

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,757 MW
Hydro	2,271 MW
Distillate	0 MW
Total TNB	6,028 MW
Total IPP	15,494 MW
Total Co-Gen	0 MW
Total System	21,522 MW

Generation Mix

Type	MWh	Percentage
Gas	59,392	16.75 %
Hydro	7,317	2.06 %
Total TNB	66,709	18.81 %
ST-Coal	178,333	50.28 %
ST-Oil	10,808	3.05 %
Gas	99,079	27.94 %
Total IPP	288,220	81.27 %
Co-Gen	398	0.11 %
Total Co-Gen	398	0.11 %
Total Generation	355,327	100.19 %
PLTG	38	0.01 %
HVDC	634	0.18 %
Interconnection	672	0.19 %
Net Energy	354,655	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:	16:00:00 Hour
Total Set On Bus	18,246 MW
TNB Generation	3,309 MW
IPP Generation	13,286 MW
Spinning Reserve	1,635 MW
Maximum Demand	16,568 MW
Net Energy	354,655 MWH
Load Factor	89.19 %

Fuel Cost

Total Cost:	49,322,817.45 RM
Cost per Unit	14.17 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	517
Hydro	184
Syncon	1,147
Thermal	321
Total	2,169

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	60
PAKA	144
PGPS	40
TJGS	203
Total TNB	447
CBPS	50
KLPP	91
MPSS	52
NPRI	142
PGLA	104
PLPS	90
PTEK	7
SGRI	169
SKSP	49
Total IPP	755
Total Gas	1,201

Total Gas Required 1,308

Alternate Fuel Usage

Station	(mmscfd)
PKLG	106
Total	106

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	14930	14142	13615	13304	12900	12654	12672	12650	12744	14414	15266	16033	16020	15597	15815	16460	16568	16204	15051	14764	15860	15702	15466	15390

Daily MW Generation on Friday

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	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	87	91	-1	-1	-1	-1	-1	-1	-1	-1																		
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																		
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	5	5	5	5	5	5	5	5																		
Total Hydro		165	168	166	169	323	349	325	324	325	338	306	291	290	302	303	292	318	377	320	177	182	181	264	379	382	183	178	204	185	384	413	513	598	547	349	248	179	176	185	196	466	427	282	248	294	331	267	316		
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		
PCUF	CUFK	17	17	16	17	16	17	16	15	17	17	17	17	17	18	17	18	17	17	17	17	17	16	16	15	15	16	17	17	15	15	16	16	16	17	15	17	16	17	16	18	17	18	15	18	17	16	18	16		
Total Co-Gen		17	17	16	17	16	17	16	15	17	17	17	17	17	18	17	18	17	17	17	17	17	16	16	15	15	16	17	17	15	15	16	16	16	17	15	17	16	17	16	18	17	18	16	18	17	16	18	16		
Total Gen		14909	14445	14150	13964	13695	13465	13356	13147	12945	12812	12699	12621	12658	12760	12704	12439	12781	13738	14397	14894	15306	15675	16024	16190	16080	15801	15614	15730	15810	16231	16478	16568	16611	16557	16217	15725	15103	14729	14813	15613	15953	15951	15761	15750	15473	15381	15409	15079		
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		-28	-30	-30	30	30	30	30	30	30	30	29	29	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
TIE-PLTG		7	23	37	24	50	-8	23	60	15	4	15	14	-44	-32	24	56	7	-48	-47	-26	10	-72	-40	-3	30	-2	-13	17	-35	-25	-12	2	12	-38	-17	50	22	-54	19	-26	63	40	28	-6	-24	6	-12	6		
Interconnection		-21	-7	8	54	80	21	52	90	45	34	45	43	-14	-3	54	85	37	-18	-17	4	40	-41	-9	28	60	28	17	47	-5	5	18	33	43	-8	13	80	52	-24	49	4	93	71	59	24	7	37	19	36		
System Total		14930	14452	14142	13910	13615	13444	13304	13057	12900	12778	12654	12578	12672	12763	12650	12354	12744	13756	14414	14890	15266	15716	16033	16162	16020	15773	15597	15683	15815	16226	16460	16555	16568	16565	16204	15645	15051	14753	14784	15609	15860	15880	15702	15726	15466	15344	15390	15043		
SRev ST-Coal		289	466	464	417	418	412	358	328	326	334	336	330	320	413	474	416	490	381	318	307	303	270	275	277	223	218	231	337	288	293	282	276	289	286	237	212	250	186	186	202	198	204	324	346	312	307	283			
SRev ST-Oil		54	55	55	54	60	76	76	76	76	77	77	77	77	53	64	79	83	83	83	82	83	83	82	77	76	77	76	45	1	1	4	10	10	10	10	10	11	11	-1	-1	-1	-1	-1	-1	-2	-2	2	2	2	
SRev OCCG-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		447	731	1022	1210	1625	1830	1914	2175	2410	2557	2630	2691	2660	2580	2634	2707	2520	1504	1577	1321	950	624	393	332	442	577	765	663	486	384	308	305	353	313	433	870	1174	1460	1128	341	254	372	409	217	183	350	265	113		
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		3	3	4	3	4	3	4	5	3	3	3	3	3	3	2	3	2	3	3	3	3	3	4	4	5	5	4	3	3	5	5	4	4	3	5	3	4	3	4	2	3	2	4	2	3	4	2	4		
Syncon		1349	1349	1349	1349	1248	1097	1248	1248	1248	1097	1248	1248	1248	1248	1164	1164	1164	1164	1265	1265	1265	1265	1265	1265	1265	1114	1265	1078	927	826	686	686	837	963	1089	1096	1096	1096	1089	1089	1276	1121	844	869	995	995				
Hydro		128	125	127	124	171	296	169	170	169	307	188	203	204	192	191	202	177	118	175	218	103	104	121	106	103	102	100	225	93	95	217	218	290	316	188	163	106	108	99	88	205	244	102	187	418	356	294	245		
S.Reserve Total		2270	2729	3021	3157	3526	3714	3823	4032	4234	4367	4480	4559	4522	4420	4542	4698	4358	3362	3382	3107	2710	2382	2136	2064	2169	2273	2429	2312	2229	1890	1751	1641	1635	1664	1829	2321	2596	2916	2512	1712	1752	1904	1994	1849	1792	1893	1865	1642		