

Daily System Generation Summary on Sunday

Sunday, August 30, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,322 MW
Distillate	0 MW
Total TNB	2,322 MW
Total IPP	17,425 MW
Total Co-Gen	0 MW
Total System	22,216 MW

Generation Mix

Type	MWh	Percentage
Hydro	18,446	5.71 %
Gas	23,554	7.29 %
Total TNB	42,000	13.00 %
ST-Coal	238,005	73.67 %
LSS	2,565	0.79 %
Gas	41,091	12.72 %
Total IPP	281,661	87.18 %
Co-Gen	162	0.05 %
Total Co-Gen	162	0.05 %
Total Generation	323,823	100.23 %
PLTG	19	0.01 %
HVDC	714	0.22 %
Interconnection	733	0.23 %
Net Energy	323,090	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:	20:30:00 Hour
Total Set On Bus	16,175 MW
TNB Generation	2,746 MW
IPP Generation	12,228 MW
Spinning Reserve	1,194 MW
Maximum Demand	14,949 MW
Net Energy	323,090 MWH
Load Factor	90.05 %

Fuel Cost

Total Cost:	44,111,883.43 RM
Cost per Unit	13.64 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	438
Hydro	285
Syncon	367
Thermal	419
Total	1,509

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	143
Total TNB	173
CBPS	49
NPRI	131
PGLA	3
SKSP	8
Total IPP	191
Total Gas	364
Total Gas Required	364

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	14751	13935	13605	13058	12709	12466	12371	12126	11578	12185	12844	13270	13398	13406	13656	13920	13901	13698	13436	13730	14913	14885	14562	14326

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, September 4, 2020 10:37:52 AM

(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																								
System Total		14751	14434	13935	13869	13605	13338	13058	13032	12709	12612	12466	12423	12371	12412	12126	11690	11578	11889	12185	12422	12844	13074	13270	13355	13398	13326	13406	13595	13656	13899	13920	13955	13901	13907	13698	13468	13436	13343	13730	14708	14913	14949	14885	14786	14562	14478	14326	14298
SRev ST-Coal		147	348	452	470	494	515	493	504	504	506	491	496	494	490	490	559	633	484	496	452	458	446	442	465	445	446	463	433	448	444	452	461	463	446	464	454	454	459	487	341	363	359	340	368	341	350	373	
SRev CCGT-Gas		349	424	504	358	484	608	1025	1163	1225	877	1041	1085	1134	1064	1331	1352	1298	1246	1168	1400	1126	1019	835	848	697	688	655	543	449	466	347	275	355	265	459	658	620	695	470	78	105	165	243	104	248	365	193	107
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		
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 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	
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	
Syncon		890	977	977	851	977	977	977	977	977	977	826	826	977	977	927	1028	654	452	452	452	452	452	326	452	452	452	452	452	175	326	326	326	326	326	347	534	851	851	338	338	151	151	525	525	525	676	676	
Hydro		369	119	145	244	180	181	188	192	193	176	184	313	312	190	194	202	155	154	189	108	110	105	108	178	122	223	218	125	130	295	293	292	292	291	296	302	298	305	200	348	427	515	513	386	454	457	615	541
S.Reserve Total		1755	1868	2078	1923	2135	2281	2683	2836	2899	2536	2693	2720	2766	2721	2992	3040	3114	2538	2305	2412	2146	2022	1841	1794	1736	1808	1771	1583	1464	1384	1410	1345	1434	1345	1527	1771	1906	2305	1980	1251	1211	1194	1266	1355	1595	1688	1834	1697