

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,668 MW
Hydro	2,375 MW
Distillate	0 MW
Total TNB	5,043 MW
Total IPP	14,139 MW
Total Co-Gen	57 MW
Total System	19,803 MW

Generation Mix

Type	MWh	Percentage
Gas	39,165	12.48 %
Hydro	15,958	5.09 %
Total TNB	55,123	17.57 %
ST-Coal	182,895	58.30 %
Gas	73,302	23.37 %
Total IPP	256,197	81.67 %
Co-Gen	1,752	0.56 %
Total Co-Gen	1,752	0.56 %
Total Generation	313,072	99.80 %
PLTG	68	0.02 %
HVDC	-700	-0.22 %
Interconnection	-632	-0.20 %
Net Energy	313,704	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:	21:00:00 Hour
Total Set On Bus	16,271 MW
TNB Generation	2,898 MW
IPP Generation	11,957 MW
Spinning Reserve	1,342 MW
Maximum Demand	14,920 MW
Net Energy	313,704 MWH
Load Factor	87.61 %

Fuel Cost

Total Cost:	53,038,753.99 RM
Cost per Unit	17.85 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	245
Hydro	232
Syncon	775
Thermal	162
Total	1,414

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
GLGR	54
TJGS	221
Total TNB	275
KLPP	97
NPRI	80
PGLA	5
PLPS	92
PTEK	1
SGB3	87
SGRI	11
SKSP	52
YPKA	61
Total IPP	486
Total Gas	761
Total Gas Required	761

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	13704	13030	12699	12240	12056	11803	11768	11407	11086	11828	12274	12976	13169	13201	13426	13617	13706	13470	13147	13902	14735	14920	14640	14326

Daily MW Generation on Sunday

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	-28	-28	-28	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-28	-30	-29																										
TIE-PLTG		10	8	-3	-33	-6	-18	6	-25	-13	-20	40	4	-17	52	20	17	-35	1	-23	-5	51	-9	7	10	-6	24	8	-9	-33	-7	-6	13	21	43	2	3	27	-4	47	-14	-16	-6	39	27	-13	-15	38	-44		
Interconnection		-19	-21	-32	-62	-35	-47	-22	-53	-42	-48	10	-26	-47	22	-9	-12	-64	-28	-52	-34	21	-37	-22	-19	-34	-4	-21	-38	-62	-37	-35	-16	-8	14	-28	-27	-3	-34	19	-45	-47	-36	9	-3	-41	-45	9	-73		
System Total		13704	13337	13030	12854	12699	12515	12240	12020	12056	11907	11803	11784	11768	11822	11407	11115	11086	11496	11828	12094	12274	12668	12976	13088	13169	13167	13201	13414	13426	13677	13617	13719	13706	13687	13470	13299	13147	13163	13902	14867	14735	14902	14920	14837	14640	14553	14326	14043		
SRev ST-Coal		192	178	172	144	228	248	265	248	254	258	157	151	148	141	150	120	5	51	59	163	137	163	144	180	54	63	80	55	74	34	178	175	175	195	178	189	183	205	265	264	247	249	263	328	303	272	287	255		
SRev OCGT-Gas		-9	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		231	295	407	385	291	360	448	722	668	847	880	911	879	820	1236	1341	1448	1134	964	743	400	331	232	315	284	421	360	132	141	154	173	154	283	347	396	506	715	862	276	204	342	181	220	217	323	212	295	353		
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		-29	-29	-21	-22	-18	-21	-20	-22	-20	-21	-18	-20	-20	-20	-21	-23	-20	-20	-18	-17	-19	-16	-18	-16	-16	-14	-17	-18	-18	-18	-17	-16	-18	-16	-17	-17	-16	-17	-19	-15	-18	-19	-20	-17	5	13	9	12	11	
Syncon		500	500	500	886	886	1037	1125	1125	1125	974	974	1125	1125	1125	974	974	848	848	848	999	848	999	1125	974	510	848	697	848	848	848	848	848	697	848	848	573	422	609	609	609	609	609	760	760	573					
Hydro		631	878	787	508	511	254	101	95	94	224	226	107	131	94	266	287	127	118	131	223	256	244	108	93	91	281	155	89	225	440	217	382	272	265	400	353	461	341	368	254	429	266	267	210	187	75	94	481		
S.Reserve Total		1516	1885	1845	1901	1898	1878	1919	2168	2121	2282	2219	2274	2263	2160	2606	2701	2682	2408	2259	2085	1750	1567	1316	1418	1412	1597	1580	1384	1396	1120	1398	1391	1562	1637	1806	1879	2040	2237	1742	1277	1421	1285	1342	1369	1435	1353	1448	1673		