

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,163 MW
Distillate	0 MW
Total TNB	2,163 MW
Total IPP	17,784 MW
Total Co-Gen	0 MW
Total System	23,927 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)
GLGR	51
TJGS	183
Total TNB	233
CBPS	52
NPRI	160
SKSP	24
Total IPP	236
Total Gas	470
Total Gas Required	470

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	17,448 MW
TNB Generation	3,659 MW
IPP Generation	11,970 MW
Spinning Reserve	1,811 MW
Maximum Demand	15,662 MW
Net Energy	338,485 MWH
Load Factor	90.05 %

Generation Mix

Type	MWh	Percentage
Hydro	12,866	3.80 %
Gas	67,471	19.93 %
Total TNB	80,337	23.73 %
ST-Coal	194,550	57.48 %
LSS	3,579	1.06 %
Gas	59,982	17.72 %
Total IPP	258,111	76.25 %
Co-Gen	171	0.05 %
Total Co-Gen	171	0.05 %
Total Generation	338,619	100.04 %
PLTG	-590	-0.17 %
HVDC	724	0.21 %
Interconnection	134	0.04 %
Net Energy	338,485	100.00 %

Fuel Cost

Total Cost:	53,117,971.86 RM
Cost per Unit	15.52 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	675
Hydro	195
Syncon	617
Thermal	440
Total	1,927

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	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	14641	13941	13455	12965	12645	12401	12386	12438	12593	13994	14323	14647	14604	14560	15054	15478	15648	15340	14447	14240	15585	15577	15370	15302

Prepared By: -Select Name-

Checked By: -Select Name-

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(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Thursday

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 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							
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						
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						
Syncon		738	738	825	825	926	775	926	926	926	926	1027	876	1027	1027	1027	1027	825	825	825	825	825	825	825	825	674	825	825	825	825	825	825	464	464	464	651	651	464	651	651	651	500	277	464	464	464	464	464	651
Hydro		247	142	53	181	136	291	90	174	135	172	144	271	142	127	104	93	112	145	215	123	253	238	255	124	239	248	246	67	97	281	217	284	110	67	219	345	376	321	347	245	307	48	124	181	239	193	235	251
S.Reserve Total		1612	1724	1732	1918	1958	2184	2119	2216	2218	2258	2408	2324	2371	2330	2295	2454	2398	2009	2054	1891	2017	1893	1846	1871	1943	2106	2395	2144	1940	1635	1508	1954	2076	2175	2247	2649	2721	2586	2549	2110	1916	1804	1889	1927	2063	1983	2118	2341