

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,708 MW
Hydro	2,175 MW
Distillate	0 MW
Total TNB	4,883 MW
Total IPP	14,789 MW
Total Co-Gen	0 MW
Total System	20,236 MW

Generation Mix

Type	MWh	Percentage
Gas	41,782	12.86 %
Hydro	13,629	4.19 %
Total TNB	55,411	17.05 %
ST-Coal	186,784	57.48 %
Gas	80,254	24.70 %
Total IPP	267,038	82.18 %
Co-Gen	1,664	0.51 %
Total Co-Gen	1,664	0.51 %
Total Generation	324,113	99.74 %
PLTG	-153	-0.05 %
HVDC	-694	-0.21 %
Interconnection	-847	-0.26 %
Net Energy	324,960	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:	20:30:00 Hour
Total Set On Bus	16,333 MW
TNB Generation	2,589 MW
IPP Generation	12,053 MW
Spinning Reserve	1,627 MW
Maximum Demand	14,727 MW
Net Energy	324,960 MWH
Load Factor	91.94 %

Fuel Cost

Total Cost:	51,158,904.20 RM
Cost per Unit	16.48 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	396
Hydro	295
Syncon	981
Thermal	129
Total	1,801

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	51
PAKA	141
PGPS	31
TJGS	99
Total TNB	322
CBPS	52
KLPP	85
NPRI	146
PGLA	100
PLPS	53
SGRI	151
Total IPP	587
Total Gas	909
Total Gas Required	909

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	14067	13467	12874	12527	12144	11942	12081	11902	11679	12855	13764	14298	14367	14120	14471	14553	14444	14122	13555	13800	14596	14583	14293	14058

Daily MW Generation on Saturday

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																									
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-29	-30	-30	-28	-30	-28	-28	-29	-29	-29	-29	-28	-28	-28	-30	-28	-30	-28	-31											
TIE-PLTG		-5	6	-18	2	-1	0	-10	-14	24	14	3	-18	-14	10	43	39	0	3	-21	-24	-56	-63	-46	-58	-3	-27	-38	-85	-73	-9	-50	43	22	31	-4	49	21	33	14	12	8	7	4	-56	29	4	0	-37	
Interconnection		-34	-23	-47	-27	-30	-29	-39	-43	-4	-14	-26	-47	-42	-19	14	10	-28	-26	-49	-53	-86	-93	-75	-88	-32	-56	-66	-114	-102	-39	-78	13	-6	3	-34	19	-8	4	-16	-16	-20	-21	-24	-86	1	-26	-28	-68	
System Total		14067	13733	13467	13079	12874	12660	12527	12343	12144	12173	11942	12141	12081	12033	11902	11610	11679	12334	12855	13373	13764	14131	14298	14509	14367	14222	14120	14381	14471	14447	14553	14461	14444	14283	14122	13733	13555	13457	13800	14492	14596	14727	14583	14527	14293	14317	14058	13880	
SRev ST-Coal		118	101	172	170	165	160	157	150	164	176	115	134	172	163	164	105	119	110	114	119	152	148	155	164	162	103	96	97	104	186	171	126	128	124	126	118	122	118	121	118	122	110	101	112	128	124	121	122	
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
SRev CCGT-Gas		996	966	1147	1459	1515	1435	1433	1630	1799	1667	1879	1805	1828	1826	1905	2096	2060	1492	979	463	367	303	434	387	540	468	497	392	249	305	218	183	210	369	551	802	1003	1093	871	249	385	270	392	382	502	335	707	437	
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		-25	-27	-27	-26	-23	-26	-28	-26	-28	-29	-29	-28	-28	-30	-28	-29	-29	-28	-25	-25	-23	-18	-16	-19	-17	-15	-17	-13	-13	-13	-14	-16	-12	-14	-16	-15	-15	-15	-16	-16	-17	-16	-17	-18	-22	-25	-26	-26	
Syncon		374	374	374	374	374	610	996	996	996	1248	1248	1349	1450	1450	1450	1450	1349	1248	1248	1248	1248	1097	946	795	694	694	1227	1248	946	946	862	950	950	950	950	1101	1353	1353	1353	1252	1252	763	849	849	1187	1187	1187	813	1000
Hydro		326	321	304	341	495	561	127	120	170	60	156	100	61	100	115	125	117	137	78	75	196	254	276	119	374	138	104	396	431	406	439	429	432	431	296	139	139	139	137	70	461	414	449	212	227	201	222	279	
S.Reserve Total		1794	1740	1975	2323	2531	2745	2690	2875	3106	3127	3374	3365	3488	3514	3611	3752	3621	2964	2394	1880	1789	1633	1644	1345	1753	1921	1928	1818	1717	1746	1764	1672	1708	1860	2058	2397	2602	2688	2365	1673	1714	1627	1774	1875	2022	1822	1837	1812	