

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,364 MW
Distillate	0 MW
Total TNB	5,166 MW
Total IPP	16,000 MW
Total Co-Gen	29 MW
Total System	21,767 MW

Generation Mix

Type	MWh	Percentage
Gas	38,236	10.71 %
Hydro	11,604	3.25 %
Total TNB	49,840	13.96 %
ST-Coal	212,516	59.50 %
Gas	91,995	25.76 %
Total IPP	304,511	85.26 %
Co-Gen	1,958	0.55 %
Total Co-Gen	1,958	0.55 %
Total Generation	356,309	99.77 %
PLTG	-135	-0.04 %
HVDC	-699	-0.20 %
Interconnection	-834	-0.23 %
Net Energy	357,143	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:	15:00:00 Hour
Total Set On Bus	18,314 MW
TNB Generation	2,935 MW
IPP Generation	13,871 MW
Spinning Reserve	1,431 MW
Maximum Demand	16,847 MW
Net Energy	357,143 MWH
Load Factor	88.33 %

Fuel Cost

Total Cost:	60,125,412.92 RM
Cost per Unit	17.44 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	468
Hydro	603
Syncon	452
Thermal	100
Total	1,623

Time Weather Temperature

Afternoon	Rainy	33
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
GLGR	53
TJGS	213
Total TNB	266
CBPS	55
KLPP	71
NPRI	80
PGLA	57
PKLG	2
PLPS	91
PTEK	11
SGRI	123
SKSP	51
YPKA	76
Total IPP	616
Total Gas	882

Total Gas Required 882

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	14521	13821	13397	13037	12877	12981	12995	12646	13127	14885	15730	16454	16346	16032	16310	16847	16610	16020	15184	15155	15610	15776	15293	14939

Daily MW Generation on Friday

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	CUFK	39	39	41	40	41	40	40	40	41	41	40	40	40	40	39	42	40	40	39	39	39	40	39	39	40	37	39	39	40	40	38	39	39	39	39	41	39	40	39	40	41	39	40	41	39	42	41	39		
Total Co-Gen		85	85	88	86	85	87	87	86	87	86	87	88	88	86	88	86	88	86	85	84	87	85	84	84	83	74	76	72	74	80	77	76	75	73	76	81	76	76	79	76	77	76	78	80	77	81	81	77		
Total Gen		14526	14148	13759	13626	13324	13213	12986	12816	12813	12913	12944	12786	12947	12856	12579	12656	13110	14229	14822	15398	15661	16052	16308	16402	16348	16186	16020	16082	16304	16691	16883	16814	16594	16470	16035	15605	15174	15131	15140	15292	15545	15763	15712	15621	15280	15173	14877	14809		
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	-29	-29	-29	-29	-30	-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	-29	-29	-29
TIE-PLTG		35	-36	-33	-9	-44	-5	-21	-10	-35	-71	-7	-6	-19	25	-38	-43	12	3	-33	-15	-41	-13	-116	6	31	-10	17	43	22	52	65	29	13	48	45	0	19	6	15	50	-35	-18	-36	5	16	-92	-32	-7		
Interconnection		5	-66	-62	-38	-73	-34	-51	-40	-64	-100	-37	-36	-48	-5	-67	-72	-17	-26	-63	-45	-69	-41	-146	-23	2	-38	-12	14	-6	24	36	0	-16	18	15	-29	-10	-23	-15	22	-65	-49	-64	-23	-13	-122	-62	-36		
System Total		14521	14214	13821	13664	13397	13247	13037	12856	12877	13013	12981	12822	12995	12861	12646	12728	13127	14255	14885	15443	15730	16093	16454	16425	16346	16224	16032	16068	16310	16667	16847	16814	16610	16452	16020	15634	15184	15154	15155	15270	15610	15812	15776	15644	15293	15295	14939	14845		
SRev ST-Coal		137	373	361	78	130	147	175	170	300	155	181	155	146	156	166	454	462	413	299	109	129	166	117	131	134	123	131	130	57	63	103	58	111	51	58	114	163	128	117	136	55	40	108	63	62	80	19	-39		
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		1145	971	1110	1226	1275	1306	1308	1434	1303	1234	1184	1353	1184	1269	1541	1501	1257	613	432	572	435	357	344	510	456	476	517	521	503	491	579	417	493	386	592	380	412	465	460	572	508	350	301	378	483	428	497	417		
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		-56	-56	-59	-57	-56	-58	-58	-57	-58	-58	-57	-58	-59	-59	-57	-59	-57	-56	-55	-58	-56	-55	-55	-54	-45	-47	-43	-45	-51	-48	-47	-46	-44	-47	-52	-47	-47	-50	-47	-48	-47	-49	-51	-48	-52	-52	-48			
Syncon		1233	1233	1233	1233	1233	1082	1233	1233	1234	1233	1233	1082	1233	1041	1041	890	1041	1042	940	789	789	597	597	428	579	579	579	579	428	277	428	620	706	897	897	897	897	981	981	830	747	596	595	595	679	679	679	679		
Hydro		111	75	109	104	104	233	103	104	100	102	103	233	98	100	94	221	97	107	163	293	320	446	326	409	383	431	550	481	383	300	474	543	443	439	327	228	293	234	237	385	370	495	549	550	491	470	482	454		
S.Reserve Total		2570	2596	2754	2584	2686	2710	2761	2884	2879	2666	2644	2785	2602	2507	2785	3007	2800	2119	1778	1708	1615	1510	1329	1423	1498	1564	1730	1668	1560	1330	1431	1414	1634	1544	1880	1671	1818	1861	1845	1976	1732	1534	1604	1635	1767	1705	1725	1563		