

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,848 MW
Hydro	1,866 MW
Distillate	0 MW
Total TNB	4,714 MW
Total IPP	15,122 MW
Total Co-Gen	45 MW
Total System	20,445 MW

Generation Mix

Type	MWh	Percentage
Gas	27,032	8.62 %
Hydro	12,617	4.03 %
Total TNB	39,649	12.65 %
ST-Coal	185,944	59.32 %
Gas	86,900	27.72 %
Total IPP	272,844	87.04 %
Co-Gen	1,224	0.39 %
Total Co-Gen	1,224	0.39 %
Total Generation	313,717	100.08 %
PLTG	265	0.08 %
Interconnection	265	0.08 %
Net Energy	313,452	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:	21:00:00 Hour
Total Set On Bus	16,116 MW
TNB Generation	2,180 MW
IPP Generation	12,518 MW
Spinning Reserve	1,379 MW
Maximum Demand	14,739 MW
Net Energy	313,452 MWH
Load Factor	88.61 %

Fuel Cost

Total Cost:	48,754,837.00 RM
Cost per Unit	16.19 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	435
Hydro	338
Syncon	687
Thermal	193
Total	1,653

Time Weather Temperature

Afternoon	Hot	35
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
GLGR	59
PGPS	25
SRDG	10
TJGS	109
Total TNB	203
CBPS	55
KLPP	98
NPRI	146
PDPS	2
PGLA	102
PLPS	53
PTEK	10
SGRI	173
SKSP	3
Total IPP	642
Total Gas	845

Total Gas Required 845

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	14676	13938	13174	12799	12629	12357	12150	11640	11227	11684	12271	12617	12673	12646	13038	13178	13261	13165	13123	13297	14297	14739	14551	14410

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																											
Total Gen		14657	14251	13917	13526	13243	12938	12795	12697	12633	12597	12292	12325	12111	11851	11658	11081	11200	11424	11688	11930	12278	12575	12617	12743	12727	12692	12607	12899	13023	13232	13188	13279	13296	13207	13163	13097	13113	13065	13285	13852	14311	14662	14737	14707	14662	14614	14423	14293			
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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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-PLTG		-19	38	-21	9	69	-8	-4	-30	4	14	-65	-17	-39	-6	18	9	-27	-38	4	-1	7	34	0	42	54	79	-39	8	-15	-9	10	38	35	24	-2	56	-10	11	-12	32	14	44	-2	41	111	50	13	23			
Interconnection		-19	38	-21	9	69	-8	-4	-30	4	14	-65	-17	-39	-6	18	9	-27	-38	4	-1	7	34	0	42	54	79	-39	8	-15	-9	10	38	35	24	-2	56	-10	11	-12	32	14	44	-2	41	111	50	13	23			
System Total		14676	14213	13938	13517	13174	12946	12799	12727	12629	12583	12357	12342	12150	11857	11640	11072	11227	11462	11684	11931	12271	12541	12617	12701	12673	12613	12646	12891	13038	13241	13178	13241	13261	13183	13165	13041	13123	13054	13297	13820	14297	14618	14739	14666	14551	14564	14410	14270			
SRev ST-Coal		104	-17	214	162	206	303	323	284	447	484	466	485	472	476	476	476	414	360	373	343	172	172	166	173	171	195	235	272	275	274	164	173	161	180	166	165	183	174	180	108	165	163	172	166	168	155	178	184			
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	185	83	0	71	116	55	39	119			
SRev CCGT-Gas		308	391	487	439	432	365	386	539	543	595	781	699	852	1116	1310	1756	1716	1396	1221	708	697	733	717	703	609	616	309	250	194	327	266	309	393	456	521	604	729	536	321	184	207	305	362	424	376	452	269				
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		10	17	18	17	17	16	16	14	17	16	13	15	15	13	14	12	13	2	2	1	2	2	4	3	3	4	4	6	6	4	2	5	4	7	4	6	6	5	4	4	6	5	6	7	7	5	5	7			
Syncon		640	663	814	814	814	814	814	814	814	663	814	915	1016	1016	1016	1167	1167	1167	1167	1167	1167	930	1081	955	955	1081	1081	930	741	741	590	590	590	590	590	590	741	741	615	363	212	212	514	363	363	489	489	489			
Hydro		361	460	330	332	339	330	329	332	332	460	449	377	338	343	339	251	88	72	115	79	71	230	74	140	172	124	121	210	347	242	485	443	396	529	527	527	402	402	421	589	628	576	382	508	569	506	506	500			
S.Reserve Total		1423	1514	1863	1764	1808	1828	1868	1983	2153	2218	2523	2491	2693	2964	3155	3662	3438	3317	3053	2811	2120	2031	2058	1988	2004	2013	2057	1727	1619	1455	1568	1477	1460	1699	1743	1809	1936	2051	1756	1385	1380	1246	1379	1477	1647	1586	1669	1568			