

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,019 MW
Hydro	2,383 MW
Distillate	0 MW
Total TNB	5,402 MW
Total IPP	13,997 MW
Total Co-Gen	60 MW
Total System	19,459 MW

Generation Mix

Type	MWh	Percentage
Gas	60,421	17.13 %
Hydro	23,476	6.66 %
Total TNB	83,897	23.79 %
ST-Coal	169,621	48.10 %
ST-Gas	8,738	2.48 %
Gas	88,367	25.06 %
Total IPP	266,726	75.64 %
Co-Gen	1,441	0.41 %
Total Co-Gen	1,441	0.41 %
Total Generation	352,064	99.84 %
PLTG	122	0.03 %
HVDC	-700	-0.20 %
Interconnection	-578	-0.16 %
Net Energy	352,642	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:	15:30:00 Hour
Total Set On Bus	17,838 MW
TNB Generation	4,672 MW
IPP Generation	12,118 MW
Spinning Reserve	991 MW
Maximum Demand	16,905 MW
Net Energy	352,642 MWH
Load Factor	86.92 %

Fuel Cost

Total Cost:	59,863,714.80 RM
Cost per Unit	18.21 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	399
Hydro	445
Syncon	412
Thermal	74
Total	1,330

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	47
GLGR	55
PAKA	144
PGPS	1
SRDG	7
TJGS	206
Total TNB	459
KLPP	107
MPSS	51
NPRI	140
PGLA	104
PLPS	67
PTEK	10
SGRI	158
SKSP	32
PKLG	88
Total IPP	758
Total Gas	1,217
Total Gas Required	1,217

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	14238	13538	12921	12631	12369	12107	12427	12502	12777	14582	15542	16200	16018	15759	16459	16845	16890	16354	15168	14805	15927	15976	15445	14987

