

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	15,108 MW
Total Co-Gen	75 MW
Total System	20,778 MW

Generation Mix

Type	MWh	Percentage
Gas	59,328	16.57 %
Hydro	8,732	2.44 %
Total TNB	68,060	19.01 %
ST-Coal	191,397	53.46 %
Gas	97,774	27.31 %
Total IPP	289,171	80.77 %
Co-Gen	1,542	0.43 %
Total Co-Gen	1,542	0.43 %
Total Generation	358,773	100.21 %
PLTG	129	0.04 %
HVDC	610	0.17 %
Interconnection	739	0.21 %
Net Energy	358,034	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:	14:30:00 Hour
Total Set On Bus	18,417 MW
TNB Generation	3,716 MW
IPP Generation	13,409 MW
Spinning Reserve	1,229 MW
Maximum Demand	17,157 MW
Net Energy	358,034 MWH
Load Factor	86.95 %

Fuel Cost

Total Cost:	49,686,212.85 RM
Cost per Unit	14.20 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	342
Hydro	298
Syncon	612
Thermal	202
Total	1,454

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	52
PAKA	189
PGPS	25
SRDG	8
TJGS	183
Total TNB	456
CBPS	49
KLPP	93
NPRI	151
PGLA	108
PLPS	90
PTEK	28
SGRI	165
SKSP	35
Total IPP	719

Total Gas 1,175
Total Gas Required 1,175
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	14533	13869	13386	13026	12577	12313	12488	12299	12858	14618	15589	16409	16460	16131	16901	17145	17067	16490	15191	14819	16124	16112	15707	15372

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																										
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	83	86	77	0	0	0	76	81	82	84	82	85	76	68	32	0	0	0	36	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	79	72	-1	-1	-1	74	38	-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												
Total Hydro		181	186	175	175	176	183	183	190	182	202	178	177	176	181	175	174	195	204	214	257	251	397	526	644	527	236	200	210	664	711	706	651	635	798	655	633	300	280	307	941	788	554	493	467	270	189	196			
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				
PCUF	CUPG	21	35	41	40	40	40	40	41	40	43	42	42	43	42	43	44	44	43	40	42	42	41	41	40	41	41	42	41	41	41	42	39	40	39	44	43	42	43	42	41	42	44	43	42	43	42	43	41		
PCUF	CUPK	20	24	23	24	23	23	22	25	24	24	23	23	23	22	24	22	23	23	25	23	22	23	23	22	23	23	23	23	23	23	23	24	23	23	23	24	24	23	22	24	23	24	25	24	23	24	23	24	23	
Total Co-Gen		41	59	64	64	63	63	62	66	64	67	65	65	66	64	67	66	65	65	64	64	64	62	64	64	65	64	64	63	65	62	64	62	67	66	66	66	67	65	63	66	67	67	67	67	67	65	67	64		
Total Gen		14541	14017	13866	13560	13431	13200	13046	12856	12596	12548	12369	12443	12516	12641	12387	12250	12841	13985	14605	15252	15641	16104	16411	16616	16507	16220	16110	16309	16942	17188	17161	17111	17165	16822	16556	15913	15218	14799	14846	15943	16187	16231	16171	16163	15839	15668	15430	15079		
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	-28	-29	-29	30	30	31	31	30	30	30	30	30	30	31	31	30	30	30	30	31	31	31	31	31	31	30	30	30	30	30	30	31	31	30	30	30	30	30	31	31	30	30	30	30	30	30	30		
TIE-PLTG		37	23	26	-3	15	17	-11	-18	-11	15	26	23	-2	21	57	-31	-47	14	-43	-64	23	-52	-30	-45	16	40	-52	-82	11	2	-15	-22	68	-130	35	50	-4	-4	-3	-3	32	17	29	48	102	101	27	57		
Interconnection		8	-6	-3	-32	45	47	20	13	19	45	56	53	28	51	88	-1	-17	44	-13	-34	52	-23	2	-13	47	71	-21	-52	41	31	16	8	98	-99	66	81	27	26	27	27	63	47	59	78	132	131	58	87		
System Total		14533	14023	13869	13592	13386	13153	13026	12843	12577	12503	12313	12390	12488	12590	12299	12251	12858	13941	14618	15286	15589	16127	16409	16629	16460	16149	16131	16361	16901	17157	17145	17103	17067	16921	16490	15832	15191	14773	14819	15916	16124	16184	16112	16085	15707	15537	15372	14992		
SRev ST-Coal		230	232	247	248	239	288	237	313	295	300	305	288	284	318	330	329	223	221	265	234	183	136	144	132	133	138	120	111	137	159	167	157	164	271	285	349	359	347	350	393	262	259	259	246	254	252	240	263		
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	2	30	25	4	58	90	-4	-3	-1	0	93	20	157	252	156	79	13	14	14	14	13	14	0	0	0
SRev CCGT-Gas		924	1028	1149	1456	1282	1375	1572	1626	1895	1963	2112	2095	2040	1893	2129	2259	1751	1617	1149	719	610	363	177	206	171	167	281	154	149	129	144	144	191	193	206	561	458	861	805	364	241	238	360	358	472	469	554	384		
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		34	16	11	11	12	12	13	9	11	8	10	10	9	11	8	9	8	9	10	10	11	11	11	13	11	11	10	11	11	12	10	13	11	13	8	9	9	8	10	12	9	8	8	8	8	8	10	8	11	
Syncon		802	802	802	802	802	802	802	802	651	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	714	714	714	714	714	412	328	328	412	563	563	126	126	311	311	462	802	802	802	676		
Hydro		110	105	116	116	115	108	108	101	109	240	113	114	115	110	116	117	96	87	228	235	140	94	50	82	199	105	91	81	223	219	231	286	302	441	518	590	616	400	373	176	614	578	539	414	271	251	244	245		
S.Reserve Total		2100	2183	2325	2633	2450	2585	2732	2851	3112	3162	3342	3309	3250	3134	3385	3516	2880	2736	2303	1849	1746	1406	1184	1237	1346	1248	1333	1242	1324	1229	1263	1313	1382	1423	1365	1994	2131	2360	2205	1109	1266	1408	1491	1501	1821	1809	1848	1704		