

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,287 MW
Hydro	1,875 MW
Distillate	0 MW
Total TNB	5,162 MW
Total IPP	14,976 MW
Total Co-Gen	24 MW
Total System	20,699 MW

Generation Mix

Type	MWh	Percentage
Gas	64,671	17.89 %
Hydro	11,307	3.13 %
Total TNB	75,978	21.01 %
ST-Coal	180,338	49.88 %
Gas	104,075	28.79 %
Total IPP	284,413	78.66 %
Co-Gen	452	0.13 %
Total Co-Gen	452	0.13 %
Total Generation	360,843	99.80 %
PLTG	-8	0.00 %
HVDC	-703	-0.19 %
Interconnection	-711	-0.20 %
Net Energy	361,554	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:	15:30:00 Hour
Total Set On Bus	18,543 MW
TNB Generation	4,045 MW
IPP Generation	13,206 MW
Spinning Reserve	1,272 MW
Maximum Demand	17,305 MW
Net Energy	361,554 MWH
Load Factor	87.05 %

Fuel Cost

Total Cost:	49,680,168.70 RM
Cost per Unit	14.21 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	484
Hydro	326
Syncon	449
Thermal	136
Total	1,395

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	58
GLGR	54
PAKA	174
PGPS	42
SRDG	20
TJGS	163
Total TNB	511
CBPS	53
KLPP	100
MPSS	52
NPRI	107
PDPS	8
PGLA	109
PKLG	7
PLPS	98
PTEK	21
SGRI	184
SKSP	52
Total IPP	791
Total Gas	1,302
Total Gas Required	1,302

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	14501	13810	13287	12987	12661	12406	12545	12259	12868	14712	15872	16584	16552	16256	16926	17214	17286	16896	15651	15228	16497	16333	15989	15641

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																										
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	30	18	0	0	0	30	30	30	30	30	0	0	0	0	0	30	30	30	30	30	30	0	0										
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	0	0	0	25	25	25	25	25	0	0	0	0	25	25	25	25	25	25	25	0	0										
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	0	0	0	25	25	25	25	25	22	0	0	0	25	25	25	25	25	25	25	0	0										
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	0	0	0	25	25	25	25	25	25	0	0	0	6	25	25	25	25	25	25	0	0										
TMGR	HY01	30	34	36	36	39	35	34	33	35	31	25	20	27	32	40	40	43	43	40	39	36	82	82	82	82	83	36	79	82	82	82	83	83	82	82	36	28	34	34	72	69	70	68	70	65	72	68	66		
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	86	86	86	86	85	38	81	86	86	86	85	86	85	86	38	29	35	35	73	72	72	71	68	72	71	66	66	66						
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	80	80	80	80	80	38	80	80	80	80	80	80	80	79	-1	-1	-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	5	5	5	5	5	5	5	5	5	5	5	5	5	5				
Total Hydro		192	198	216	171	213	184	166	165	170	182	146	132	140	175	173	173	180	180	181	264	237	658	848	763	796	465	335	728	875	1028	1044	1027	1017	1013	851	425	225	246	245	518	783	846	782	782	711	628	458	450		
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	0	
PCUF	CUFK	19	19	20	21	20	19	18	21	19	19	21	22	19	20	20	19	21	20	21	19	19	20	20	20	20	19	19	21	20	20	20	21	20	19	20	20	20	21	19	20	21	19	20	10	0	0	19			
Total Co-Gen		19	19	20	21	20	19	18	21	19	19	21	22	19	20	20	19	21	20	21	19	19	20	20	20	20	19	19	21	20	20	20	21	20	19	20	20	20	21	19	20	21	19	20	10	0	0	19			
Total Gen		14474	13970	13772	13391	13189	13051	12938	12698	12603	12476	12428	12421	12562	12608	12214	12268	12860	13962	14666	15421	15846	16214	16599	16701	16524	16371	16224	16638	16915	17245	17161	17271	17231	17243	16914	16180	15637	15129	15130	16181	16456	16442	16301	16239	15991	15871	15591	15273		
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		-30	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-29	-29	-30	-30	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-29	-29	-29	
TIE-PLTG		3	27	-10	-56	-70	0	-21	63	-28	27	52	74	46	46	-17	-37	21	19	-17	0	3	-10	45	-6	1	-12	-2	27	18	-10	-24	-5	-26	33	48	7	15	-65	-68	-43	-12	-36	-3	-25	32	-12	-20	8		
Interconnection		-27	-2	-38	-85	-98	-29	-49	33	-58	-2	22	45	17	17	-45	-66	-8	-10	-46	-29	-26	-39	15	-35	-28	-42	-32	-3	-11	-39	-53	-34	-55	3	18	-22	-14	-94	-98	-72	-41	-65	-32	-55	2	-42	-50	-20		
System Total		14501	13972	13810	13476	13287	13080	12987	12665	12661	12478	12406	12376	12545	12591	12259	12334	12868	13972	14712	15450	15872	16253	16584	16736	16552	16413	16256	16641	16926	17284	17214	17305	17286	17240	16896	16202	15651	15223	15228	16253	16497	16507	16333	16294	15989	15913	15641	15293		
SRev ST-Coal		128	184	223	213	222	188	251	307	337	269	185	89	65	67	221	212	224	223	213	213	114	41	135	128	132	26	117	105	126	125	142	148	133	127	144	147	154	142	158	138	151	137	129	127	132	109	137	154		
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	0
SRev CCGT-Gas		406	375	293	235	470	548	746	1027	1160	1364	1463	1553	1445	1428	1868	1820	1481	899	657	137	209	198	159	185	390	321	254	344	468	372	411	373	374	374	491	457	675	1197	1228	472	575	666	619	579	741	651	512	620		
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		5	5	4	3	4	4	5	6	3	5	5	3	2	5	4	4	5	3	4	3	5	5	4	4	4	4	5	5	3	4	4	4	3	4	5	4	4	4	3	5	4	3	5	4	14	24	24	5		
Syncon		802	802	802	802	802	802	802	802	651	802	802	802	802	802	802	802	802	630	504	504	504	630	630	403	302	302	151	302	302	302	403	613	714	714	714	588	386	386	386	386	386	386	487	487	487	487	487	487		
Hydro		255	249	231	126	84	113	131	132	127	266	151	165	157	273	124	124	117	117	116	231	258	234	170	255	222	202	332	391	395	417	552	418	428	432	393	434	358	337	338	266	353	290	354	354	325	307	304	312		
S.Reserve Total		1596	1615	1553	1379	1582	1655	1935	2274	2429	2555	2606	2613	2471	2424	3019	2962	2629	2044	1792	1386	1401	1258	1102	1223	1400	1328	1555	1475	1468	1278	1362	1272	1312	1300	1569	1796	2066	2557	2571	1595	1470	1484	1496	1450	1598	1578	1464	1578		