

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,288 MW
Hydro	2,512 MW
Distillate	0 MW
Total TNB	5,800 MW
Total IPP	13,125 MW
Total Co-Gen	40 MW
Total System	18,965 MW

Generation Mix

Type	MWh	Percentage
Gas	45,886	14.93 %
Hydro	10,926	3.55 %
Total TNB	56,812	18.48 %
ST-Coal	151,900	49.41 %
Gas	97,796	31.81 %
Total IPP	249,696	81.22 %
Co-Gen	732	0.24 %
Total Co-Gen	732	0.24 %
Total Generation	307,240	99.94 %
PLTG	350	0.11 %
HVDC	-525	-0.17 %
Interconnection	-175	-0.06 %
Net Energy	307,415	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:	19:30:00 Hour
Total Set On Bus	16,026 MW
TNB Generation	3,175 MW
IPP Generation	10,857 MW
Spinning Reserve	1,964 MW
Maximum Demand	14,062 MW
Net Energy	307,415 MWH
Load Factor	91.09 %

Fuel Cost

Total Cost:	41,941,374.80 RM
Cost per Unit	14.15 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	630
Hydro	346
Syncon	1,002
Thermal	104
Total	2,082

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	27

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	13169	12558	12125	11814	11526	11471	11430	11295	11138	12229	13085	13596	13518	13242	13555	13562	13563	13299	13018	13291	14041	13769	13321	13153

Gas Usage

Station	(mmscfd)
GLGR	56
PAKA	4
PGPS	51
TJGS	216
Total TNB	327
CBPS	54
KLPP	99
MPSS	48
NPRI	156
PDPS	1
PGLA	111
PLPS	76
SGRI	156
SKSP	25
Total IPP	726
Total Gas	1,054

Total Gas Required 1,054

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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																											
UJLI	HY02	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91	86	88	85	85	89	87	87	90																						
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	6	6	6	6	6																						
Total Hydro		271	166	163	163	163	162	185	180	163	180	175	206	183	201	160	166	164	193	177	224	185	333	347	352	305	303	303	324	176	222	340	396	522	439	443	395	392	229	412	1191	1244	1330	1355	1323	1236	1305	1304	1105			
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	0
PCUF	CUFG	12	11	11	11	10	11	13	12	12	13	12	13	13	12	13	14	14	14	15	14	14	13	11	13	12	13	12	12	12	13	12	12	13	11	13	14	12	13	13	13	13	12	13	13	12	13	13	12			
PCUF	CUFK	17	18	19	18	19	17	18	17	19	18	17	17	18	18	18	18	18	18	18	18	18	18	18	19	17	18	17	18	19	17	18	19	19	18	18	18	19	18	18	19	18	18	19	17	19	17	18	18	18	18	
Total Co-Gen		29	29	30	29	29	28	31	29	31	29	29	31	31	30	32	32	32	28	31	29	31	29	31	29	30	31	30	30	31	30	30	31	32	29	31	33	30	31	32	30	32	29	31	31	30	30	30	30			
Total Gen		13136	12763	12537	12409	12125	12062	11812	11701	11534	11499	11450	11427	11413	11440	11289	11120	11114	11771	12192	12648	13050	13395	13567	13647	13525	13296	13263	13413	13538	13667	13582	13665	13562	13526	13332	13128	13061	13051	13269	14039	14032	13954	13802	13632	13321	13264	13121	12958			
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		
TIE-HVDC		-29	-30	-30	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-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-PLTC		-4	19	8	35	28	45	26	108	37	48	9	21	12	16	23	1	5	14	-8	-77	-6	-3	0	-31	36	31	50	27	13	-32	49	13	29	44	33	51	43	10	-21	0	-9	-21	33	12	0	-2	-4	-15			
Interconnection		-33	-10	-21	6	0	16	-2	79	8	19	-21	-8	-17	-13	-6	-28	-24	-15	-37	-107	-35	-32	-29	-60	7	2	21	-3	-17	-62	20	-16	-1	15	33	51	43	10	-21	0	-9	-21	33	12	0	-2	-32	-44			
System Total		13169	12773	12558	12403	12125	12046	11814	11622	11526	11480	11471	11435	11430	11453	11295	11148	11138	11786	12229	12755	13085	13427	13595	13707	13518	13294	13242	13416	13555	13729	13562	13581	13563	13511	13299	13077	13018	13041	13290	14039	14041	13975	13769	13620	13321	13266	13153	13002			
SRev ST-Coal		99	94	89	115	95	107	104	106	103	99	100	112	105	107	137	72	18	41	86	87	124	124	123	119	27	-2	13	134	126	153	142	112	105	170	149	134	129	113	132	125	129	135	120	129	140	143	138				
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	0
SRev CCGT-Gas		274	461	290	391	581	630	909	1011	1166	1222	1263	1305	1305	1294	1424	1763	1858	1225	890	837	616	447	289	560	685	727	940	720	370	293	509	400	496	460	487	615	691	545	528	535	603	591	788	943	893	525	672	640			
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	0
SRev Co-Gen		11	11	10	11	11	12	9	11	9	9	11	11	9	9	10	8	8	8	8	8	8	8	8	8	8	12	9	11	9	9	11	10	9	10	10	9	8	11	9	7	10	9	8	10	8	11	9	9	10		
Syncon		1302	1266	1266	1266	1266	1115	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266	1266			
Hydro		176	131	134	134	134	135	263	117	134	117	122	91	114	96	137	131	133	255	129	82	121	324	159	154	201	203	203	333	130	84	166	120	135	218	214	262	465	377	395	875	923	837	812	844	931	838	815	701			
S Reserve Total		1862	1963	1789	1917	2087	2150	2400	2511	2678	2713	2762	2785	2799	2772	2973	3242	3337	2621	2334	2279	2097	2018	1846	2111	2283	2232	2418	2190	1909	1780	2104	1937	1765	1910	1995	2149	2416	2261	2143	1955	1962	1867	2047	2217	2266	1814	1941	2104			