

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,318 MW
Distillate	0 MW
Total TNB	2,318 MW
Total IPP	17,484 MW
Total Co-Gen	0 MW
Total System	22,650 MW

Generation Mix

Type	MWh	Percentage
Hydro	14,196	4.48 %
Gas	33,315	10.51 %
Total TNB	47,511	14.99 %
ST-Coal	191,930	60.57 %
LSS	2,051	0.65 %
Gas	74,561	23.53 %
Total IPP	268,542	84.75 %
Co-Gen	664	0.21 %
Total Co-Gen	664	0.21 %
Total Generation	316,717	99.95 %
PLTG	-825	-0.26 %
HVDC	676	0.21 %
Interconnection	-149	-0.05 %
Net Energy	316,866	100.00 %

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:	14:30:00 Hour
Total Set On Bus	16,430 MW
TNB Generation	1,992 MW
IPP Generation	12,516 MW
Spinning Reserve	1,890 MW
Maximum Demand	14,610 MW
Net Energy	316,866 MWH
Load Factor	90.37 %

Fuel Cost

Total Cost:	49,649,437.30 RM
Cost per Unit	15.67 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	130
Hydro	215
Syncon	780
Thermal	889
Total	2,014

Time Weather Temperature

Afternoon	Rainy	31
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	92
Total TNB	122
CBPS	49
NPRI	164
PGLA	3
PLPS	89
Total IPP	304
Total Gas	426
Total Gas Required	426

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	13002	12422	12092	11709	11530	11368	11493	11674	11994	13368	14014	14461	14394	14283	14555	14499	14380	14056	13516	13589	14035	13654	13336	13203

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																										
System Total		13002	12694	12422	12212	12092	11887	11709	11645	11530	11448	11368	11441	11493	11590	11674	11665	11994	12829	13368	13785	14014	14265	14461	14497	14394	14344	14283	14530	14555	14610	14499	14441	14380	14311	14056	13757	13516	13444	13589	14075	14035	13827	13654	13510	13336	13345	13203	12889		
SRev ST-Coal		732	745	888	881	857	886	874	890	952	952	949	953	951	952	950	953	951	951	939	912	904	874	835	833	757	841	831	836	834	817	853	858	857	951	955	948	956	949	942	888	815	936	981	991	1002	1002	1002	1003		
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	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		923	952	904	758	772	907	1053	1062	1105	1107	1074	1064	1043	816	825	800	611	117	69	64	71	100	84	100	104	92	127	170	90	79	104	183	144	134	329	320	166	207	174	80	114	169	182	156	195	192	101	167		
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
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	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		638	638	638	638	638	588	739	739	926	926	926	775	926	926	926	926	825	738	825	825	825	674	825	825	738	738	738	738	738	738	738	738	738	651	738	825	674	825	825	825	825	825	825	825	738	738	738			
Hydro		230	273	258	206	311	431	335	274	121	126	146	242	105	172	147	138	117	118	113	108	67	235	118	112	147	242	199	244	255	233	280	170	172	179	239	186	208	222	352	145	291	255	292	250	290	281	169	278		
S.Reserve Total		2523	2608	2688	2483	2578	2812	3001	2965	3104	3111	3095	3034	3025	2866	2848	2817	2504	1924	1946	1909	1867	1907	1886	1894	1770	1937	1919	2012	1941	1891	1999	1973	1935	2026	2285	2129	2092	2227	2166	1962	2069	2185	2280	2222	2312	2213	2010	2186		