

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,438 MW
Distillate	0 MW
Total TNB	5,240 MW
Total IPP	15,505 MW
Total Co-Gen	55 MW
Total System	21,372 MW

Generation Mix

Type	MWh	Percentage
Gas	40,879	11.45 %
Hydro	12,403	3.47 %
Total TNB	53,282	14.92 %
ST-Coal	185,559	51.95 %
Gas	116,292	32.56 %
Total IPP	301,851	84.51 %
Co-Gen	1,405	0.39 %
Total Co-Gen	1,405	0.39 %
Total Generation	356,538	99.82 %
PLTG	71	0.02 %
HVDC	-697	-0.20 %
Interconnection	-626	-0.18 %
Net Energy	357,164	100.00 %

Maximum Demand Record

Date: 10/23/2017	17,790 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	18,247 MW
TNB Generation	3,304 MW
IPP Generation	13,437 MW
Spinning Reserve	1,451 MW
Maximum Demand	16,855 MW
Net Energy	357,164 MWH
Load Factor	88.29 %

Fuel Cost

Total Cost:	64,905,019.85 RM
Cost per Unit	18.86 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	354
Hydro	505
Syncon	681
Thermal	52
Total	1,592

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

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	14427	13795	13210	12802	12649	12520	12690	12772	13096	14838	15642	16230	16165	15838	16483	16820	16826	16583	15421	15191	16232	16065	15435	14740

Gas Usage

Station	(mmscfd)
GLGR	52
PGPS	34
TJGS	209
Total TNB	295
CBPS	54
KLPP	95
MPSS	40
NPRI	161
PGLA	108
SGB3	33
SGRI	174
SKSP	51
YPKA	74
Total IPP	789
Total Gas	1,084

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 1,084

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 Hydro		198	202	202	198	199	201	199	198	220	221	202	220	196	203	201	192	216	280	283	394	562	655	958	1023	850	677	621	843	1021	1197	1288	1380	1318	1387	1112	412	346	281	211	424	414	408	375	472	442	467	461	468				
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	0	
PCUF	CUFK	30	29	29	29	31	30	31	32	31	32	32	32	32	32	31	31	31	29	30	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	29	29	28	28	29	29	30	30	30	30	29			
PCUF	CUFK	30	30	30	29	29	29	28	30	29	29	28	28	29	30	29	30	30	29	30	30	30	29	28	29	28	28	28	26	29	28	29	27	28	28	29	30	29	29	27	29	29	30	30	28	28	29	30					
Total Co-Gen		60	59	59	58	60	59	59	62	60	61	60	60	61	62	61	62	62	61	60	61	59	60	58	57	56	57	56	56	56	54	57	56	57	55	56	56	57	59	58	57	55	58	58	60	60	58	59	59				
Total Gen		14462	14067	13803	13446	13183	13066	12814	13739	12638	12564	12479	12570	12668	12921	12742	12672	13071	14129	14813	15300	15582	15996	16126	16356	16126	15991	15771	16107	16412	16701	16782	16774	16807	16796	16521	15839	15438	15156	15159	16003	16224	16128	16037	15833	15451	15307	14721	14807				
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		
TIE-HVDC		-28	-29	-29	-29	-29	-29	-29	-28	-28	-30	-30	-29	-29	-29	-29	-29	-29	-29	-28	-30	-28	-29	-29	-29	-28	-30	-28	-28	-31	-29	-28	-29	-29	-30	-28	-31	-29	-30	-30	-30	-30	-30	-30	-29	-29	-29	-29	-29	-29			
TIE-PLTG		63	33	36	50	2	46	41	8	18	6	-13	48	8	78	-1	-1	5	-6	4	41	-31	-43	-75	-31	-11	19	-39	-42	-42	-28	-8	5	9	-29	-32	-14	46	0	-2	-41	23	9	1	-2	46	-17	10	-7				
Interconnection		35	4	8	21	-27	18	12	-21	-11	-22	-41	18	-22	49	-30	-31	-25	-35	-25	12	-60	-72	-104	-59	-39	-11	-67	-71	-71	-57	-38	-23	-19	-59	-62	-42	17	-28	-32	-69	-8	-20	-28	-31	16	-47	-19	-36				
System Total		14427	14063	13795	13425	13210	13048	12802	12760	12649	12586	12520	12552	12690	12872	12772	12703	13096	14164	14838	15289	15642	16068	16230	16415	16165	16002	15838	16178	16483	16758	16820	16797	16826	16855	16583	15881	15421	15184	15191	16072	16232	16148	16065	15964	15435	15354	14740	14843				
SRev ST-Coal		78	150	58	48	46	37	46	48	53	50	51	47	37	59	-21	35	12	-135	38	26	33	13	29	17	32	23	51	58	17	25	17	49	44	46	47	213	89	117	131	119	102	113	111	116	117	101	103	110				
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	
SRev CCGT-Gas		771	881	892	1254	1522	1569	1810	1885	2001	2080	2144	2075	1964	1697	1775	1779	1427	804	630	670	558	260	121	211	482	454	524	403	286	243	280	367	278	354	354	640	1100	1264	1060	440	224	306	322	308	480	628	1067	785				
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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncon		1351	1351	1351	1351	1351	1351	1351	1200	1200	1351	1200	1351	1351	1351	1351	1200	1164	1164	1079	892	741	403	403	741	928	928	439	439	252	252	252	252	553	540	963	1114	1200	1200	1099	948	948	1049	1049	1200	1200	1200	1200	1200				
Hydro		134	130	130	134	133	131	133	134	263	262	130	263	136	129	131	140	267	239	236	210	229	384	569	587	497	333	314	656	728	803	712	710	777	698	636	488	403	299	245	208	369	375	457	360	266	241	247	254				
S.Reserve Total		2334	2512	2431	2787	3052	3088	3340	3418	3517	3592	3676	3585	3488	3236	3234	3385	2906	2072	2068	1985	1712	1398	1122	1218	1752	1738	1817	1556	1470	1323	1261	1378	1351	1451	1577	2304	2706	2880	2636	1866	1643	1742	1939	1833	2063	2170	2617	2349				