

Daily System Generation Summary on Sunday

Sunday, November 8, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,147 MW
Distillate	0 MW
Total TNB	2,147 MW
Total IPP	16,433 MW
Total Co-Gen	0 MW
Total System	21,277 MW

Generation Mix

Type	MWh	Percentage
Hydro	11,742	3.70 %
Gas	41,749	13.17 %
Total TNB	53,491	16.87 %
ST-Coal	217,812	68.69 %
LSS	2,435	0.77 %
Gas	43,936	13.86 %
Total IPP	264,183	83.32 %
Co-Gen	208	0.07 %
Total Co-Gen	208	0.07 %
Total Generation	317,882	100.26 %
PLTG	79	0.02 %
HVDC	730	0.23 %
Interconnection	809	0.26 %
Net Energy	317,073	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	16,826 MW
TNB Generation	3,229 MW
IPP Generation	11,872 MW
Spinning Reserve	1,715 MW
Maximum Demand	15,100 MW
Net Energy	317,073 MWH
Load Factor	87.49 %

Fuel Cost

Total Cost:	38,479,701.61 RM
Cost per Unit	12.09 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	477
Hydro	278
Syncon	944
Thermal	291
Total	1,990

Time	Weather	Temperature
Afternoon	Rainy	32
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	181
Total TNB	210
CBPS	46
NPRI	77
PGLA	55
PLPS	37
Total IPP	215
Total Gas	424
Total Gas Required	424

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	13995	13429	12934	12488	12112	11997	11997	11652	11267	11849	12446	12945	13100	13255	13461	13734	13844	13656	13462	14561	15100	14919	14522	14251

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, December 1, 2020 9:49:45 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																									
JMAH	U001	692	690	694	692	647	651	622	603	603	601	603	569	551	552	552	461	452	595	533	593	655	643	694	694	671	692	693	692	692	692	691	693	692	692	693	693	691	690	692	694	692	693							
JMAH	U002	695	694	694	694	654	652	623	604	605	603	603	541	556	550	552	451	454	584	533	595	655	644	693	696	673	697	695	695	694	697	691	692	694	694	692	700	694	693	689	692	695	692	684	695	695	693	696	691	
JMHE	U001	499	487	500	501	502	501	501	500	501	500	503	505	502	500	502	503	501	501	500	499	498	500	497	517	784	818	821	820	810	818	815	820	815	820	818	825	817	822	948	949	953	949	951	948	947	951	949	849	
JMHE	U002	498	503	502	502	503	501	502	499	503	501	502	503	503	500	501	503	502	500	502	500	499	500	500	497	500	500	499	494	499	498	501	494	501	500	503	501	500	500	501	503	500	501	500	500	502	499	503		
JMIG	U002	668	670	669	671	641	651	590	545	551	515	470	467	464	464	472	523	515	543	552	552	551	598	623	676	645	645	672	679	666	675	671	673	678	670	673	677	672	667	678	672	672	673	671	667	674	673	674	671	
JMIG	U003	663	666	668	665	635	644	587	538	545	503	463	460	458	464	461	458	461	490	491	496	513	591	617	663	639	640	662	658	666	664	662	660	662	662	661	665	659	664	662	662	667	666	656	663	663	665	663		
JMIG	U004	954	879	792	731	676	677	669	665	667	667	667	666	667	667	667	668	667	666	667	666	665	664	664	665	665	667	666	666	666	667	667	667	668	667	667	665	665	667	667	663	669	667	667	666	667	667			
JMIG	U005	800	796	796	750	700	702	701	700	700	701	701	702	702	700	700	702	701	702	701	700	702	700	701	701	700	701	703	702	700	700	700	700	700	700	698	699	701	700	701	701	793	801	797	801	792	795	797	796	792
PKLG	U003	283	282	281	281	277	279	278	279	278	280	282	279	277	280	280	273	208	256	249	264	282	283	284	283	275	279	274	275	272	278	280	280	277	281	281	284	280	282	282	281	282	280	280	279	279	282	282	283	
PKLG	U005	464	466	467	466	467	466	467	464	468	469	466	466	466	467	468	461	408	441	447	454	468	468	467	469	468	467	468	468	469	466	466	466	469	466	469	466	467	467	467	468	468	468	467	465	468	466	466		
PKLG	U006	451	449	448	448	447	447	449	449	449	449	447	449	447	449	445	451	447	449	450	446	447	449	447	447	445	447	451	447	448	448	447	449	448	447	418	340	355	409	447	451	449	449	447	449	445	447	449		
TBIN	U001	691	691	691	690	689	689	690	690	691	690	691	690	692	690	690	692	691	681	691	690	690	689	691	688	691	690	690	690	689	691	688	689	686	689	690	692	690	690	690	687	690	689	687	689	689	691	687	690	
TBIN	U002	690	691	692	690	692	690	693	692	692	694	693	691	689	694	691	692	696	685	693	690	689	687	690	691	691	691	691	689	691	690	689	692	687	691	691	691	690	693	691	689	693	690	690	691	693	689	691	689	
TBIN	U003	352	352	352	352	352	350	353	351	352	351	351	351	352	352	353	354	354	354	444	510	616	697	691	692	694	689	692	696	690	691	690	695	691	692	692	693	690	692	692	690	691	691	691	692	692	695	692	692	
TBIN	U004	961	902	901	904	847	783	782	782	784	782	780	782	782	783	783	784	782	781	782	780	781	783	782	783	795	824	821	822	823	823	823	823	823	824	823	822	823	823	901	952	953	952	953	953	952	954	953	912	
Total ST-Coal		9361	9218	9147	9037	8729	8683	8507	8361	8387	8308	8224	8119	8108	8111	8122	7968	7844	8225	8233	8441	8708	8895	9043	9164	9336	9447	9494	9500	9470	9498	9478	9500	9484	9499	9493	9493	9387	9404	9671	9837	9875	9857	9850	9833	9854	9861	9858	9710	
Total ST-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total 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
CBPS	BLK2	350	349	347	349	287	224	205	228	223	214	227	223	218	226	215	220	218	204	218	214	215	295	228	346	228	216	275	363	293	354	304	357	347	355	341	261	224	230	279	344	359	351	342	346	352	344	354	362	
GLGR	GT01	67	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
GLGR	GT02	68	96	95	95	95	95	96	95	96	95	96	95	95	95	95	96	95	96	96	96	96	96	96	96	95	95	95	95	95	95	95	96	95	95	96	95	95	95	96	95	95	95	95	95	96	96	96		
GLGR	ST1C	72	74	39	40	39	39	39	39	39	39	40	40	39	40	40	40	40	40	40	40	40	40	40	40	40	41	40	40	40	41	40	40	40	41	40	41	40	41	40	41	40	41	40	41	40	40	41		
NPRI	BLK1	509	515	507	514	511	502	497	517	517	501	521	519	509	516	505	452	503	464	513	506	511	506	523	508	508	512	516	521	505	508	503	518	503	509	495	350	515	523	522	501	518	505	500	504	514	506	515	525	
PCGP	PGRG	601	602	600	603	599	590	589	602	601	592	607	606	597	600	596	601	596	585	595	592	594	599	352	344	343	347	347	350	346	345	429	603	581	585	571	599	603	621	606	578	599	583	576	581	592	581	595	612	
PGLA	GT11	183	172	181	180	168	164	169	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PGLA	GT12	186	175	184	182	170	167	172	173	158	151	160	159	156	158	154	157	154	149	154	153	154	153	157	152	153	155	156	157	152	153	150	157	151	154	148	157	158	164	160	219	225	217	215	146	154	151	155	161	
PGLA	ST10	206	206	209	214	202	202	136	93	90	90	90	90	90	90	90	91	91	88	90	91	91	91	92	91	92	92	92	90	92	91	90	89	92	90	90	90	90	90	92	92	110	110	108	99	90	91	91	90	
PLPS	GT11	112	126	128	127	128	128	129	129	129	129	129	129	129	130	128	128	128	128	129	128	128	129	128	129	128	129	128	129	128	129	128	129	128	129	128	128	128	128	129	129	128	128	129	128	128	129	128		
PLPS	GT12	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PLPS	GT13	112	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PLPS	ST18	183	135	59	57	57	58	56	58	57	56	57	56	57	56	56	56	57	57	57	57	57	56	58	56	57	56	58	57	57	58	58	56	58	57	57	56	57	56	57	57	57	56	57	58	58	59	57	57	
SPGP	BLK1	200	195	295	316	698	691	692	689	280	699	288	679	691	341	342	339	338	333	339	330	422</																												

