	19	19	19	19	19	19
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	111	-1	-1	-1	79	79	109	111	110	110	107
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	113	-1	-1	-1	82	82	82	113	113	113	113

