

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,848 MW
Hydro	2,309 MW
Distillate	0 MW
Total TNB	5,157 MW
Total IPP	13,618 MW
Total Co-Gen	0 MW
Total System	18,775 MW

Generation Mix

Type	MWh	Percentage
Gas	58,548	16.85 %
Hydro	25,597	7.37 %
Total TNB	84,145	24.22 %
ST-Coal	159,670	45.96 %
ST-Gas	6,943	2.00 %
ST-Oil	1,939	0.56 %
Gas	92,584	26.65 %
Total IPP	261,136	75.16 %
Co-Gen	1,463	0.42 %
Total Co-Gen	1,463	0.42 %
Total Generation	346,744	99.80 %
PLTG	4	0.00 %
HVDC	-701	-0.20 %
Interconnection	-697	-0.20 %
Net Energy	347,441	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:	15:00:00 Hour
Total Set On Bus	17,361 MW
TNB Generation	4,361 MW
IPP Generation	12,197 MW
Spinning Reserve	739 MW
Maximum Demand	16,633 MW
Net Energy	347,441 MWH
Load Factor	87.04 %

Fuel Cost

Total Cost:	57,320,575.60 RM
Cost per Unit	17.85 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	405
Hydro	480
Syncon	305
Thermal	157
Total	1,347

Time Weather Temperature

Afternoon	Hot	26
Morning	Sunny	33

Gas Usage

Station	(mmscfd)
CBPS	48
GLGR	53
PAKA	197
PGPS	43
SRDG	20
Total TNB	469
CBPS	55
KLPP	101
MPSS	51
NPRI	141
PDPS	12
PGLA	55
PKLG	11
PLPS	66
PTEK	49
SGRI	157
SKSP	16
Total IPP	783
Total Gas	1,252
Total Gas Required	1,272

Alternate Fuel Usage

Station	(mmscfd)
PKLG	20
Total	20

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	13626	12756	12554	12194	11835	11680	12076	12120	12459	14219	15202	15859	15897	15651	16321	16633	16530	16242	15066	14915	16168	16000	15463	15016

Daily MW Generation on Thursday

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	GT3A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	GT3B	83	83	84	83	83	83	83	83	83	83	84	83	84	83	85	94	94	95	94	94	95	95	94	95
PGPS	ST3C	38	38	39	38	38	38	39	38	38	38	38	38	39	39	75	94	94	95	95	95	95	95	95	95
PLPS	GT11	58	62	62	62	63	62	62	56	63	61	64	63	61	63	62	62	147	145	144	143	135	131	132	132
PLPS	GT12	59	64	64	64	65	64	65	59	64	65	66	64	65	64	63	64	145	144	142	142	141	139	140	141
PLPS	GT13	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	ST18	88	88	90	90	91	91	90	85	91	90	90	90	91	90	91	90	144	143	143	143	141	141	141	140
SGB3	GT33	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT11	116	114	118	118	114	114	114	111	67	67	66	66	66	65	65	111	138	138	136	137	137	135	135	134
SGRI	GT12	119	115	125	121	120	122	120	116	69	69	71	73	69	73	71	71	117	146	145	145	142	142	142	142
SGRI	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	134	135	135	135	134	134	134	134
SGRI	ST14	138	133	139	136	137	138	139	137	101	100	97	95	99	97	101	98	129	145	204	221	215	217	217	216
SGRI	GT21	66	66	66	66	66	66	66	67	67	64	68	66	66	67	67	103	136	134	133	133	133	133	132	132
SGRI	GT22	71	71	71	71	71	71	71	72	72	71	71	71	72	72	101	141	140	140	140	139	139	138	138	139
SGRI	ST24	97	100	98	98	100	99	100	100	99	97	102	97	102	97	98	99	118	144	143	144	145	145	146	146
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	GT1A	216	223	208	230	232	232	145	108	187	194	166	220	222	219	224	229	229	222	164	225	117	229	227	227
TJGS	GT1B	213	219	211	222	217	218	143	104	186	190	160	215	225	220	222	225	223	223	167	213	116	221	221	221
TJGS	ST1C	243	240	250	253	242	233	174	156	230	239	213	251	254	258	255	255	255	255	214	238	176	252	256	256
Total CCGT-Gas		5651	5318	4920	5094	4965	4888	4667	4509	4289	4307	4167	4343	4650	4744	4654	4475	4898	5821	6335	6643	6497	6796	6698	6708
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	0	0	0	0	0	0	0
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
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	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
PKLG	GT09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	99	100	99	99	99	98	99
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	109	108	107	108	107	107	107
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	112	111	111	110	110	69	68	68
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	108	108	108	107	107	109	108	107
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	109	109	109	109	69	69	85
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	123	122	123	122	122	122	122
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	123	125	125	125	125	125	124
Total OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	223	372	705	784	781	699	700	713
BSIA	HY01	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
BSIA	HY03	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
CEND	HY01	9	9	9	9	9	9	9	9	10	10	10	10	10	10	9	9	10	9	9	9	10	9	10	10
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
CEND	HY03	9	8	8	9	8	8	8	9	9	9	8	8	9	9	9	9	8	8	8	8	8	8	8	8
CEND	HY04	7	7	8	7	7	8	8	8	7	8	8	8	8	8	8	8	8	7	7	8	8	8	8	8
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	65	126	125	126	125	64	65	126	126
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	64	125	125	124	63	62	63	124	124
KNRG	HY01	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
KNRG	HY02	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
KNRG	HY03	27	27	27	27	27	27	27	0	0	0	0	0	0	0	0	0	22	22	22	22	22	22	22	22
KNYR	HY01	96	96	99	99	100	99	100	95	94	94	100	82	86	96	93	100	98	97	96	93	96	100	68	78
KNYR	HY03	97	97	101	101	101	101	101	96	63	61	61	61	61	61	60	60	60	101	101	101	100	102	102	102
KNYR	HY04	98	98	101	101	102	101	102	97	90	84	96	89	102	91	92	98	101	100	92	97	102	102	102	102