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
PGPS	GT3B	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	GT11	103	105	62	61	56	60	62	62	63	62	62	61	61	62	62	62	112	112	115	109	129	129	130	130
PLPS	GT12	110	114	69	70	61	69	68	69	70	69	69	69	68	70	68	118	120	122	139	137	136	136	134	137
PLPS	ST18	128	129	98	95	90	96	94	94	94	91	93	93	93	94	91	131	133	138	138	142	140	140	140	140
SGRI	GT11	136	109	69	69	68	68	68	68	68	68	68	68	68	68	100	109	108	113	138	138	138	138	130	131
SGRI	GT13	134	107	66	65	65	65	67	67	67	65	67	67	67	84	106	107	111	134	134	134	134	129	129	129
SGRI	ST14	148	132	111	107	107	103	102	105	102	105	103	95	105	105	105	105	107	132	132	135	148	148	149	149
SGRI	GT21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	75	112	112	122	134	126	132	133	124
SGRI	GT22	138	106	71	71	71	71	71	71	71	71	71	71	71	104	109	111	117	116	128	138	132	138	136	130
SGRI	GT23	138	114	65	69	61	43	64	66	66	63	65	62	72	66	64	62	68	110	113	115	122	133	144	143
SGRI	ST24	141	126	97	93	97	98	96	95	94	94	94	93	94	94	93	98	125	148	195	197	199	217	216	211
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	47	324	343	347	296	289	241	255	233
TJGS	GT1A	111	110	137	116	110	158	219	165	178	145	111	141	206	215	217	176	198	227	226	219	226	229	230	228
TJGS	GT1B	101	102	130	108	100	150	208	157	167	137	104	135	194	208	211	167	187	220	217	208	214	217	216	216
TJGS	ST1C	152	152	164	156	152	177	234	208	208	170	162	177	229	248	248	222	245	252	249	249	242	248	251	251
TJGS	GT2A	225	225	225	225	223	148	147	148	147	147	147	148	148	147	146	201	214	214	216	216	216	216	216	216
TJGS	GT2B	223	222	222	222	222	144	142	145	145	145	144	144	144	144	144	197	212	212	212	212	212	212	212	212
TJGS	ST2C	261	261	261	261	261	211	211	211	211	211	211	211	211	211	211	233	254	254	254	254	254	254	254	254
Total CCGT-Gas		5504	5090	4859	4733	4619	4582	4729	4546	4489	4353	4240	4310	4518	4730	4638	4448	4940	5980	6500	6821	7046	7182	7195	7221
PTEK	GT1A	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
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
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
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
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
BSIA	HY01	20	21	21	20	20	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
BSIA	HY03	23	23	23	23	23	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
CEND	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	10	10	10	10	10	9	9	9
CEND	HY03	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CEND	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HTRG	HY01	0	-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	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	36	36	36	36	36	36	20	20	20	20	20	21	21	21	20	21	20	22	22	22	22	22	22	22
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
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
KNYR	HY01	91	94	100	98	94	100	100	100	100	99	98	99	99	100	100	100	99	98	99	97	98	98	99	99
KNYR	HY02	98	99	100	100	99	100	100	100	100	99	100	100	100	100	100	36	0	0	0	0	0	0	0	0
KNYR	HY03	99	100	101	101	100	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101
KNYR	HY04	100	101	102	102	101	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102
LPIA	HY01	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
LPIA	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
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	6	6	7	7	7
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
PGAU	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
PGAU	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
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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
SIHY	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
SIHY	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
SIHY	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
SYPS	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
SYPS	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
SYPS	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
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	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
TMGR	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
TMGR	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
TMGR	HY04	26	29	35	34	30	36	36	36	36	35	33	34	34	35	35	36	35	34	38	39	35	35	84	85
UJLI	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
UJLI	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
UPLA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPLA	HY02	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total Hydro		536	545	560	557	545	561	560	522	522	544	516	519	519	522	522	523	520	547	557	780	953	1160	1433	1577
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	29	29	28	27	29	29	28	28	29	29	29	29	29	29	28	27	27	26	26	26	27	27	26	26
PCUF	CUFK	34	34	32	34	33	32	33	35	35	34	35	34	34	34	35	33	34	34	32	30	30	30	29	29
Total Co-Gen		63	63	60	61	62	61	61	63	64	62	64	63	63	63	64	62	62	61	60	59	57	56	56	56
Total Gen		14277	13867	13538	13233	12982	12768	12630	12428	12349	12226	12089	12159	12389	12580	12500	12317	12805	13899	14507	15052	15463	15803	16089	16256
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TIE-HVDC		-29	-29	-29	-30	-30	-30	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		68	47	30	20	90	69	28	14	8	18	11	14	-30	-12	26	70	57	42	-46	-36	-50	-48	-82	
Interconnection		39	18	0	-10	61	39	-1	-14	-20	-11	-18	-14	-58	-40	-2	41	28	13	-75	-65	-79	-77	-111	
System Total		14238	13849	13538	13243	12921	12729	12631	12442	12369	12237	12107	12173	12427	12620	12502	12276	12777	13886	14582	15117	15542	15880	16200	16329
SRev ST-Coal		123	125	156	169	171	170	63	71	69	76	74	76	75	78	66	60	62	75	79	81	73	77	76	78
SRev 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
SRev CCGT-Gas		1368	1782	1700	1826	1940	1977	1830	2013	2070	2206	2319	2249	2041	1829	1921	2111	1722	1330	862	609	384	248	235	309
SRev ST-Gas		75	74	74	74	75	75	74	75	74	74	75	75	73	73	35	35	35	38	11	7	1	-1	-2	-2
SRev Co-Gen		-3	-3	0	-1	-2	-1	-1	-3	-4	-2	-4	-3	-4	-3	-3	-3	-4	-2	-2	-1	0	1	3	4
Syncon		1000	1126	1126	1126	1126	1126	1126	1126	1126	1126	1126	1126	1126	1126	824	673	500	500	374	187	313	313	313	187
Hydro		76	66	51	54	66	50	51	65	65	194	71	68	68	65	65	64	67	190	567	474	740	557	410	453
S.Reserve Total		2649	3180	3117	3258	3386	3407	3133	3381	3434	3557	3695	3625	3413	3202	3244	3427	3042	2791	2375	1877	1732	1392	1106	1039