

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,409 MW
Hydro	2,333 MW
Distillate	0 MW
Total TNB	5,742 MW
Total IPP	13,927 MW
Total Co-Gen	0 MW
Total System	19,951 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:	14:30:00 Hour
Total Set On Bus	17,081 MW
TNB Generation	3,070 MW
IPP Generation	12,323 MW
Spinning Reserve	1,609 MW
Maximum Demand	15,503 MW
Net Energy	331,538 MWH
Load Factor	89.11 %

Gas Usage

Station	(mmscfd)
CBPS	20
GLGR	54
PGPS	28
TJGS	209
Total TNB	311
KLPP	98
MPSS	42
NPRI	144
PGLA	85
PLPS	92
SGB3	50
SGRI	178
SKSP	44
Total IPP	733
Total Gas	1,044

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	42,497	12.82 %
Hydro	18,891	5.70 %
Total TNB	61,388	18.52 %
ST-Coal	171,239	51.65 %
Gas	96,091	28.98 %
Total IPP	267,330	80.63 %
Co-Gen	1,926	0.58 %
Total Co-Gen	1,926	0.58 %
Total Generation	330,644	99.73 %
PLTG	-190	-0.06 %
HVDC	-704	-0.21 %
Interconnection	-894	-0.27 %
Net Energy	331,538	100.00 %

Fuel Cost

Total Cost:	53,361,384.30 RM
Cost per Unit	17.11 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	694
Hydro	223
Syncon	812
Thermal	132
Total	1,861

Total Gas Required 1,044

Time Weather Temperature

Afternoon	Hot	30
Morning	Sunny	25

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	13247	12728	12157	11890	11668	11486	11909	11982	12323	14059	14731	15344	15240	14832	15281	15413	15473	15201	14272	14182	14964	14738	14188	13789

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																														
Total Co-Gen		82	81	82	81	81	80	82	81	81	80	81	80	82	82	79	82	81	82	80	81	80	80	79	79	79	81	80	80	80	79	79	79	80	82	80	79	81	80	81	79	80	81	79	81	80	79	81	80	79	78	78			
Total Gen		13198	12905	12620	12335	12115	12045	11798	11677	11602	11409	11419	11544	11862	12069	11951	11975	12278	13374	14075	14321	14698	15031	15332	15422	15273	14953	14820	15002	15231	15472	15411	15378	15440	15446	15211	14666	14251	14112	14154	14879	14941	14824	14722	14571	14146	14069	13712	13274						
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	0	0	0	0	0
TIE-HVDC		-30	-30	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30			
TIE-PLTG		-20	-5	-78	-13	-12	-36	-62	-65	-37	-9	-38	-9	-18	-23	-2	-59	-16	2	45	-29	-4	9	18	-13	62	2	18	-25	-21	-2	27	-46	-3	5	39	-2	10	40	0	29	6	12	14	-25	-12	14	-48	1						
Interconnection		-49	-34	-108	-43	-42	-66	-92	-94	-66	-38	-67	-38	-47	-52	-31	-88	-45	-27	16	-59	-33	-21	-12	-42	33	-28	-12	-54	-50	-31	-2	-75	-33	-24	10	-32	-21	12	-28	0	-23	-18	-16	-54	-42	-15	-77	-28						
System Total		13247	12939	12728	12378	12157	12111	11890	11771	11668	11447	11486	11582	11909	12121	11982	12063	12323	13401	14059	14380	14731	15052	15344	15464	15240	14981	14832	15056	15281	15503	15413	15453	15473	15470	15201	14698	14272	14100	14182	14879	14964	14842	14738	14625	14188	14084	13789	13302						
SRev ST-Coal		105	172	158	173	189	171	210	228	234	223	227	220	210	232	234	208	204	168	185	156	167	163	122	116	128	108	126	122	123	134	113	122	120	137	114	121	123	127	134	124	123	128	121	123	115	135	159	115						
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	0	0		
SRev CCGT-Gas		1179	764	996	1260	1462	1548	1758	1797	1874	2077	2062	1944	1643	1421	1531	1539	1679	1333	955	841	828	855	745	670	686	834	947	773	675	514	600	623	569	532	645	1117	966	1117	1148	805	750	691	696	477	839	753	821	955						
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	0			
SRev Co-Gen		-61	-60	-61	-60	-60	-59	-61	-60	-60	-59	-60	-59	-61	-61	-58	-61	-60	-61	-59	-60	-59	-59	-58	-58	-58	-60	-59	-59	-59	-58	-58	-58	-59	-61	-59	-58	-60	-59	-60	-58	-59	-60	-58	-60	-59	-58	-57	-57						
Syncon		1101	950	950	950	950	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	950	1101	799	799	799	612	799	799	799	799	799	799	799	799	799	799	799	799	799	799	799	799	799	799	799	799	799	799	799	799	799	799	799	799			
Hydro		69	61	60	65	67	67	67	65	65	66	66	63	61	56	55	53	56	69	183	62	404	173	231	319	243	337	338	334	302	210	206	207	212	218	211	276	246	256	364	341	336	207	158	155	164	164	169	72						
S.Reserve Total		2393	1887	2103	2388	2608	2828	3075	3131	3214	3408	3396	3269	2954	2749	2863	2840	2980	2610	2214	2100	2139	1931	1839	1659	1808	2028	2161	1979	1850	1609	1670	1703	1641	1625	1710	2255	2225	2391	2349	1824	1637	1729	1831	1609	1973	1782	1880	2060						