

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	2,300 MW
Distillate	0 MW
Total TNB	5,091 MW
Total IPP	14,215 MW
Total Co-Gen	0 MW
Total System	19,870 MW

Generation Mix

Type	MWh	Percentage
Gas	42,003	13.22 %
Hydro	18,528	5.83 %
Total TNB	60,531	19.05 %
ST-Coal	182,010	57.28 %
Gas	75,394	23.73 %
Total IPP	257,404	81.01 %
Co-Gen	801	0.25 %
Total Co-Gen	801	0.25 %
Total Generation	318,736	100.31 %
PLTG	1,677	0.53 %
HVDC	-696	-0.22 %
Interconnection	981	0.31 %
Net Energy	317,755	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	15,821 MW
TNB Generation	3,191 MW
IPP Generation	11,650 MW
Spinning Reserve	952 MW
Maximum Demand	14,894 MW
Net Energy	317,755 MWH
Load Factor	88.89 %

Fuel Cost

Total Cost:	53,356,275.55 RM
Cost per Unit	17.77 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	598
Hydro	174
Syncon	529
Thermal	277
Total	1,578

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

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	14364	13822	13274	12801	12481	12231	11994	11937	11461	11579	12244	12846	12891	12972	13281	13554	13751	13539	13358	13817	14894	14800	14647	14590

Gas Usage

Station	(mmscfd)
GLGR	53
PGPS	22
SRDG	4
TJGS	222
Total TNB	301
CBPS	55
KLPP	82
MPSS	30
NPRI	144
PGLA	8
PLPS	75
PTEK	8
SGB3	40
SGRI	40
SKSP	56
YPKA	28
Total IPP	565
Total Gas	865
Total Gas Required	865

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Daily MW Generation on Wednesday

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	HY04	34	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	80	80	80													
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	183	184	183	183	183	175	92	93	-1																					
UJLI	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1															
UPIA	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	7	7	7	7	7	7	7	7	7	7	7															
Total Hydro		1098	783	652	595	540	540	538	540	539	535	536	536	532	537	533	524	389	541	537	422	422	446	519	518	491	640	640	728	727	728	808	805	852	824	843	744	679	675	683	1437	1455	1353	1416	1442	1507	1426	1402	1208		
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	34	38	39	41	40	39	37	40	39	40	39	36	37	39	38	35	35	34	35	38	35	33	29	33	31	29	28	28	28	28	28	29	25	26	28	29	29	30	30	30	28	29	30	33	33	33	33	36	37	
Total Co-Gen		34	38	39	41	40	39	37	40	39	40	39	36	37	39	38	35	35	34	35	38	35	33	29	33	31	29	28	28	28	28	29	25	26	28	29	29	30	30	30	28	29	30	33	33	33	33	36	37		
Total Gen		14411	14150	13895	13633	13348	13050	12856	12569	12485	12406	12311	12184	12071	12228	11998	11736	11460	11848	11547	12655	12272	12525	12880	12930	12967	12957	12997	13312	13336	13569	13573	13681	13842	13774	13643	13477	13376	13229	13848	14869	14860	14853	14892	14886	14755	14742	14615	14410		
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	-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	-30	-30	-29	-29	-29	-29	-29	-29		
TIE-PLTC		76	132	102	99	102	47	84	39	32	66	108	49	106	71	90	102	28	13	-2	118	57	71	63	123	105	-18	54	87	84	57	48	34	121	30	133	119	46	65	60	4	-4	50	121	67	136	73	54	51		
Interconnection		47	103	73	70	74	19	55	10	4	37	80	20	77	42	61	73	-1	-16	-32	88	28	42	34	94	76	-47	25	58	55	28	19	5	91	1	104	90	18	37	31	-25	-34	21	92	38	108	45	25	22		
System Total		14364	14047	13822	13563	13274	13031	12801	12559	12481	12369	12231	12164	11994	12186	11937	11663	11461	11864	11579	11967	12244	12483	12846	12836	12891	13004	12972	13254	13281	13541	13554	13676	13751	13773	13539	13387	13358	13192	13817	14894	14894	14832	14800	14848	14647	14697	14590	14388		
SRev ST-Coal		187	198	269	268	283	272	285	278	285	267	287	295	289	252	293	272	443	435	426	380	328	304	253	223	292	261	230	222	223	211	261	210	276	260	285	313	310	258	231	250	318	292	244	263	229	117	254	249		
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	25	-3	-5	-8	-9	-5	0	0	0	0		
SRev CCGT-Gas		1356	1295	1148	878	731	896	973	1225	1299	1351	1338	1275	1491	1380	1503	1717	1431	1266	1574	1078	908	705	417	403	413	652	640	423	395	275	304	398	385	444	570	547	588	947	361	370	552	525	602	614	841	540	712	588		
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		-4	-8	-9	-11	-10	-9	-7	-10	-9	-10	-9	-6	-7	-9	-8	-5	-5	-4	-5	-8	-5	-3	1	-3	-1	1	2	2	2	2	1	5	4	2	1	1	0	0	0	2	1	0	-3	-3	-3	-3	-6	-7		
Syncon		374	500	711	711	799	799	799	799	799	799	799	799	799	799	799	799	799	799	799	799	799	799	799	799	799	799	799	799	799	500	500	313	313	187	187	313	626	626	187	187	313	187	187	187	187	187	500			
Hydro		628	367	204	136	103	103	105	103	104	108	107	107	111	106	110	119	254	102	106	121	121	97	24	25	165	166	166	78	79	78	359	362	266	244	351	450	264	266	258	118	100	76	139	138	156	237	236	117		
S.Reserve Total		2541	2352	2323	1982	1906	2061	2155	2395	2478	2515	2522	2470	2683	2528	2697	2902	2922	2598	2900	2470	2251	2002	1494	1447	1658	1879	1837	1524	1498	1365	1425	1475	1244	1263	1394	1498	1600	2097	1476	952	1155	1201	1161	1190	1405	1078	1383	1447		