

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,011 MW
Distillate	0 MW
Total TNB	2,011 MW
Total IPP	17,774 MW
Total Co-Gen	0 MW
Total System	22,704 MW

Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	15,421 MW
TNB Generation	2,824 MW
IPP Generation	11,225 MW
Spinning Reserve	1,317 MW
Maximum Demand	14,089 MW
Net Energy	299,190 MWH
Load Factor	88.48 %

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	104
Total TNB	134
CBPS	53
NPRI	161
Total IPP	213
Total Gas	347
Total Gas Required	347

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Hydro	15,748	5.26 %
Gas	36,766	12.29 %
Total TNB	52,514	17.55 %
ST-Coal	181,735	60.74 %
LSS	2,879	0.96 %
Gas	61,626	20.60 %
Total IPP	246,240	82.30 %
Co-Gen	1,307	0.44 %
Total Co-Gen	1,307	0.44 %
Total Generation	300,061	100.29 %
PLTG	150	0.05 %
HVDC	721	0.24 %
Interconnection	871	0.29 %
Net Energy	299,190	100.00 %

Fuel Cost

Total Cost:	46,096,804.22 RM
Cost per Unit	15.36 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	182
Hydro	238
Syncon	625
Thermal	853
Total	1,898

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	25

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	13791	13157	12633	12213	11794	11476	11334	11170	10887	11401	11762	12016	12101	12222	12529	12577	12650	12543	12444	12917	14089	13934	13812	13645

Prepared By: -Select Name-

Checked By: -Select Name-

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(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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 LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Syncon		451	551	277	464	651	738	738	738	738	738	738	738	587	738	738	738	826	826	826	826	826	826	826	826	826	826	826	826	675	826	826	464	464	651	738	738	738	464	464	464	464	464	464	151	151	464	313	651	651	651	651	651
Hydro		300	169	331	220	130	99	174	104	55	280	86	253	351	224	257	248	256	131	132	141	133	127	132	92	261	129	84	221	239	134	255	119	253	200	293	268	242	247	471	346	451	416	522	239	263	164	203	182				
S.Reserve Total		1491	1566	1251	1402	1505	1626	1883	1857	1757	1952	1725	1926	2039	1938	2031	2167	2566	2342	2173	2211	2335	2471	2380	2312	2318	2156	1974	1749	1825	1855	2147	1930	2059	1569	1727	1796	1732	1618	1870	1269	1318	1582	1550	1570	1656	1671	1704	1684				