

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,393 MW
Hydro	2,336 MW
Distillate	0 MW
Total TNB	4,729 MW
Total IPP	13,453 MW
Total Co-Gen	54 MW
Total System	18,800 MW

Generation Mix

Type	MWh	Percentage
Gas	39,346	12.97 %
Hydro	17,593	5.80 %
Total TNB	56,939	18.77 %
ST-Coal	179,023	59.02 %
Gas	67,241	22.17 %
Total IPP	246,264	81.18 %
Co-Gen	351	0.12 %
Total Co-Gen	351	0.12 %
Total Generation	303,554	100.07 %
PLTG	-519	-0.17 %
HVDC	731	0.24 %
Interconnection	212	0.07 %
Net Energy	303,342	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:	20:30:00 Hour
Total Set On Bus	15,898 MW
TNB Generation	2,701 MW
IPP Generation	11,559 MW
Spinning Reserve	1,625 MW
Maximum Demand	14,259 MW
Net Energy	303,342 MWH
Load Factor	88.64 %

Fuel Cost

Total Cost:	50,828,924.38 RM
Cost per Unit	17.77 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	285
Hydro	401
Syncon	709
Thermal	161
Total	1,556

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	56
TJGS	219
Total TNB	276

KLPP	115
NPRI	77
PLPS	84
PTEK	4
SGB3	27
SGRI	76
SKSP	21
YPKA	36
Total IPP	440

Total Gas	716
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Total Gas Required	716
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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	13136	12530	12131	11825	11491	11282	11363	11182	10880	11559	12203	12777	12765	12876	13212	13240	13165	12887	12617	13662	14221	14206	14006	13592

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																										
SRev CCGT-Gas		150	93	120	244	332	426	381	481	674	534	614	676	736	446	694	1140	1095	772	412	332	312	233	167	299	314	272	373	352	231	408	292	244	409	365	397	540	1002	846	255	205	254	205	189	168	163	210	345	384		
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	-1	
SRev Co-Gen		50	49	50	47	47	47	47	47	46	48	42	46	48	46	44	48	44	46	48	21	23	21	25	43	40	42	43	41	40	41	41	42	41	46	43	44	41	43	40	40	44	40	41	43	43	43	40			
Syncon		489	1127	1127	1127	1127	1127	1127	1127	976	976	976	976	976	1127	1127	1127	1127	1127	976	611	611	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699
Hydro		206	17	160	128	60	94	75	87	95	246	217	238	221	210	148	156	92	103	115	189	289	417	460	326	529	541	430	379	407	398	349	396	430	518	517	458	463	468	407	169	262	316	352	349	340	242	152	59		
S.Reserve Total		1269	1650	1927	2017	2037	2159	2095	2206	2411	2268	2361	2486	2496	2190	2540	2976	2867	2249	1896	1899	1799	1458	1410	1454	1653	1615	1731	1670	1421	1579	1471	1436	1835	1798	2079	2126	2573	2419	1864	1463	1633	1625	1685	1640	1689	1640	1793	1847		