

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,327 MW
Hydro	1,698 MW
Distillate	0 MW
Total TNB	5,025 MW
Total IPP	15,168 MW
Total Co-Gen	31 MW
Total System	20,794 MW

Generation Mix

Type	MWh	Percentage
Gas	60,080	16.83 %
Hydro	11,459	3.21 %
Total TNB	71,539	20.04 %
ST-Coal	185,199	51.89 %
Gas	98,539	27.61 %
Total IPP	283,738	79.50 %
Co-Gen	772	0.22 %
Total Co-Gen	772	0.22 %
Total Generation	356,049	99.76 %
PLTG	-170	-0.05 %
HVDC	-701	-0.20 %
Interconnection	-871	-0.24 %
Net Energy	356,920	100.00 %

Maximum Demand Record

Date: 3/21/2016	17,358 MW
Date: 3/10/2016	359,307 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:00:00 Hour
Total Set On Bus	18,274 MW
TNB Generation	3,909 MW
IPP Generation	12,992 MW
Spinning Reserve	1,344 MW
Maximum Demand	16,963 MW
Net Energy	356,920 MWH
Load Factor	87.67 %

Fuel Cost

Total Cost:	50,027,637.15 RM
Cost per Unit	14.52 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	581
Hydro	450
Syncon	193
Thermal	229
Total	1,453

Time Weather Temperature

Afternoon	Hot	35
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
GLGR	51
PAKA	173
PGPS	24
SRDG	10
TJGS	203
Total TNB	462
CBPS	51
KLPP	105
NPRI	149
PDPS	21
PGLA	92
PKLG	14
PLPS	89
PTEK	25
SGRI	168
SKSP	30
Total IPP	742
Total Gas	1,204
Total Gas Required	1,204

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	14686	13824	13343	12920	12676	12412	12502	12341	12759	14658	15650	16374	16354	16083	16625	16963	16907	16468	15095	14855	16023	16055	15741	15330

Daily MW Generation on Tuesday

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	HY01	29	28	33	37	36	32	32	30	33	34	34	29	35	31	28	31	35	37	37	80	79	83	81	77	28	30	37	42	58	58	58	62	57	57	56	38	36	38	38	38	42	39	39	37	37	38	38			
TMGR	HY02	25	29	34	40	37	36	33	28	33	35	35	30	36	30	28	33	34	72	71	69	68	68	77	69	64	65	58	66	71	67	69	68	70	59	58	56	-1	-1	-1	58	57	61	58	59	38	-1	-1	-1		
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	79	75	81	76	77	29	31	35	39	57	58	58	60	58	58	0	0	0	0	0	0	0	0	0	0	0	0	0			
TMGR	HY04	-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	-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	5			
Total Hydro		310	255	278	294	286	280	278	267	282	284	285	270	289	273	263	277	284	371	336	391	722	711	882	777	764	473	463	570	597	977	983	984	886	891	702	472	248	244	246	543	643	660	650	581	527	303	208	211		
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	CUFU	8	8	12	13	12	12	12	12	12	11	11	11	11	12	11	11	12	12	13	12	10	12	9	8	10	9	9	10	9	11	10	11	12	13	13	13	15	14	15	14	15	13	11	11	11	11	11	10		
PCUF	CUFK	30	29	31	28	22	20	20	21	21	20	20	20	21	19	21	20	21	21	18	20	18	20	20	20	20	21	21	20	19	19	19	19	19	19	20	21	20	19	20	21	20	18	20	20	21	20	20	21		
Total Co-Gen		38	37	43	41	34	32	32	33	33	31	31	31	32	31	32	31	33	33	31	32	28	32	29	26	30	29	29	31	30	31	29	31	32	32	32	34	34	36	34	34	33	32	31	29	31	31	31			
Total Gen.		14653	14051	13791	13498	13311	13223	12887	12715	12643	12501	12380	12305	12470	12460	12309	12181	12727	13859	14625	15214	15618	15993	16341	16473	16321	16097	16049	16296	16591	16917	16930	16929	16874	16816	16435	15738	15066	14754	14753	15705	15956	16069	16021	15993	15741	15538	15321	14847		
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		
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	-29	-29	-29	-29	-29	-29	-29	-29		
TIE-PLTG		-4	-4	-4	-4	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4		
Interconnection		-33	-33	-33	-33	-32	-32	-33	-33	-33	-33	-32	-32	-32	-32	-32	-32	-32	-33	-33	-32	-32	-33	-33	-32	-32	-33	-33	-34	-34	-34	-34	-35	-33	-33	-33	-33	-33	-4	-29	-73	-102	-74	-67	-96	-34	-25	0	-11	-9	-71
System Total		14686	14084	13824	13531	13343	13255	12920	12748	12676	12534	12412	12337	12502	12492	12341	12213	12759	13891	14658	15247	15650	16025	16374	16506	16354	16131	16083	16330	16625	16952	16963	16962	16907	16849	16468	15742	15095	14827	14855	15779	16023	16165	16055	16018	15741	15549	15330	14918		
SRev ST-Coal		395	389	401	377	329	365	373	411	408	371	382	374	352	360	407	374	374	363	380	374	398	365	345	171	85	59	74	67	21	164	151	161	162	171	171	90	58	41	53	32	255	224	246	260	249	239	237	257		
SRev OCGT-Gas		130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101	13	18	55	132	118	253	254	226	157	166	164	177	122	175	188	180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev CCGT-Gas		575	920	610	721	915	1042	1365	1461	1581	1762	1869	2170	2051	2031	2255	2432	1894	860	706	391	529	617	420	354	597	520	542	439	425	428	434	415	427	428	607	622	1050	1375	1238	602	561	496	511	455	661	654	503	821		
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		-7	-6	-12	-10	-3	-1	-1	-2	-2	0	0	0	-1	0	-1	0	-2	-2	0	-1	3	-1	2	5	1	2	2	0	1	0	2	0	-1	-1	-1	-1	-3	-3	-5	-3	-3	-2	-1	0	2	0	0	0		
Syncon		311	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	412	311	210	210	210	210	311	311	311	311	126	126	126	126	126	126	311	802	802	802	227	126	126	126	126	126	550	651	651		
Hydro		622	576	553	537	545	551	553	564	549	547	546	561	542	558	568	554	547	453	495	573	343	455	284	439	452	642	652	545	518	473	467	466	564	559	548	508	91	95	93	371	372	355	365	386	440	240	234	231		
S.Reserve Total		2026	2291	1964	2037	2198	2369	2702	2846	2948	3092	3209	3517	3356	3361	3641	3772	3225	2086	1993	1850	1597	1664	1316	1311	1463	1787	1835	1588	1433	1357	1344	1345	1400	1458	1639	1710	1998	2310	2181	1229	1311	1199	1247	1227	1478	1683	1625	1960		