

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,019 MW
Hydro	2,383 MW
Distillate	0 MW
Total TNB	5,402 MW
Total IPP	13,531 MW
Total Co-Gen	0 MW
Total System	19,497 MW

Generation Mix

Type	MWh	Percentage
Gas	39,425	12.86 %
Hydro	12,646	4.13 %
Total TNB	52,071	16.99 %
ST-Coal	160,923	52.50 %
Gas	91,047	29.71 %
Total IPP	251,970	82.21 %
Co-Gen	1,634	0.53 %
Total Co-Gen	1,634	0.53 %
Total Generation	305,675	99.73 %
PLTG	-397	-0.13 %
EGAT	267	0.09 %
HVDC	-699	-0.23 %
Interconnection	-829	-0.27 %
Net Energy	306,504	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:	21:30:00 Hour
Total Set On Bus	15,741 MW
TNB Generation	2,858 MW
IPP Generation	11,500 MW
Spinning Reserve	1,321 MW
Maximum Demand	14,495 MW
Net Energy	306,504 MWH
Load Factor	88.11 %

Fuel Cost

Total Cost:	50,923,239.25 RM
Cost per Unit	17.38 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	428
Hydro	266
Syncon	759
Thermal	190
Total	1,643

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	40
GLGR	53
PAKA	26
TJGS	178
Total TNB	297
KLPP	88
MPSS	41
NPRI	153
PGLA	85
PLPS	76
SGRI	181
SKSP	51
Total IPP	675
Total Gas	972
Total Gas Required	972

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	13714	13099	12625	12122	11864	11712	11639	11299	10957	11509	12189	12670	12840	12776	13068	13251	13247	13078	12718	12917	14352	14412	14286	14004

Daily MW Generation on Sunday

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																									
TIE-HVDC		-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30											
TIE-PLTG		-48	24	-1	24	-19	-18	-3	-16	-6	-131	-82	-40	-45	-22	35	43	-24	1	-30	-49	-60	9	11	-32	-34	-61	-95	-36	5	-24	-6	2	45	8	32	21	-72	11	9	-48	0	18	29	-45	-29	-53	25	-16	
Interconnection		-77	-5	-30	-5	-48	-47	-31	-44	-35	-160	-110	-68	-74	-50	6	13	-53	-28	-59	-79	-89	-20	-18	-61	-63	-90	-125	-65	-24	7	26	33	76	40	62	50	-43	39	-21	-77	-29	-11	0	-75	-58	-82	-5	-46	
System Total		13714	13266	13099	12747	12625	12339	12122	12016	11864	11862	11712	11626	11639	11634	11299	10906	10957	11115	11509	11622	12189	12517	12670	12873	12840	12850	12776	12930	13068	13175	13251	13284	13247	13346	13078	12927	12718	12655	12917	13810	14352	14426	14412	14495	14286	14186	14004	13764	
SRev ST-Coal		331	344	184	175	237	259	294	336	401	401	397	397	394	401	398	342	343	350	233	243	273	262	340	310	262	261	224	308	314	239	210	114	74	85	89	70	63	74	65	80	71	87	75	80	73	109	114	75	
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
SRev CCGT-Gas		322	334	260	55	84	180	61	125	197	323	397	431	422	412	671	1021	1012	822	824	765	407	395	427	582	713	524	590	548	357	462	547	507	673	503	871	1206	1611	1578	1447	766	253	141	157	146	233	234	324	545	
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
SRev Co-Gen		5	7	6	7	3	4	1	4	3	2	2	5	3	4	3	4	7	9	11	10	11	12	12	15	14	15	15	16	17	-41	-42	-42	-40	-39	-38	-40	-42	-41	-43	-39	-41	-39	-42	-41	-41	-42	-42	-41	
Syncon		975	824	360	975	975	1126	1126	1126	1126	1126	1126	1126	1126	1126	975	975	975	975	975	975	975	824	824	824	824	799	824	975	824	0	462	547	824	1076	975	975	975	1126	1126	1126	824	824	824	824	1126	1126	1126	1126	
Hydro		102	330	524	316	196	56	57	67	64	52	61	61	66	57	72	74	77	74	74	80	62	206	203	194	194	312	191	62	189	424	290	432	297	40	86	48	62	43	90	65	301	303	305	302	112	50	60	58	
S.Reserve Total		1745	1849	1344	1538	1505	1635	1549	1668	1801	1914	1993	2030	2021	2010	2129	2426	2424	2240	2127	2083	1738	1709	1816	1935	2017	1921	1854	1919	1711	1094	1477	1568	1838	1675	1993	2269	2679	2790	2695	2008	1418	1326	1329	1321	1513	1487	1592	1773	