

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	1,716 MW
Distillate	0 MW
Total TNB	4,507 MW
Total IPP	15,727 MW
Total Co-Gen	0 MW
Total System	20,798 MW

Generation Mix

Type	MWh	Percentage
Gas	37,958	11.68 %
Hydro	22,277	6.85 %
Total TNB	60,235	18.53 %
ST-Coal	179,781	55.32 %
Gas	82,962	25.53 %
Total IPP	262,743	80.85 %
Co-Gen	1,605	0.49 %
Total Co-Gen	1,605	0.49 %
Total Generation	324,583	99.88 %
PLTG	299	0.09 %
HVDC	-699	-0.22 %
Interconnection	-400	-0.12 %
Net Energy	324,983	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	16,525 MW
TNB Generation	3,440 MW
IPP Generation	11,984 MW
Spinning Reserve	1,038 MW
Maximum Demand	15,432 MW
Net Energy	324,983 MWH
Load Factor	87.75 %

Fuel Cost

Total Cost:	52,795,129.80 RM
Cost per Unit	17.46 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	458
Hydro	280
Syncon	374
Thermal	350
Total	1,462

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	51
SRDG	5
TJGS	214
Total TNB	270
CBPS	54
KLPP	91
NPRI	152
PGLA	54
PKLG	2
PLPS	88
PTEK	6
SGB3	83
SGRI	2
SKSP	1
YPKA	72
Total IPP	606
Total Gas	875
Total Gas Required	875

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	13386	12755	12432	12023	11868	11594	11790	11610	11531	12735	13616	14222	14321	14169	14470	14651	14655	14352	14013	14571	15213	15129	14715	14346

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																										
PCUF	CUFG	31	30	29	30	30	29	29	29	30	30	30	29	28	30	30	30	31	30	30	27	29	28	29	28	27	26	26	24	25	27	25	26	25	25	26	27	27	27	25	25	25	26	27	26	26	26	27	25		
PCUF	CUFK	42	39	39	41	41	39	40	40	40	40	38	39	41	40	39	40	40	41	40	41	40	41	40	38	37	35	36	37	36	36	37	41	40	40	38	38	38	39	39	39	39	38	39	41	40	40	41	38	41	42
Total Co-Gen		73	69	68	71	71	68	69	69	70	70	68	68	69	70	69	70	71	71	70	68	70	68	67	65	62	62	63	60	61	64	66	66	65	63	64	65	66	66	64	63	64	67	67	66	67	64	68	67		
Total Gen		13386	13097	12779	12561	12402	12133	11977	11819	11848	11629	11587	11546	11712	11766	11631	11369	11457	12279	12718	13176	13556	13996	14200	14419	14307	14147	14158	14224	14400	14630	14644	14689	14662	14757	14367	14252	14042	14006	14576	15487	15242	15277	15170	15030	14683	14679	14343	14189		
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	-30	-30	-28	-28	-29	-30	-30	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	
TIE-PLTC		29	39	53	-13	0	-21	-18	-25	9	4	23	-25	-50	-14	50	-63	-45	-7	12	-36	-31	-17	7	19	14	38	19	-29	-40	2	22	9	36	3	44	25	58	18	33	84	58	13	70	95	-1	86	26	35		
Interconnection		0	10	24	-42	-30	-51	-46	-54	-20	-26	-7	-55	-78	-42	21	-92	-74	-36	-17	-66	-60	-46	-22	-10	-14	9	-11	-58	-70	-27	-7	-20	7	-26	15	-4	29	-12	5	55	29	-16	41	66	-32	56	-3	6		
System Total		13386	13087	12755	12603	12432	12184	12023	11873	11868	11655	11594	11601	11790	11808	11610	11461	11531	12315	12735	13242	13616	14042	14222	14429	14321	14138	14169	14282	14470	14657	14651	14709	14655	14783	14352	14256	14013	14018	14571	15432	15213	15293	15129	14964	14715	14623	14346	14183		
SRev ST-Coal		435	447	462	457	453	698	698	700	697	717	707	644	746	664	705	679	690	428	476	440	428	430	377	345	356	350	387	359	359	379	377	334	360	371	352	352	363	376	398	255	235	223	225	220	358	369	356	359		
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	123	96	131	139	177	134	134	0	0
SRev CCGT-Gas		1175	1272	1100	1273	1323	1227	1158	1246	1230	1346	1460	1466	1274	1214	1309	1490	1579	877	810	586	504	364	367	355	420	305	407	419	429	317	281	281	399	284	561	494	642	697	562	395	356	411	484	509	481	351	611	270		
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		-16	-12	-11	-14	-14	-11	-12	-12	-13	-13	-11	-11	-12	-13	-12	-13	-14	-14	-13	-11	-13	-11	-10	-8	-5	-5	-6	-3	-4	-7	-9	-9	-8	-6	-7	-8	-9	-9	-7	-6	-7	-10	-10	-9	-10	-7	-11	-10		
Syncon		971	971	971	971	820	971	971	971	971	820	971	971	820	820	971	597	597	446	446	446	446	446	446	446	446	446	446	446	446	446	446	210	210	210	210	210	210	210	126	126	252	252	252	137	137	137	137	137		
Hydro		155	136	140	101	229	100	98	104	99	231	143	150	151	277	284	101	288	112	230	258	357	429	405	93	228	561	457	409	222	90	116	114	233	237	369	454	508	498	197	145	256	269	293	274	324	324	335	566		
S.Reserve Total		2720	2814	2662	2788	2811	2985	2913	3009	2984	3101	3270	3220	3130	2962	3106	3228	3140	2000	1949	1719	1722	1658	1585	1231	1445	1657	1691	1630	1452	1225	1211	1166	1194	1096	1485	1502	1714	1772	1276	1038	1188	1276	1383	1308	1424	1308	1428	1322		