

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,186 MW
Hydro	1,886 MW
Distillate	0 MW
Total TNB	5,072 MW
Total IPP	13,368 MW
Total Co-Gen	69 MW
Total System	19,073 MW

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:	20:30:00 Hour
Total Set On Bus	15,992 MW
TNB Generation	2,982 MW
IPP Generation	11,864 MW
Spinning Reserve	1,077 MW
Maximum Demand	14,923 MW
Net Energy	322,373 MWH
Load Factor	90.01 %

Gas Usage

Station	(mmscfd)
GLGR	53
PGPS	42
SRDG	3
TJGS	167
Total TNB	265
CBPS	56
KLPP	78
PGLA	109
PLPS	86
PTEK	8
SGB3	78
SGRI	177
SKSP	53
YPKA	8
Total IPP	653
Total Gas	918

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	36,313	11.26 %
Hydro	18,716	5.81 %
Total TNB	55,029	17.07 %
ST-Coal	179,463	55.67 %
Gas	86,437	26.81 %
Total IPP	265,900	82.48 %
Co-Gen	1,624	0.50 %
Total Co-Gen	1,624	0.50 %
Total Generation	322,553	100.06 %
PLTG	-549	-0.17 %
HVDC	729	0.23 %
Interconnection	180	0.06 %
Net Energy	322,373	100.00 %

Fuel Cost

Total Cost:	50,039,168.06 RM
Cost per Unit	16.47 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	394
Hydro	245
Syncon	518
Thermal	180
Total	1,337

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	26

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	13975	13327	12849	12500	12158	11963	11991	11740	11515	12705	13517	13983	14017	13682	13965	14152	14219	14016	13689	13578	14904	14872	14495	14381

Daily MW Generation on Saturday

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																												
UPIA	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																												
UPIA	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6																												
Total Hydro		743	646	648	700	622	558	477	484	468	408	281	299	320	267	254	232	319	433	454	786	809	932	1155	1044	1040	996	923	983	1010	987	958	961	960	950	776	756	731	610	653	1063	1334	1256	1132	1132	1192	1157	1154	1151				
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	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			
PCUF	CUFG	31	30	29	30	30	32	32	31	31	31	30	32	33	33	33	33	33	33	33	33	31	31	31	29	28	28	28	28	27	27	27	27	28	29	29	29	29	29	29	29	28	28	28	29	29	31	29	29				
PCUF	CUFK	40	41	42	40	40	41	41	41	41	40	40	40	39	38	38	38	38	37	37	36	34	33	34	33	34	31	33	34	29	32	33	31	33	34	36	38	41	39	40	42	41	41	41	41	41	41	41	40	41	42		
Total Co-Gen		71	71	71	70	70	73	73	72	72	71	70	72	73	72	71	71	70	69	65	64	65	62	62	59	61	62	56	59	60	58	61	63	65	67	70	68	69	71	69	69	69	70	70	71	70	71	71					
Total Gen		14049	13690	13322	13163	12843	12641	12481	12218	12169	12088	12007	11963	11992	11927	11775	11348	11518	12084	12628	13122	13544	13828	14006	14118	14045	13862	13696	13904	13971	14068	14134	14130	14233	14158	13996	13838	13716	13551	13622	14453	14934	14915	14883	14789	14499	14477	14356	14150				
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	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		30	30	31	31	31	31	31	31	30	30	30	30	30	30	31	31	29	29	31	31	30	30	31	31	31	30	30	30	30	30	31	31	30	30	30	30	31	31	31	31	31	31	31	31	31	31	31	30	30			
TIE-PLTG		44	-8	-36	-36	-37	-26	-49	-6	-19	42	13	-12	-29	12	6	44	-28	-41	-107	-15	-4	-21	-8	-52	-3	17	-17	-61	-24	-14	-48	-41	-16	-6	-51	-39	-3	-32	14	-131	0	-38	-20	-23	-27	-59	-55	-49				
Interconnection		74	21	-5	-5	-6	5	-19	25	11	73	44	19	1	43	35	74	3	-10	-77	14	27	9	23	-21	28	47	14	-31	6	16	-18	-10	14	24	-20	-9	27	-2	44	-100	30	-8	11	7	4	-29	-25	-19				
System Total		13975	13669	13327	13168	12849	12636	12500	12193	12158	12015	11963	11944	11991	11884	11740	11274	11515	12094	12705	13108	13517	13819	13983	14139	14017	13815	13682	13935	13965	14052	14152	14140	14219	14134	14016	13847	13689	13553	13578	14553	14904	14923	14872	14782	14495	14506	14381	14169				
S.Rev ST-Coal		175	255	251	293	293	392	453	483	325	331	251	259	251	251	240	255	247	395	384	387	229	250	163	131	149	153	148	139	147	160	150	149	150	150	142	135	125	144	138	116	142	133	150	139	153	141	135	147				
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-2	-2	-2	112	201	0	0	0
S.Rev CCGT-Gas		516	600	722	627	777	639	592	764	772	787	749	805	804	766	916	1304	1236	771	542	392	416	233	366	172	386	586	732	594	540	410	326	332	230	412	410	557	667	690	555	158	261	319	210	202	326	203	183	314				
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	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	
S.Rev Co-Gen		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	0	0	
Syncon		892	790	790	790	790	793	894	743	894	979	979	979	979	979	979	979	979	878	878	453	453	453	151	453	453	453	453	453	302	579	705	705	705	579	665	665	665	665	514	579	428	428	579	705	579	579	579	579				
Hydro		174	104	102	50	28	89	69	213	78	137	61	43	22	74	87	109	22	109	88	165	181	198	577	386	240	284	357	297	421	232	195	192	193	204	192	212	237	358	466	216	121	199	172	171	237	272	275	278				
S.Reserve Total		1757	1749	1865	1760	1888	1913	2008	2203	2069	2234	2040	2086	2056	2070	2222	2647	2484	2153	1892	1397	1279	1134	1257	1142	1228	1476	1690	1483	1410	1381	1376	1378	1278	1345	1409	1569	1694	1857	1673	1069	950	1077	1109	1329	1496	1195	1172	1318				