

Daily System Generation Summary on Sunday

Sunday, January 9, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,538 MW
Distillate	0 MW
Total TNB	2,538 MW
Total IPP	17,062 MW
Total Co-Gen	0 MW
Total System	23,163 MW

Generation Mix

Type	MWh	Percentage
Hydro	23,219	7.06 %
Gas	43,727	13.30 %
Total TNB	66,946	20.37 %
ST-Coal	182,592	55.55 %
LSS	3,341	1.02 %
Gas	74,784	22.75 %
Total IPP	260,717	79.32 %
Co-Gen	1,291	0.39 %
Total Co-Gen	1,291	0.39 %
Total Generation	328,954	100.08 %
PLTG	741	0.23 %
HVDC	-492	-0.15 %
Interconnection	249	0.08 %
Net Energy	328,705	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:	21:00:00 Hour
Total Set On Bus	17,315 MW
TNB Generation	3,467 MW
IPP Generation	12,161 MW
Spinning Reserve	1,634 MW
Maximum Demand	15,664 MW
Net Energy	328,705 MWH
Load Factor	87.44 %

Fuel Cost

Total Cost:	75,328,403.98 RM
Cost per Unit	22.90 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	626
Hydro	641
Syncon	371
Thermal	735
Total	2,373

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	28
TJGS	108
Total TNB	136
CBPS	54
NPRI	152
PGLA	108
Total IPP	315
Total Gas	451
Total Gas Required	451

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	14646	13989	13620	13148	12749	12675	12793	12253	11766	12493	12815	13282	13289	13659	13795	14026	14083	13969	13675	13932	15595	15664	15479	15266

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, February 3, 2022 5:08:41 PM

(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																									
TIE-HVDC		-28	-28	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-30	-30	-29	-29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-28	-28				
TIE-PLTG		33	11	44	18	41	-4	31	24	18	21	58	-4	7	31	43	46	22	30	-17	9	3	26	-18	31	16	18	1	34	33	34	15	20	56	68	42	10	84	77	40	80	78	48	46	44	60	30	16	26	
Interconnection		5	-17	14	-12	12	-33	1	-6	-11	-7	29	-34	-22	2	15	18	-8	0	-46	-19	3	26	-18	31	16	18	1	34	33	34	15	20	56	68	13	-19	54	48	11	51	51	21	17	15	31	1	-12	-3	
System Total		14646	14307	13989	13818	13620	13362	13148	13102	12749	12801	12675	12769	12793	12373	12253	11865	11766	12170	12493	12407	12815	13164	13282	13284	13289	13386	13659	13634	13795	13969	14026	14035	14083	14097	13969	13794	13675	13637	13932	15034	15595	15657	15664	15637	15479	15429	15266	14914	
SRev ST-Coal		430	475	733	739	734	734	738	739	788	791	785	793	792	789	784	939	949	948	913	893	876	878	878	879	876	844	848	879	884	880	884	879	880	877	879	878	877	880	881	794	423	418	419	419	481	534	537	580	
SRev CCGT-Gas		1014	1227	1220	1202	1218	1253	1351	1343	1349	1350	1374	1317	1325	1530	1540	1291	1218	1218	1198	1223	1229	1248	1222	1248	1225	1151	902	620	520	535	516	491	521	501	648	633	647	652	505	175	226	171	167	152	360	183	163	239	
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 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
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
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
Syncon		500	500	500	500	500	651	651	651	651	651	651	651	651	500	651	651	651	651	651	651	651	313	313	313	313	500	500	500	313	313	313	313	313	313	313	313	500	500	313	313	126	313	313	313	500	500	651	651	602
Hydro		427	494	481	559	583	417	499	163	238	170	247	170	126	240	198	408	384	92	51	152	147	696	687	647	668	560	555	558	640	650	626	571	652	621	603	551	527	691	636	808	704	730	735	592	683	267	317	353	
S.Reserve Total		2371	2696	2934	3000	3035	3055	3239	2896	3026	2962	3057	2931	2894	3059	3173	3289	3202	2909	2813	2919	2903	3135	3100	3087	3082	3055	2805	2557	2357	2378	2339	2254	2366	2312	2443	2562	2551	2536	2335	1903	1666	1632	1634	1663	2024	1635	1668	1774	