

Availability at Daily Maximum Demand Hour

ST-Coal	2,950 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	5,504 MW
Hydro	1,835 MW
Distillate	0 MW
Total TNB	10,289 MW
Total IPP	10,493 MW
Total Co-Gen	23 MW
Total System	21,087 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	67,345	19.32 %
Gas	79,302	22.76 %
Hydro	12,260	3.52 %
Total TNB	158,907	45.60 %
ST-Coal	123,065	35.31 %
Gas	65,276	18.73 %
Total IPP	188,341	54.05 %
Co-Gen	828	0.24 %
Total Co-Gen	828	0.24 %
Total Generation	348,076	99.88 %
PLTG	110	0.03 %
HVDC	-522	-0.15 %
Interconnection	-412	-0.12 %
Net Energy	348,488	100.00 %

Maximum Demand Record

Date: 3/9/2016	17,175 MW
Date: 3/10/2016	359,307 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	18,106 MW
TNB Generation	7,886 MW
IPP Generation	8,997 MW
Spinning Reserve	1,203 MW
Maximum Demand	16,943 MW
Net Energy	348,488 MWH
Load Factor	85.70 %

Fuel Cost

Total Cost:	45,886,222.65 RM
Cost per Unit	13.66 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	421
Hydro	416
Syncon	273
Thermal	115
Total	1,225

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	56
GLGR	55
NPRI	149
PAKA	14
PGGS	9
PGPS	42
SRDG	27
TJGS	216
Total TNB	568
KLPP	99
PDPS	2
PGLA	112
PKLG	11
PLPS	95
PTEK	30
SGRI	143
SKSP	29
Total IPP	521
Total Gas	1,089
Total Gas Required	1,089

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	13655	12969	12622	12156	11916	11766	11783	11976	12503	14607	15625	16329	16369	16138	16731	16849	16894	16278	15056	14611	15658	15667	15263	14949

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	GT23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	ST24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	199	223	223	226	228	205	226	226	213	213	159	159	164	197	227	185	230	230	230	226	226	226	226	226
TJGS	GT1B	196	217	212	223	221	221	202	202	208	208	155	155	160	190	219	182	221	221	221	217	217	217	217	217
TJGS	ST1C	247	244	236	251	251	238	238	235	232	232	193	193	193	215	243	229	253	253	253	253	253	253	253	253
TJGS	GT2A	215	215	191	217	217	216	196	187	186	187	188	137	135	135	136	137	185	216	216	213	213	213	213	213
TJGS	GT2B	213	217	188	217	213	216	192	184	184	184	184	133	130	131	135	132	182	213	213	213	213	213	213	213
TJGS	ST2C	262	257	250	264	261	261	256	240	243	240	240	211	211	211	214	214	237	262	262	262	262	262	262	262
Total CCGT-Gas		5139	4955	4706	4747	4565	4430	4272	4077	3801	3718	3706	3616	3682	3836	4000	4027	4571	5721	6084	6211	6263	6517	6448	6665
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
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	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
PGGS	GT6A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGGS	GT6B	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	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	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
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	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
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	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	11	12	12	11	11	11	11	11	11	11	12	12	12	12	12	12	12	12	12	12	12	12	12
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
CEND	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
CEND	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
CEND	HY03	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNRG	HY02	38	38	37	37	37	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
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
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
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
KNYR	HY04	57	59	61	61	60	59	56	59	59	58	63	60	63	62	69	59	63	103	102	101	101	62	58	57
LPJA	HY01	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
LPJA	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	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	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
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	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

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	
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	34	34	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY04	-1	0	0	0	34	34	34	34	34	34	34	34	34	34	34	37	79	82	82	77	74	74	73	72	
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
Total Hydro		184	187	191	154	186	186	186	183	186	204	203	208	205	190	189	206	194	199	621	1098	1319	1371	1360	1027	
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	27	27	26	27	27	26	27	26	25	26	27	27	25	26	26	27	28	27	25	7	7	9	3	3	
PCUF	CUFK	17	18	18	18	15	16	18	18	16	17	16	16	16	17	17	17	17	17	16	16	16	17	17	17	
Total Co-Gen		44	45	44	45	42	42	45	44	41	43	43	43	41	43	43	44	45	44	41	23	23	27	19	20	
Total Gen		13639	13331	12895	12745	12570	12343	12092	12107	11861	11762	11748	11695	11729	11786	11947	11998	12513	13652	14526	15166	15582	15983	16324	16449	
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	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		13	19	-45	15	-23	7	-35	37	-25	-55	11	-33	-24	57	1	13	39	16	-52	-43	-13	-79	23	-25	
Interconnection		-16	-11	-74	-14	-52	-22	-64	8	-55	-84	-18	-62	-54	28	-29	-16	10	-13	-81	-72	-43	-108	-5	-55	
System Total		13655	13342	12969	12759	12622	12365	12156	12099	11916	11846	11766	11757	11783	11758	11976	12014	12503	13665	14607	15238	15625	16091	16329	16504	
S.Rev ST-Coal		35	92	147	241	150	177	228	124	97	131	131	100	127	210	213	207	125	139	100	114	187	108	221	103	
S.Rev 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
S.Rev CCGT-Gas		431	406	655	614	796	931	1089	1284	1560	1643	1655	1745	1679	1611	1447	1716	1601	661	438	706	654	400	549	332	
S.Rev ST-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
S.Rev Co-Gen		0	-1	0	-1	2	2	-1	0	3	1	1	1	3	1	1	0	-1	0	3	0	0	-4	4	3	4
Syncon		762	676	802	802	802	802	802	802	651	651	651	651	802	802	802	802	802	500	313	126	126	126	0	0	0
Hydro		114	112	107	59	112	112	112	115	112	245	246	241	244	108	109	92	104	99	129	249	215	163	222	556	
S.Reserve Total		1342	1285	1711	1715	1862	2024	2230	2325	2574	2671	2684	2738	2704	2732	2572	2817	2631	1701	1170	1382	1250	1024	1131	1003	