

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,293 MW
Distillate	0 MW
Total TNB	2,293 MW
Total IPP	17,784 MW
Total Co-Gen	0 MW
Total System	24,057 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)
GLGR	36
TJGS	214
Total TNB	250
CBPS	53
NPRI	157
Total IPP	210
Total Gas	460
Total Gas Required	460

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	16,825 MW
TNB Generation	4,099 MW
IPP Generation	11,410 MW
Spinning Reserve	1,310 MW
Maximum Demand	15,498 MW
Net Energy	341,603 MWH
Load Factor	91.84 %

Generation Mix

Type	MWh	Percentage
Hydro	14,258	4.17 %
Gas	70,962	20.77 %
Total TNB	85,220	24.95 %
ST-Coal	199,356	58.36 %
LSS	2,886	0.84 %
Gas	54,255	15.88 %
Total IPP	256,497	75.09 %
Co-Gen	202	0.06 %
Total Co-Gen	202	0.06 %
Total Generation	341,919	100.09 %
PLTG	-403	-0.12 %
HVDC	719	0.21 %
Interconnection	316	0.09 %
Net Energy	341,603	100.00 %

Fuel Cost

Total Cost:	52,626,048.66 RM
Cost per Unit	15.38 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	150
Hydro	212
Syncon	642
Thermal	470
Total	1,474

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	14883	14205	13706	13154	12762	12510	12363	12350	12516	13702	14248	14576	14669	14690	15181	15454	15396	15126	14235	14150	15439	15462	15325	15226

Prepared By: -Select Name-

Checked By: -Select Name-

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(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Wednesday

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 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							
SRev CCGT-Gas		214	249	116	176	116	114	186	188	220	214	291	283	344	239	293	350	187	123	160	119	178	129	188	104	152	150	146	133	146	109	173	138	125	107	295	193	153	174	195	200	115	178	153	158	131	113	178	168
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	
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
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
Syncon		525	651	738	825	825	825	926	926	926	926	926	1027	1027	876	1027	825	825	825	825	825	825	825	825	825	825	825	825	825	825	464	313	464	464	464	464	738	738	738	738	651	464	464	651	651	738	738	464	587
Hydro		264	201	97	131	112	208	215	181	182	180	195	196	204	153	162	298	129	41	274	100	88	77	87	86	139	120	130	87	119	236	418	372	300	283	358	180	162	317	214	220	195	322	254	181	143	143	223	366
S.Reserve Total		1453	1586	1518	1751	1806	1942	2042	2100	2142	2130	2224	2225	2295	2231	2296	2336	2154	1801	1969	1747	1735	1641	1673	1551	1664	1700	1717	1640	1632	1306	1289	1315	1247	1204	1474	1530	1471	1736	1654	1433	1142	1311	1418	1340	1365	1347	1229	1476