

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,043 MW
Hydro	2,498 MW
Distillate	0 MW
Total TNB	5,541 MW
Total IPP	14,961 MW
Total Co-Gen	70 MW
Total System	21,136 MW

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:	16:00:00 Hour
Total Set On Bus	18,193 MW
TNB Generation	3,900 MW
IPP Generation	13,142 MW
Spinning Reserve	1,091 MW
Maximum Demand	17,095 MW
Net Energy	361,556 MWH
Load Factor	88.12 %

Gas Usage

Station	(mmscfd)
GLGR	54
PGPS	33
SRDG	15
TJGS	213
Total TNB	315
CBPS	54
KLPP	97
NPRI	152
PDPS	1
PGLA	106
PKLG	6
PLPS	70
PTEK	42
SGB3	96
SGRI	82
Total IPP	707

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	44,413	12.28 %
Hydro	25,134	6.95 %
Total TNB	69,547	19.24 %
ST-Coal	194,460	53.78 %
Gas	95,489	26.41 %
Total IPP	289,949	80.19 %
Co-Gen	1,532	0.42 %
Total Co-Gen	1,532	0.42 %
Total Generation	361,028	99.85 %
PLTG	165	0.05 %
HVDC	-693	-0.19 %
Interconnection	-528	-0.15 %
Net Energy	361,556	100.00 %

Fuel Cost

Total Cost:	56,545,781.15 RM
Cost per Unit	16.83 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	225
Hydro	443
Syncon	441
Thermal	160
Total	1,269

Time Weather Temperature

Afternoon	Hot	35
Morning	Cloudy	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	14602	13946	13257	12916	12615	12449	12579	12662	13029	14797	15803	16548	16376	16097	16653	17037	17095	16765	15608	15411	16556	16536	16031	15651

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																										
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	92	100	91	92	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	94	95	93	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1								
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	95	96	94	-1	-1	-1	-1	-1	-1	88	95	95	95	98	95	82	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
UPIA	HY01	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	4	4	4	4	4	4	4	4	4	4	4	4	4		
UPIA	HY02	4	4	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		848	825	822	823	817	605	604	564	534	538	528	550	544	544	539	559	539	865	867	954	1284	1594	1540	1630	1512	1476	1263	1303	1581	1619	1712	1713	1689	1678	1436	711	563	556	595	1234	1320	1315	1316	1305	1303	1260	1169	894		
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	0
PCUF	CUFG	26	26	26	28	28	28	29	29	26	25	29	28	28	28	29	26	26	24	24	24	22	21	21	22	22	21	21	21	21	21	22	22	22	22	22	22	22	22	22	22	22	22	21	20	21	21	21			
PCUF	CUFK	37	42	40	41	40	41	37	41	39	39	39	39	41	40	38	40	41	40	41	41	39	41	38	39	40	40	43	41	40	39	39	38	38	38	38	40	39	39	40	40	40	41	42	41	41	39	40			
Total Co-Gen		63	68	66	69	68	68	69	66	70	65	64	68	67	69	68	66	69	67	66	65	65	63	65	60	60	61	62	65	62	61	60	60	60	60	60	62	61	61	62	62	62	63	63	61	62	60	61			
Total Gen		14599	14215	13873	13524	13199	13100	12859	12756	12541	12533	12415	12415	12559	12857	12642	12574	13024	14024	14761	15281	15788	16260	16503	16640	16364	16308	16138	16367	16649	16943	17010	17088	17102	17095	16772	16144	15621	15219	15369	16156	16502	16448	16475	16390	16042	15816	15628	15271		
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	-29	-28	-28	-29	-29	-28	-28	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-28	-28	-28	-28	-30	-30	-29	-29				
TIE-PLTG		27	-35	-44	-27	-29	8	-29	40	-45	7	-6	0	10	-6	9	32	23	-18	-7	-30	14	45	-16	-1	17	24	70	-42	24	26	2	28	36	58	36	32	43	-6	-12	6	-26	-16	-33	27	40	10	6	60		
Interconnection		-3	-64	-73	-56	-58	-20	-57	11	-74	-22	-34	-28	-20	-35	-20	4	-5	-46	-36	-60	-15	16	-45	-30	-12	-4	41	-71	-4	-3	-27	-1	7	29	7	3	13	-35	-42	-23	-54	-44	-61	-1	11	-20	-23	31		
System Total		14602	14279	13946	13580	13257	13120	12916	12745	12615	12555	12449	12443	12579	12892	12662	12570	13029	14070	14797	15341	15803	16244	16548	16670	16376	16312	16097	16438	16653	16946	17037	17089	17095	17066	16765	16141	15608	15254	15411	16179	16556	16492	16536	16391	16031	15836	15651	15240		
SRev ST-Coal		154	150	163	154	149	257	305	384	403	400	405	401	396	395	401	458	396	405	293	208	197	141	145	152	166	148	160	146	172	137	148	139	129	131	204	124	156	152	156	174	108	151	129	159	140	145	157	166		
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	102	-2	112	45	50	60	30	111	20	20	57	23	23	24	25	274	314	301	-5	-1	-1	-3	-5	205	0	0	0			
SRev CCGT-Gas		869	940	895	1058	1309	1053	1134	1115	1284	1292	1395	1426	1280	985	1187	1209	901	543	443	174	264	162	184	134	236	270	306	164	281	150	164	167	173	167	174	156	252	264	162	303	105	111	110	156	201	261	344	418		
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		7	2	4	1	2	2	1	4	0	5	6	2	3	1	2	4	1	3	4	5	5	7	5	10	10	9	8	5	8	9	10	10	10	10	10	10	10	8	9	9	8	8	8	7	7	9	8	10	9	
Syncon		928	1079	1079	1079	1079	1079	1079	1014	1165	1165	1165	1014	1165	1165	1165	1102	1253	741	741	741	453	302	489	489	676	676	953	953	338	338	151	151	151	151	338	953	1248	1248	1097	626	626	626	626	500	500	500	500	802		
Hydro		193	65	68	67	73	199	200	222	101	97	107	236	91	91	96	226	95	281	279	390	456	549	466	376	307	343	279	239	576	538	632	631	605	616	471	306	159	166	278	385	299	304	303	315	317	360	451	274		
S.Reserve Total		2151	2236	2209	2359	2612	2590	2719	2739	2953	2959	3078	3079	2935	2637	2851	2999	2646	1973	1760	1518	1375	1263	1287	1273	1440	1496	1766	1537	1486	1192	1125	1155	1091	1098	1221	1574	2097	2153	2003	1491	1145	1199	1172	1132	1372	1274	1462	1669		