

Daily System Generation Summary on Sunday

Sunday, February 6, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,448 MW
Distillate	0 MW
Total TNB	2,448 MW
Total IPP	14,332 MW
Total Co-Gen	0 MW
Total System	20,213 MW

Generation Mix

Type	MWh	Percentage
Hydro	11,906	3.72 %
Gas	47,203	14.74 %
Total TNB	59,109	18.46 %
ST-Coal	157,930	49.32 %
LSS	3,379	1.06 %
Gas	96,655	30.19 %
Total IPP	257,964	80.56 %
Co-Gen	1,252	0.39 %
Total Co-Gen	1,252	0.39 %
Total Generation	318,325	99.42 %
PLTG	-1,171	-0.37 %
HVDC	-701	-0.22 %
Interconnection	-1,872	-0.58 %
Net Energy	320,197	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	16,542 MW
TNB Generation	3,081 MW
IPP Generation	11,936 MW
Spinning Reserve	1,472 MW
Maximum Demand	15,152 MW
Net Energy	320,197 MWH
Load Factor	88.05 %

Fuel Cost

Total Cost:	73,886,315.97 RM
Cost per Unit	23.26 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	774
Hydro	207
Syncon	667
Thermal	320
Total	1,968

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	51
TJGS	169
Total TNB	219
CBPS	47
EMPP	211
NPRI	155
PCGP	82
PGLA	97
PLPS	41
SPGP	104
Total IPP	737
Total Gas	956
Total Gas Required	956

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	14274	13713	13203	12806	12452	12280	12186	12056	11688	12196	12720	13041	13119	13097	13480	13607	13742	13537	13341	13876	15077	15152	14805	14456

