

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,043 MW
Hydro	2,398 MW
Distillate	0 MW
Total TNB	5,441 MW
Total IPP	15,799 MW
Total Co-Gen	30 MW
Total System	21,834 MW

Generation Mix

Type	MWh	Percentage
Gas	34,588	10.14 %
Hydro	19,066	5.59 %
Total TNB	53,654	15.74 %
ST-Coal	201,180	59.01 %
Gas	85,734	25.15 %
Total IPP	286,914	84.15 %
Co-Gen	718	0.21 %
Total Co-Gen	718	0.21 %
Total Generation	341,286	100.10 %
PLTG	-395	-0.12 %
HVDC	732	0.21 %
Interconnection	337	0.10 %
Net Energy	340,949	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:	11:30:00 Hour
Total Set On Bus	17,495 MW
TNB Generation	2,620 MW
IPP Generation	13,144 MW
Spinning Reserve	1,702 MW
Maximum Demand	15,806 MW
Net Energy	340,949 MWH
Load Factor	89.88 %

Fuel Cost

Total Cost:	52,332,007.70 RM
Cost per Unit	16.46 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	620
Hydro	294
Syncon	776
Thermal	285
Total	1,975

Time	Weather	Temperature
Afternoon	Rainy	34
Morning	Rainy	27

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	14035	13193	12659	12332	12133	12029	12264	12436	12716	14361	15063	15639	15437	14933	15497	15632	15558	15137	14567	14529	15622	15474	14820	14361

Gas Usage

Station	(mmscfd)
GLGR	49
TJGS	197
Total TNB	246
CBPS	53
KLPP	99
NPRI	141
PGLA	97
PLPS	64
SGB3	69
SGRI	80
YPKA	32
Total IPP	636
Total Gas	882
Total Gas Required	882

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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																										
Total Co-Gen		31	31	30	31	30	29	31	30	30	30	28	30	31	29	31	31	31	30	30	31	30	29	29	29	29	30	30	30	29	29	29	29	32	32	31	29	30	26	31	30	30	29	30	30	30					
Total Gen		14081	13548	13204	12953	12673	12606	12355	12255	12184	12096	12126	12126	12320	12611	12467	12287	12755	13693	14353	14716	15016	15343	15608	15793	15378	15130	14945	15258	15463	15608	15657	15474	15583	15506	15211	15038	14577	14501	14581	15291	15665	15593	15443	15337	14853	14698	14345	13987		
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		31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	30	30	30	30	31	31	30	30	30	30	31	31	30	30	31	31	31	31	30	30	30	31	31	31	31	31	31	30	30	31	31	31	31	31	
TIE-PLTG		15	-46	-20	4	-17	11	-8	26	21	38	66	36	25	93	1	8	8	12	-38	-75	-77	-83	-61	-43	-89	-7	-18	-42	-65	-54	-5	-53	-6	-44	44	-57	-20	-22	22	-25	13	-28	-61	-20	3	-23	-47	-79		
Interconnection		46	-15	11	35	14	42	23	57	51	68	97	67	56	124	31	38	39	43	-8	-45	-47	-53	-31	-13	-59	24	12	-12	-34	-24	25	-23	25	-13	74	-27	10	8	52	6	43	2	-31	11	33	8	-16	-49		
System Total		14035	13563	13193	12918	12659	12564	12332	12198	12133	12028	12029	12059	12264	12487	12436	12249	12716	13650	14361	14761	15063	15396	15639	15806	15437	15106	14933	15270	15497	15632	15632	15497	15558	15519	15137	15065	14567	14493	14529	15285	15622	15591	15474	15326	14820	14690	14361	14036		
SRev ST-Coal		517	529	572	586	572	590	588	589	597	587	574	588	578	596	597	889	1017	796	826	223	176	502	224	179	435	393	192	347	438	162	302	160	161	358	404	526	159	164	170	493	158	232	162	153	163	153	168	246		
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		1340	1649	1931	1794	1781	1832	2076	2156	2213	2285	2269	2253	2139	1837	1912	1961	1601	886	637	927	740	555	711	581	801	1093	1435	614	394	562	489	230	344	219	522	580	547	597	528	426	436	843	844	746	1211	912	1105	1048		
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		-1	-1	0	-1	0	1	-1	0	0	0	2	0	-1	1	-1	-1	-1	0	0	-1	0	1	1	1	0	1	1	0	0	0	1	-1	1	1	1	-2	-2	-1	1	0	4	-1	0	0	1	0	0	0		
Syncon		1248	1248	1097	1248	1248	1248	1248	1097	1248	1248	1097	1097	1248	1248	1248	1097	1248	928	554	554	554	554	554	554	554	554	928	928	928	802	802	525	525	374	500	1079	1079	1079	741	741	928	892	892	928	1097	1097	1097	1097		
Hydro		131	178	294	185	195	195	204	217	373	252	251	250	337	323	190	131	129	126	232	92	395	400	397	387	395	392	436	389	350	346	349	250	443	323	524	519	151	71	77	297	291	198	68	70	78	127	124	73		
S.Reserve Total		3235	3603	3894	3812	3796	3866	4115	4210	4280	4372	4344	4339	4150	3854	3946	4228	3994	3056	2792	2489	2239	2012	1887	1702	2185	2433	2618	2278	2110	1998	1943	1441	1474	1426	1825	2123	1934	1910	1855	1957	1630	2200	1966	1861	2381	2289	2494	2464		