

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,126 MW
Hydro	2,104 MW
Distillate	0 MW
Total TNB	5,230 MW
Total IPP	15,630 MW
Total Co-Gen	80 MW
Total System	21,504 MW

Generation Mix

Type	MWh	Percentage
Gas	42,024	11.79 %
Hydro	18,122	5.08 %
Total TNB	60,146	16.87 %
ST-Coal	199,226	55.87 %
Gas	95,089	26.67 %
Total IPP	294,315	82.54 %
Co-Gen	1,672	0.47 %
Total Co-Gen	1,672	0.47 %
Total Generation	356,133	99.87 %
PLTG	158	0.04 %
HVDC	-608	-0.17 %
Interconnection	-450	-0.13 %
Net Energy	356,583	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:	16:30:00 Hour
Total Set On Bus	18,514 MW
TNB Generation	3,144 MW
IPP Generation	13,864 MW
Spinning Reserve	1,439 MW
Maximum Demand	17,157 MW
Net Energy	356,583 MWH
Load Factor	86.60 %

Fuel Cost

Total Cost:	55,961,641.10 RM
Cost per Unit	16.56 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	433
Hydro	368
Syncon	479
Thermal	352
Total	1,632

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	0

Gas Usage

Station	(mmscfd)
GLGR	52
PGPS	35
TJGS	211
Total TNB	298
CBPS	52
KLPP	98
MPSS	39
NPRI	140
PGLA	104
PLPS	67
PTEK	12
SGB3	44
SGRI	104
SKSP	49
Total IPP	709
Total Gas	1,007

Total Gas Required 1,007

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	13966	13362	12932	12383	11978	11956	12140	12118	12773	14777	15753	16382	16391	16203	16802	17058	17136	16783	15568	15169	16415	16396	15894	15722

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																										
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4																										
Total Hydro		521	412	409	429	398	212	212	176	169	173	190	171	177	196	172	174	181	419	426	578	809	835	889	1138	1073	952	947	942	984	1164	1143	1147	1147	1154	1158	1114	1160	1097	738	1107	1111	1505	1514	1390	1368	1133	754	738		
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	0
PCUF	CUFG	36	35	36	36	35	36	36	37	36	35	36	37	36	37	36	37	37	35	34	34	33	34	33	32	32	32	31	31	31	32	32	32	33	32	33	33	32	34	36	35	36	35	35	36	35	36	37	37		
PCUF	CUFK	24	36	36	36	35	34	35	36	35	36	35	36	37	37	36	36	37	36	35	36	37	35	35	38	34	33	35	35	35	36	34	35	36	35	35	35	35	35	34	35	36	33	36	35	37	35	36			
Total Co-Gen		60	71	72	72	70	70	71	73	71	71	71	73	74	72	73	74	71	69	70	70	69	68	70	66	65	66	66	66	68	66	67	69	67	68	68	67	69	71	69	71	71	68	72	70	73	72	73			
Total Gen		14001	13736	13364	13031	12904	12594	12369	12147	11996	11895	11911	11894	12086	12232	12103	12208	12743	13852	14731	15151	15740	16116	16361	16493	16398	16266	16164	16435	16751	16987	17038	17107	17105	17075	16768	16197	15515	15133	15129	16028	16345	16506	16458	16267	15941	15883	15704	15205		
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	0	0
TIE-HVDC		30	30	30	-28	-28	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-31	-28	-28	-30	-30	-28	-28	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-30	-30	-29	-29	-30	-30	-30	-30	-30	-29	-29	-30	-29	-29	-29		
TIE-PLTG		5	-12	-29	-17	0	22	15	-49	47	-15	-16	26	-25	-2	13	32	0	7	-16	15	19	9	-47	36	93	-11	11	-22	-16	9	-18	-2	-53	14	4	-23	96	-11	93	-41	8	91	-9	77	6	11	-26			
Interconnection		35	19	2	-46	-28	-7	-14	-78	18	-44	-45	-3	-54	-30	-15	2	-30	-21	-46	-13	-13	-11	-21	-75	7	64	-39	-18	-51	-46	-20	-46	-31	-82	-15	-26	-53	67	-40	64	-70	-22	62	-39	47	-22	-18	-55		
System Total		13966	13717	13362	13077	12932	12601	12383	12225	11978	11939	11956	11897	12140	12262	12118	12206	12773	13873	14777	15164	15753	16127	16382	16568	16391	16202	16203	16453	16802	17033	17058	17153	17136	17157	16783	16223	15568	15066	15169	15964	16415	16528	16396	16306	15894	15905	15722	15260		
SRev ST-Coal		306	477	574	572	576	580	571	591	645	648	647	648	641	636	663	647	639	639	592	491	382	395	387	371	269	191	190	195	192	206	206	195	197	290	410	514	219	204	193	203	284	513	572	378	374	372	246	183		
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	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
SRev CCGT-Gas		524	367	564	919	1009	1129	1364	1526	1536	1639	1716	1856	1818	1840	1915	2117	1599	1031	891	840	652	428	320	455	583	671	770	489	326	366	396	342	346	287	482	649	1395	1731	1389	847	455	159	154	219	525	353	278	691		
SRev 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
SRev Co-Gen		20	9	8	8	10	10	9	7	9	9	9	7	7	6	8	7	6	9	11	10	11	12	10	14	15	14	14	14	12	14	13	11	13	12	12	13	11	9	11	9	9	12	8	10	7	8	7			
Syncon		876	876	876	725	876	1078	1078	1078	1078	927	1078	1078	927	1078	1078	1078	876	876	554	705	554	705	554	554	554	680	680	680	680	302	453	453	453	302	453	453	453	453	453	453	302	302	302	151	302	554	554			
Hydro		93	91	94	225	105	89	89	125	132	128	262	130	124	256	129	127	120	84	89	492	335	460	255	357	322	317	322	327	335	533	403	399	399	392	539	432	486	549	635	266	262	269	260	384	507	391	518	534		
S.Reserve Total		1819	1820	2116	2449	2576	2886	3111	3327	3400	3502	3561	3719	3668	3665	3793	3976	3442	2639	2459	2387	2084	1848	1679	1747	1742	1874	1976	1705	1547	1419	1476	1407	1409	1439	1746	2317	2566	2948	2679	1780	1463	1252	1300	1291	1567	1425	1604	1969		