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, March 2, 2022 3:24:01 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																									
JMAH	U001	694	693	689	690	692	691	692	693	692	693	688	695	693	694	692	691	691	692	690	693	691	693	691	692	690	692	690	692	692	692	692	689																	
JMAH	U002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	97	198	199	220	221	224	316	352	406	574	602	605	604	604	605	700												
JMHE	U001	948	951	903	900	897	902	899	852	849	851	853	852	850	848	852	850	850	851	850	849	850	849	849	848	848	851	851	851	850	851	946	947	948	950	952	950	949	951	948										
JMHE	U002	950	952	901	900	901	899	899	850	847	850	852	850	853	850	850	850	850	851	850	849	850	849	851	848	850	851	851	850	852	850	956	947	950	950	952	948	950	950	949										
JMJG	U002	670	668	668	666	668	666	668	667	667	670	668	667	668	667	671	662	672	666	670	666	671	664	669	671	666	669	667	667	667	667	667	667	653	656	650	651	650	645	649	649	649	645	651	650	646	645	658		
JMJG	U004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
JMJG	U005	944	946	892	897	900	902	898	848	849	848	850	848	847	848	849	846	851	848	848	851	849	848	848	850	848	849	849	849	849	848	848	850	848	851	851	848	929	941	944	940	940	941	942	943	940				
PKLG	U003	257	255	254	256	257	254	256	252	258	254	255	258	257	255	254	255	257	251	254	254	254	255	256	254	253	255	251	257	255	255	254	257	254	255	253	255	254	255	253	254	254	256	255	256					
PKLG	U004	278	275	275	274	274	274	275	272	271	277	277	275	275	274	278	276	275	271	274	274	275	274	268	273	278	273	275	276	272	276	276	279	274	279	277	275	274	273	275	275	279	270	275	273	277	276	273		
PKLG	U006	450	446	429	441	447	450	450	446	449	449	446	443	440	441	442	445	441	446	446	445	436	443	445	442	445	444	442	442	444	445	445	441	445	445	443	443	449	450	450	450	447	447	450	449	450	447	449	448	
TBIN	U001	690	690	690	686	690	690	691	690	690	691	689	691	689	692	692	690	695	690	691	693	693	690	690	692	690	690	692	691	692	690	688	690	692	692	690	689	689	690	690	691	692	688	692	690	690	690	690	690	
TBIN	U002	685	354	161	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TBIN	U003	689	692	691	693	690	690	691	693	692	689	691	693	688	701	689	699	689	688	694	699	690	687	690	695	686	693	689	692	691	691	694	692	696	696	685	690	693	699	696	695	693	692	692	709	694	693	693		
Total ST-Coal		7255	6922	6553	6403	6416	6418	6419	6263	6265	6271	6275	6268	6262	6252	6283	6256	6282	6263	6258	6268	6269	6259	6253	6267	6271	6255	6262	6250	6264	6261	6272	6286	6343	6453	6459	6550	6565	6561	6681	7147	7310	7475	7512	7533	7552	7526	7541	7637	
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		
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	
CBPS	BLK2	358	364	368	362	362	361	340	300	218	213	215	210	225	225	221	218	218	225	218	218	223	225	218	218	220	218	210	224	224	360	353	360	364	353	360	360	359	359	360	360	361	355	355	362	362	353	353	354	
EMPP	BLK1	717	721	726	720	720	720	721	720	721	715	709	700	720	720	721	717	719	720	706	719	722	719	716	718	708	712	710	718	721	720	714	719	718	716	719	720	720	721	719	720	717	716	718	720	719	708	712	713	
EMPP	BLK2	717	721	727	720	719	721	721	720	720	714	709	700	721	721	720	717	719	720	706	718	720	718	715	718	709	713	710	718	721	720	714	720	718	717	719	720	721	720	718	720	718	715	717	720	719	708	711	713	
EMPP	BLK3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT01	68	69	70	68	68	69	68	68	68	69	68	67	69	69	69	68	69	69	97	110	108	109	107	108	107	107	107	105	108	108	107	107	106	107	102	67	67	68	67	68	68	68	68	68	68	68	68		
GLGR	GT02	68	68	68	68	68	68	69	68	68	69	68	68	68	69	68	69	68	97	108	108	107	108	107	107	108	107	107	107	107	108	107	107	107	107	101	66	68	69	68	68	68	68	68	68	68	68	68	68	
GLGR	ST1C	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	84	96	96	97	96	97	97	97	97	97	97	97	97	97	97	97	98	97	96	73	70	71	71	71	71	70	71	71	71	71	71	71	
NPRI	BLK1	523	526	533	527	524	526	520	526	486	439	432	424	329	440	329	360	445	516	500	508	513	516	506	512	501	505	503	510	514	511	506	515	511	509	512	512	515	515	509	512	509	505	508	517	511	501	432	323	
NPRI	BLK2	515	522	527	521	519	521	515	520	520	514	506	499	349	331	332	363	424	430	505	513	519	521	511	516	505	509	508	515	518	516	511	518	514	514	515	514	519	518	512	517	514	510	512	518	515	506	439	313	
PCGP	PGRG	602	603	610	603	603	604	597	602	603	592	583	575	604	600	551	376	260	261	261	261	352	471	590	496	482	488	487	599	602	598	593	605	595	597	597	598	604	601	594	599	597	591	595	603	597	586	587	590	
PGLA	GT11	168	170	173	170	169	169	168	169	170	167	164	162	170	170	169	168	169	163	167	169	169	166	168	163	165	164	167	168	167	166	167	166	167	169	170	168	167	168	216	213	215	170	170	167	166	168			
PGLA	GT12	172	173	175	173	173	173	173	174	171	168	166	173	173	175	172	172	174	168	171	172	173	169	171	167	169	168	171	172	172	172	172	170	171	171	172	173	173	171	172	220	218	218	173	173	170	170	171		
PGLA	ST10	203	203	204	204	203	203	203	203	203	202	199	199	201	203	203	202	201	204	200	201	202	204	201	201	201	201	200	205	204	202	202	201	203	204	202	200	203	203	203	201	235	233	234	204	204	200	200	201	
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	125	125	124	125	125	125	124	124	124	125	124	124	124	125	125	124	124	146	144	145	144	142	142	142	141	140	141	138	139	139	139	139	139	139	139	142	143	141	142	108	108	105	106	122	122	124	120	124	
PLPS	ST18	59	58	58	59	58	58	58	58	58	58	58	58	58	58	58	58	58	60	60	61	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	
SPGP	BLK1	724	726	725	725	725	724	725	724	725	724	726	725	723	724	726	726	501	500	723	724																													