Daily MW Generation on Thursday

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
LPIA	HY01	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
LPIA	HY02	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
MNOR	HY01	6	6	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	21	81	111	111	111	111	111	110	110	110
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	81	111	111	111	111	110	110	110	110
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	18	82	82	82	20	83	83	83	83	83
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	80	80	80	81	111	111	80	80	
SIHY	HY01	49	50	50	50	50	50	50	50	50	50	50	50	50	0	0	33	51	51	51	51	51	51	51	51
SIHY	HY03	48	50	50	50	50	50	49	49	50	50	50	50	50	0	0	33	51	51	51	51	51	51	51	51
SYPS	HY01	25	25	25	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16	16	16
SYPS	HY02	25	25	25	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16	16	16
SYPS	HY04	25	25	25	0	0	0	0	0	0	0	0	0	0	15	16	16	16	16	16	16	16	16	16	16
TMGR	HY01	30	30	30	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	30	30	30	30	84	84	84	84	84
TMGR	HY02	30	30	30	30	30	30	30	30	30	30	30	30	30	30	87	87	87	87	87	87	87	87	87	87
TMGR	HY03	30	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	85	85	85	85	85	85	85
TMGR	HY04	30	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	30	30	30	30	30	30	30	30	30
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	0	93	87	92
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	-1	95	91	95
UPIA	HY01	6	6	6	6	6	6	6	4	4	4	5	5	5	4	4	4	5	5	5	5	6	6	6	6
UPIA	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Total Hydro		792	733	744	638	639	638	640	625	528	521	561	515	533	554	472	486	486	567	766	1091	1319	1316	1363	1524
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	39	40	41	40	39	40	38	40	40	41	39	39	39	39	40	40	39	41	41	39	39	40	41	40
PCUF	CUFK	-5	-3	-5	-4	-4	-4	9	27	27	25	27	27	26	27	29	26	26	26	26	27	27	27	22	23
Total Co-Gen		34	37	36	36	35	36	47	67	67	66	66	65	68	68	65	64	66	66	66	66	67	67	61	64
Total Gen		13606	13094	12701	12726	12519	12416	12213	12069	11760	11759	11661	11796	12112	12226	12091	12005	12449	13495	14187	14809	15167	15594	15826	16099
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	-28	-28	-31	-29	-29	-29	-28	-28	-28	-31	-30	-30	-29	-29	-29	-29	-28	-30	-28	-28	-29	-28	-30
TIE-PLTG		9	-14	-27	-5	-6	-12	48	19	-48	-12	10	-13	67	19	1	21	20	44	-4	19	-6	-20	-5	-14
Interconnection		-20	-42	-55	-35	-35	-41	19	-10	-75	-40	-19	-41	36	-12	-29	-9	-10	14	-32	-10	-35	-50	-33	-42
System Total		13626	13136	12756	12761	12554	12457	12194	12079	11835	11799	11680	11837	12076	12238	12120	12014	12459	13481	14219	14819	15202	15644	15859	16141
SRev ST-Coal		175	176	178	175	169	189	187	180	172	181	178	175	184	188	184	179	182	178	168	187	147	162	132	138
SRev ST-Oil		0	0	0	43	38	38	37	37	38	38	37	37	37	37	37	37	37	38	38	38	38	0	0	0
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		791	871	1119	945	1074	1151	1372	1530	1750	1732	1872	1696	1389	1295	1385	1564	1141	614	476	262	408	109	207	197
SRev ST-Gas		-63	-3	-2	-2	-2	-2	-2	-2	-2	-2	-3	-2	-2	-2	-3	-4	-4	-4	-4	-4	-4	-4	-4	-4
SRev Co-Gen		14	11	12	12	13	12	1	-19	-19	-18	-18	-18	-17	-20	-20	-17	-16	-18	-18	-18	-18	-19	-19	-13
Syncon		1079	1165	1165	1250	1250	1250	1250	1250	1099	1250	1250	1099	1250	1250	948	777	651	525	374	374	374	374	374	525
Hydro		261	149	138	84	83	84	82	97	144	151	262	157	139	269	150	161	161	382	504	482	465	619	572	411
S.Reserve Total		2257	2454	2695	2532	2650	2747	2952	3098	3333	3332	3428	3294	2980	2866	2949	3060	2617	2014	1898	1598	1554	1354	1320	1143