

Daily System Generation Summary on Saturday

Saturday, August 22, 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	18,573 MW
Total Co-Gen	0 MW
Total System	23,592 MW

Generation Mix

Type	MWh	Percentage
Hydro	17,593	5.11 %
Gas	28,648	8.33 %
Total TNB	46,241	13.44 %
ST-Coal	254,287	73.92 %
LSS	2,238	0.65 %
Gas	41,555	12.08 %
Total IPP	298,080	86.66 %
Co-Gen	164	0.05 %
Total Co-Gen	164	0.05 %
Total Generation	344,485	100.15 %
PLTG	-217	-0.06 %
HVDC	721	0.21 %
Interconnection	504	0.15 %
Net Energy	343,981	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:	20:00:00 Hour
Total Set On Bus	17,002 MW
TNB Generation	2,954 MW
IPP Generation	12,857 MW
Spinning Reserve	1,184 MW
Maximum Demand	15,808 MW
Net Energy	343,981 MWH
Load Factor	90.67 %

Fuel Cost

Total Cost:	45,746,475.93 RM
Cost per Unit	13.28 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	460
Hydro	290
Syncon	798
Thermal	288
Total	1,836

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	28
TJGS	176
Total TNB	204
CBPS	46
NPRI	137
PGLA	4
Total IPP	186
Total Gas	390
Total Gas Required	390

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	15074	14453	13971	13483	13105	12866	12803	12730	12441	13555	14370	14762	14766	14542	14903	14948	15071	14820	14406	14642	15808	15679	15310	15081

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, September 4, 2020 10:34:21 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

		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		
JMAH	U001		693	693	693	693	694	692	693	693	691	693	695	691	692	692	692	693	656	692	692	692	692	692	692	689	693	690	692	691	693	691	693	692	692	691	691	692	692	692	692	694	692	693	686	692	693	693	692	692	
JMAH	U002		691	694	692	693	694	695	694	694	691	693	693	695	689	694	694	694	669	696	693	697	696	695	694	696	693	694	696	698	692	693	695	694	690	694	697	694	691	694	695	695	695	695	695	695	694	695	694	694	696
JMHE	U001		976	901	897	901	864	851	787	780	779	783	779	781	778	778	779	778	786	780	779	954	965	961	958	961	960	959	962	961	961	961	960	959	961	961	956	957	955	962	983	978	980	981	983	977	981	978	980	981	
JMHE	U002		976	903	896	901	866	851	786	778	781	783	780	780	779	781	781	776	785	779	781	963	962	963	958	963	960	961	961	959	960	958	960	960	959	963	959	956	956	961	986	978	980	981	984	980	980	980	980	978	981
JMJG	U001		680	682	678	675	676	677	678	671	673	678	670	677	678	678	676	677	649	593	597	598	597	598	597	598	661	675	678	677	674	676	673	676	680	677	678	674	676	677	680	667	682	672	672	673	671	682	675	673	681
JMJG	U002		683	666	672	672	685	668	671	673	674	667	677	666	680	672	669	672	678	679	663	677	672	669	674	671	671	672	672	671	679	672	670	676	670	673	676	665	671	670	673	673	676	667	673	676	672	673	679		
JMJG	U003		668	671	666	668	666	671	666	668	668	666	666	666	665	660	666	665	663	663	671	672	666	665	666	663	666	632	637	641	669	665	640	643	645	642	643	639	637	637	648	668	668	667	667	669	669	667	667	666	
JMJG	U004		977	963	904	903	899	857	833	785	786	787	785	785	785	785	783	785	785	783	864	947	963	964	959	958	955	957	957	956	957	958	955	955	958	954	956	954	956	967	979	979	978	976	977	979	980	981	977		
JMJG	U005		732	732	728	730	733	731	733	734	729	731	730	730	732	730	733	728	731	728	728	730	724	726	726	727	734	727	732	727	728	727	729	725	730	728	729	728	729	730	728	726	726	729	729	727	728	726	726	725	
PKLG	U003		277	276	277	276	277	273	277	275	278	276	276</																																						

Daily MW Generation on Saturday

[illegible]

Daily MW Generation on Saturday

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																									
Interconnection		47	-13	26	87	50	28	-32	15	49	29	61	28	70	67	53	58	18	30	69	35	14	40	31	65	55	33	34	29	131	21	7	-42	-26	-46	5	-25	5	7	-1	-7	17	-11	-63	1	-9	-11	-22	-1	
System Total		15074	14759	14453	14204	13971	13720	13483	13298	13105	13019	12866	12852	12803	12769	12730	12440	12441	13127	13555	13980	14370	14645	14762	14922	14766	14539	14542	14830	14903	15116	14948	15117	15071	15166	14820	14620	14406	14380	14642	15572	15808	15802	15679	15578	15310	15175	15081	14835	
SRev ST-Coal		173	346	496	495	478	499	503	478	506	509	486	504	500	514	502	498	577	554	560	418	325	313	316	323	284	301	294	288	252	264	293	297	292	282	287	317	319	292	201	198	187	178	198	205	181	191	185	189	
SRev CCGT-Gas		642	758	815	839	819	935	955	1011	1168	1265	1433	1373	1378	1442	1394	1534	1525	1094	674	868	777	513	435	324	580	658	662	578	420	322	421	344	371	352	516	643	756	775	684	231	248	246	281	154	333	454	488	654	
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		651	889	889	977	977	977	977	977	977	977	977	977	977	1078	1078	1078	826	826	977	977	977	977	977	977	977	977	977	977	977	826	826	826	826	639	826	675	826	826	826	552	338	338	338	525	525	525	613	851	
Hydro		497	192	239	195	194	154	147	151	141	149	141	139	135	137	144	191	192	399	306	179	172	171	153	149	153	290	290	122	121	258	262	256	256	326	241	423	288	286	263	421	412	457	580	546	670	675	427	246	
S.Reserve Total		2063	2285	2539	2606	2568	2665	2682	2717	2892	3000	3137	3093	3090	3170	3118	3301	3372	2873	2366	2442	2251	1974	1881	1773	1994	2226	2223	1965	1770	1670	1802	1723	1745	1599	1870	2058	2189	2179	1974	1402	1185	1219	1397	1430	1709	1845	1713	1940	