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
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
HTRG	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
HTRG	HY03	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
KNRG	HY01	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
KNRG	HY02	35	36	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
KNRG	HY03	35	35	35	35	35	34	34	35	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
KNYR	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
KNYR	HY02	-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	HY03	75	99	99	99	81	99	64	72	74	64	62	60	93	84	85	65	64	99	63	63	69	99	63	61
KNYR	HY04	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LPIA	HY01	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
LPIA	HY02	19	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
MNOR	HY01	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	HY01	-1	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	51	51	29	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	50	50	30	30	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
SYPS	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
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
SYPS	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
TMGR	HY01	35	35	35	35	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY02	33	33	33	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	84	33	33	33	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	53	83	85	85	59	83	42	50	51	42	39	37	79	60	64	41	41	86	39	42	48	85	40	43
UJLI	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
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		692	637	596	593	455	427	351	368	267	249	244	237	303	299	281	237	237	319	232	238	250	320	332	511
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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		
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	21	69	152	232	366	374	424	455	507	511	520	528	537	489	426	381	237	186	145	112	50	31	9	1	0	0	0	0	0	0	0	0	
PCUF	CUFG	26	26	25	27	25	25	26	25	25	26	25	26	25	26	27	28	26	26	26	25	26	26	26	26	26	26	27	29	27	28	27	28	29	28	28	26	28	28	27	28	28	28	27	28	28	29			
PCUF	CUFK	22	25	27	24	25	27	25	25	25	26	25	26	25	26	25	25	26	25	26	24	26	26	26	26	26	26	26	26	26	26	26	26	26	27	25	26	26	25	26	26	24	25	25	26	26	26	24		
Total Co-Gen		48	51	52	51	50	52	51	50	50	52	50	52	51	51	51	52	54	51	52	50	51	52	52	52	52	51	51	55	53	54	53	54	56	53	54	52	53	54	53	54	53	52	53	53	54	53	54	54	53
Total Gen		14238	13967	13595	13401	13124	12968	12755	12582	12366	12271	12213	12127	12078	12154	12010	11811	11670	11866	12147	12364	12621	12820	12949	13094	13054	13090	13085	13286	13375	13439	13509	13634	13643	13627	13427	13278	13265	13336	13804	14628	14985	15031	15070	14913	14696	14527	14357	14165	
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		
TIE-HVDC		-28	-29	-29	-30	-30	-29	-28	-31	-28	-28	-29	-29	-30	-30	-28	-28	-29	-28	-30	-30	-30	-30	-28	-31	-30	-28	-30	-31	-31	-28	-31	-30	-29	-30	-29	-29	-29	-30	-28	-31	-28	-30	-28	-28	-31	-31			
TIE-PLTG		-8	-54	-89	-85	-49	-54	-23	-33	-56	-38	-39	-34	-79	-13	-16	-3	10	-51	-21	-34	-69	-121	-62	-69	-34	-7	16	4	-74	-52	-70	-74	-69	-34	-80	-45	-48	-69	-42	-55	-61	-47	-54	-70	-81	-50	-69	-85	
Interconnection		-36	-83	-118	-116	-79	-83	-51	-61	-86	-66	-67	-63	-108	-43	-46	-31	-18	-80	-49	-65	-99	-151	-92	-97	-65	-37	-12	-26	-105	-83	-98	-104	-99	-63	-110	-73	-76	-98	-72	-82	-92	-75	-82	-100	-109	-78	-99	-116	
System Total		14274	14050	13713	13517	13203	13051	12806	12643	12452	12337	12280	12190	12186	12197	12056	11842	11688	11946	12196	12429	12720	12971	13041	13191	13119	13127	13097	13312	13480	13522	13607	13738	13742	13690	13537	13351	13341	13434	13876	14710	15077	15106	15152	15013	14805	14605	14456	14281	
SRev ST-Coal		219	276	413	368	355	355	352	362	352	351	351	356	362	369	341	363	351	359	365	358	356	366	367	361	352	366	361	366	360	362	353	404	387	335	338	391	419	368	376	302	169	269	232	216	197	223	208	197	
SRev CCGT-Gas		676	562	525	565	716	848	985	1018	1135	1220	1275	1349	1457	1367	1527	1656	1843	1755	1466	1343	1234	1104	1031	1110	1192	1153	1174	1007	986	713	554	494	357	503	736	959	944	856	581	483	387	440	411	615	774	860	991	1403	
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		
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	
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	
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	
Syncon		753	702	702	702	790	941	941	941	941	941	941	941	941	941	941	941	941	941	941	941	941	941	941	941	653	653	653	653	653	653	653	502	653	653	739	739	739	739	739	739	739	552	588	739	739	739	840	840	
Hydro		264	220	261	259	209	62	138	121	134	152	157	164	98	246	120	164	164	82	169	168	156	86	154	243	257	241	240	202	161	317	268	322	220	251	94	79	58	53	102	96	183	214	90	92	112	181	243	210	
S.Reserve Total		1912	1760	1901	1894	2070	2206	2416	2442	2562	2664	2724	2810	2858	2772	2929	3124	3299	3137	2941	2810	2687	2497	2493	2367	2454	2413	2428	2228	2160	2045	1828	1722	1617	1742	1907	2168	2160	2016	1798	1620	1291	1511	1472	1662	1822	2003	2282	2650	