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																								
HTRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	63	124	124	124	-1	-1	-1	-1	-1	-1	62	61	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1								
KNRG	HY01	24	24	24	24	24	24	24	24	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	36	36	36	36	36	36	36	36	36	37								
KNRG	HY02	24	25	25	24	24	24	24	25	25	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	37	38	37	37	37	37	37	38	38	37								
KNRG	HY03	24	24	24	24	24	23	25	25	24	38	38	38	38	22	22	21	21	21	21	21	21	21	21	21	22	21	38	38	38	37	36	36	36	36	36	36	36	36	36	36	36							
KNYR	HY01	57	56	57	57	52	53	51	60	57	53	58	58	57	100	57	55	56	51	97	97	101	55	60	57	96	-1	-1	-1	-1	-1	57	56	-1	95	95	93	61	77	95	69	60	61	58	60	-1	-1	-1	-1
KNYR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	95	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
KNYR	HY04	59	57	59	59	54	56	53	97	59	54	91	81	59	96	58	54	56	51	57	56	61	56	62	57	69	61	60	85	90	57	56	72	69	57	53	59	71	99	81	56	56	56	54	56	59	53	59	101
LPIA	HY01	19	19	19	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	19	20	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	20	20				
LPIA	HY02	19	19	19	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	20	20				
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	5	5	5	5	4	4	4	4	5	5	4	4	4	4	4	4	7	7	5	5	5	5	5	7	7	6	6				
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
PGAU	HY02	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	20	19	21	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	21	20	21	20	21	20	21	21		
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	21	20	21	21	21	21	21	0		
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
SYPS	HY02	17	17	17	17	17	17	17	17	17	17	17	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
TMGR	HY02	46	46	47	47	47	43	40	83	47	44	76	73	45	85	44	46	46	40	45	42	31	30	87	30	30	31	32	32	30	30	28	33	86	33	28	34	35	36	86	86	83	86	86	0	0	0		
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1												

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-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0