

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,372 MW
Distillate	0 MW
Total TNB	5,174 MW
Total IPP	15,898 MW
Total Co-Gen	29 MW
Total System	21,673 MW

Generation Mix

Type	MWh	Percentage
Gas	42,114	11.77 %
Hydro	11,439	3.20 %
Total TNB	53,553	14.97 %
ST-Coal	219,489	61.35 %
Gas	83,414	23.32 %
Total IPP	302,903	84.67 %
Co-Gen	571	0.16 %
Total Co-Gen	571	0.16 %
Total Generation	357,027	99.80 %
PLTG	-112	-0.03 %
HVDC	-609	-0.17 %
Interconnection	-721	-0.20 %
Net Energy	357,748	100.00 %

Maximum Demand Record

Date: 4/12/2018	17,997 MW
Date: 4/12/2018	380,797 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	18,451 MW
TNB Generation	3,106 MW
IPP Generation	13,952 MW
Spinning Reserve	1,361 MW
Maximum Demand	17,120 MW
Net Energy	357,748 MWH
Load Factor	87.07 %

Fuel Cost

Total Cost:	60,506,496.31 RM
Cost per Unit	17.51 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	317
Hydro	419
Syncon	723
Thermal	179
Total	1,638

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	52
PGPS	30
TJGS	220
Total TNB	301
CBPS	55
KLPP	70
PGLA	55
PKLG	4
PLPS	92
PTEK	6
SGRI	144
SKSP	55
YPKA	86
Total IPP	568
Total Gas	869

Total Gas Required 869

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	13962	13275	12805	12385	12316	12354	12441	12412	13187	15018	15800	16445	16361	16130	16787	17064	17120	16448	15758	15477	16183	16272	15964	15506

Daily MW Generation on Monday

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																										
PCUF	CUFG	15	1	1	0	-2	-2	-2	-2	-2	-3	-2	-2	-3	-1	-1	-1	-3	-3	-3	-3	-4	-4	-4	-4	-5	-6	-5	-4	-4	2	3	3	3	2	2	2	3	2	2	3	2	3	2	-1	-3	-6	-6	-6	-6	
PCUF	CUFK	28	27	28	29	30	28	28	28	29	30	29	29	28	28	28	30	28	28	29	29	27	29	27	29	27	28	29	28	29	29	28	29	28	26	27	29	28	30	29	1	3	0	1	2	7	17	29			
Total Co-Gen		43	28	29	29	28	26	26	26	27	28	26	27	26	25	27	29	26	26	24	25	23	25	23	23	23	23	25	25	31	31	32	31	28	29	31	31	32	31	32	31	4	5	-1	-2	-4	1	11	23		
Total Gen		14017	13546	13301	12982	12758	12542	12344	12200	12244	12280	12299	12302	12424	12526	12425	12489	13218	14156	14957	15370	15771	16070	16382	16483	16298	16150	16102	16340	16773	16988	16990	16991	17090	16967	16435	16035	15751	15470	15444	15728	16067	16352	16245	16091	15950	15702	15474	15241		
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		30	30	30	-29	-29	-29	-29	-30	-30	-29	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		25	50	-5	33	-18	0	-12	34	-42	-24	2	12	-24	42	-1	60	-8	-32	12	0	-15	-33	-32	-34	-26	0	23	15	-8	-45	-27	-1	-27	16	37	22	27	-3	0	-87	1	1	-39	14	-55	-2	-26			
Interconnection		55	81	26	3	-47	-28	-41	4	-72	-55	-55	-27	-17	-53	13	-31	31	-36	-61	-17	-29	-44	-63	-61	-63	-55	-28	-6	-14	-37	-74	-56	-30	-57	-13	8	-7	-2	-33	-28	-116	-28	-27	-67	-14	-85	-32	-54		
System Total		13962	13465	13275	12979	12805	12570	12385	12196	12316	12335	12354	12329	12441	12579	12412	12520	13187	14192	15018	15387	15800	16114	16445	16544	16361	16205	16130	16346	16787	17025	17064	17047	17120	17024	16448	16027	15758	15472	15477	15756	16183	16380	16272	16158	15964	15787	15506	15295		
SRev ST-Coal		125	164	177	227	233	373	380	223	221	240	228	226	220	231	229	242	228	-32	238	184	181	176	173	172	174	180	178	180	179	205	174	181	174	172	170	168	176	161	173	178	149	184	176	174	183	187	170	168		
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	4	5	9	10	7	9	10	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		351	673	905	1143	1160	1218	1400	1456	1367	1270	1392	1405	1287	1167	1437	1456	969	665	430	518	312	276	354	305	468	365	423	436	266	299	341	368	282	212	277	375	451	739	757	625	326	158	263	267	261	476	473	421		
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		-14	1	0	0	1	3	3	3	2	1	3	2	3	4	2	0	2	4	3	3	5	4	6	4	6	6	6	6	4	4	-2	-2	-3	-2	1	0	-2	-2	-3	-2	25	24	30	31	33	28	18	6		
Syncon		822	843	944	944	1246	1246	1246	1225	1074	1225	1225	1225	1225	1225	1074	1225	1225	1074	1074	923	736	549	549	549	923	923	736	651	549	464	464	464	464	651	838	1074	1074	1074	1074	1074	887	887	822	923	923	1074	1074			
Hydro		400	404	404	395	142	135	149	150	274	139	148	135	139	146	149	244	151	147	355	292	401	493	485	498	540	411	403	431	355	429	425	442	435	471	455	426	287	295	292	384	346	382	386	402	387	421	295	258		
S.Reserve Total		1684	2110	2455	2734	2782	2975	3178	3057	2938	2875	2996	2993	2874	2773	3042	3016	2575	2009	2100	2071	1822	1685	1567	1528	1737	1885	1933	1793	1460	1495	1412	1460	1361	1327	1559	1811	1986	2267	2293	2259	1920	1635	1742	1696	1787	2035	2030	1927		