

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,527 MW
Hydro	2,472 MW
Distillate	0 MW
Total TNB	4,999 MW
Total IPP	16,007 MW
Total Co-Gen	0 MW
Total System	21,578 MW

Generation Mix

Type	MWh	Percentage
Gas	36,989	10.20 %
Hydro	10,556	2.91 %
Total TNB	47,545	13.12 %
ST-Coal	212,575	58.65 %
Gas	100,357	27.69 %
Total IPP	312,932	86.34 %
Co-Gen	1,134	0.31 %
Total Co-Gen	1,134	0.31 %
Total Generation	361,611	99.77 %
PLTG	-152	-0.04 %
HVDC	-698	-0.19 %
Interconnection	-850	-0.23 %
Net Energy	362,461	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	18,587 MW
TNB Generation	3,068 MW
IPP Generation	14,200 MW
Spinning Reserve	1,271 MW
Maximum Demand	17,377 MW
Net Energy	362,461 MWH
Load Factor	86.91 %

Fuel Cost

Total Cost:	61,447,941.10 RM
Cost per Unit	17.50 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	308
Hydro	494
Syncon	718
Thermal	125
Total	1,645

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Rainy	29
Morning	Cloudy	26

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	14166	13427	13136	12674	12549	12438	12698	12763	13196	15044	15948	16688	16600	16395	16983	17333	17377	16768	15681	15408	16469	16406	15955	15467

Gas Usage

Station	(mmscfd)
GLGR	50
SRDG	8
TJGS	207
Total TNB	266
CBPS	51
KLPP	93
MPSS	30
NPRI	151
PGLA	106
PLPS	61
PTEK	5
SGRI	120
SKSP	49
YPKA	78
Total IPP	746
Total Gas	1,011

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required	1,011
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Daily MW Generation on Tuesday

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 Gen		14146	13899	13421	13298	13087	12867	12675	12512	12510	12345	12391	12444	12695	12959	12793	12672	13161	14290	14940	15538	15892	16393	16635	16784	16572	16405	16345	16701	16973	17275	17314	17306	17316	17202	16781	16287	15686	15381	15380	16210	16448	16477	16358	16268	15908	15620	15420	14921				
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	0	0
TIE-HVDC		-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	-29	-29	-29	-29	-29	-29	
TIE-PLTG		10	-4	24	-27	-20	35	30	-10	-10	-6	-18	-21	26	21	59	9	-6	-83	-75	-35	-27	-31	-24	-22	1	-15	-21	36	18	-57	11	6	-32	-11	42	14	35	2	1	-96	8	29	-18	-20	-17	-22	-18	25				
Interconnection		-20	-34	-6	-55	-49	6	1	-39	-39	-36	-47	-51	-3	-7	30	-20	-35	-111	-104	-64	-56	-60	-53	-51	-28	-44	-50	7	-10	-86	-19	-24	-61	-40	13	-15	5	-27	-28	-125	-21	-1	-48	-50	-47	-51	-47	-4				
System Total		14166	13933	13427	13353	13136	12861	12674	12551	12549	12381	12438	12495	12698	12966	12763	12692	13196	14401	15044	15602	15948	16453	16688	16835	16600	16449	16395	16694	16983	17361	17333	17330	17377	17242	16768	16302	15681	15408	15408	16335	16469	16478	16406	16318	15955	15671	15467	14925				
SRev ST-Coal		194	246	74	56	-1	-48	148	154	176	166	213	154	172	127	20	125	84	76	127	143	143	133	157	169	163	163	123	151	132	44	114	73	104	119	129	130	135	139	129	118	130	129	132	132	120	128	126	51				
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	4	11	36	3	6	4	4	2	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev CCGT-Gas		1466	1504	1688	1792	1863	2114	2242	2115	2060	2161	2050	1995	1804	1768	2129	2189	1737	1016	647	429	469	334	183	227	347	201	259	183	158	223	298	241	220	215	290	260	776	855	863	244	311	283	278	289	345	627	799	991				
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	0
SRev Co-Gen		-13	-11	-11	-12	-10	-9	-10	-13	-11	-11	-9	-12	-10	-12	-12	-14	-12	-13	-12	-12	-11	-10	-10	-11	-12	-10	-11	-9	-11	-15	-10	-11	-12	-13	-10	-10	-10	-11	-12	-14	-11	-10	-13	-11	-11	-12	-10	-11				
Syncon		1350	1350	1350	1350	1350	1350	1350	1350	1199	1350	1199	1350	1350	1350	1350	1350	1350	1350	1098	947	947	609	796	796	796	796	796	609	313	252	444	439	439	626	712	1014	1199	1199	897	483	483	796	670	1199	1199	1350	1350					
Hydro		158	160	156	153	148	163	159	151	280	150	282	148	147	147	157	153	157	151	158	151	346	366	351	585	497	683	686	481	520	539	646	578	516	621	627	680	420	258	269	598	692	691	502	555	271	270	147	154				
S.Reserve Total		3155	3249	3257	3339	3350	3570	3889	3757	3704	3816	3735	3635	3463	3380	3644	3803	3316	2580	2270	2061	2045	1770	1628	1579	1791	1833	1853	1606	1419	1140	1303	1331	1271	1385	1664	1833	2335	2440	2448	1843	1605	1576	1695	1635	1924	2212	2412	2535				