

Daily System Generation Summary on Monday

Monday, February 7, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,459 MW
Distillate	0 MW
Total TNB	2,459 MW
Total IPP	16,149 MW
Total Co-Gen	0 MW
Total System	22,167 MW

Generation Mix

Type	MWh	Percentage
Hydro	21,862	6.15 %
Gas	40,716	11.45 %
Total TNB	62,578	17.60 %
ST-Coal	186,229	52.37 %
LSS	2,988	0.84 %
Gas	102,523	28.83 %
Total IPP	291,740	82.04 %
Co-Gen	1,254	0.35 %
Total Co-Gen	1,254	0.35 %
Total Generation	355,572	99.99 %
PLTG	-691	-0.19 %
HVDC	662	0.19 %
Interconnection	-29	-0.01 %
Net Energy	355,601	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:	15:30:00 Hour
Total Set On Bus	18,651 MW
TNB Generation	3,845 MW
IPP Generation	13,340 MW
Spinning Reserve	1,413 MW
Maximum Demand	17,207 MW
Net Energy	355,601 MWH
Load Factor	86.11 %

Fuel Cost

Total Cost:	87,716,830.64 RM
Cost per Unit	24.67 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,018
Hydro	430
Syncon	260
Thermal	259
Total	1,967

Time	Weather	Temperature
Afternoon	Cloudy	35
Morning	Cloudy	26

Gas Usage

Station	(mmcsfd)
GLGR	46
TJGS	150
Total TNB	197
CBPS	43
EMPP	294
NPRI	134
PCGP	71
PGLA	95
PLPS	36
SPGP	90
Total IPP	764
Total Gas	961
Total Gas Required	961

Alternate Fuel Usage

Station	(mmcsfd)
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	13876	13155	12737	12336	12104	11894	12179	12470	13340	15031	15841	16344	16135	15957	16550	17112	17122	16780	15606	15511	16249	16094	15420	15014

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, March 2, 2022 3:25:33 PM
(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Monday

		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	692	689	691	692	657	555	555	504	453	456	455	505	603	603	655	691	694	696	694	695	694	694	691	694	693	692	692	692	694	694	695	694	695	698	695	691	694	693	695	694	695	695	694					
JMAH	U002		689	692	691	693	694	659	557	558	505	458	456	455	504	605	604	660	692	696	698	698	694	691	695	693	695	694	698	693	694	695	690	692	695	694	696	699	698	700	353	324	357								
JMHE	U001		950	951	847	849	850	848	852	850	849	849	849	852	849	848	850	847	854	850	866	951	945	942	940	942	946	945	952	945	950	953	953	952	950	949	952	946	950	950	949	950	944	951	952	950	951	953	952	951	
JMHE	U002		948	952	849	848	848	848	850	850	849	850	848	848	850	848	850	848	852	886	953	949	949	951	948	950	949	950	948	953	951	951	949	951	948	949	948	947	951	947	948	950	950	949	951	951	950				
JMJG	U002		645	640	667	671	673	675	676	673	674	629	623	674	672	676	671	674	672	676	678	677	670	668	668	667	673	650	671	669	666	668	668	670	668	679	669	668	667	664	671	667	668	667	668	664	668	642			
JMJG	U004		393	401	403	394	462	528	596	672	700	701	706	705	704	704	700	702	701	705	703	724	765	798	834	866	857	855	849	852	852	854	852	855	853	848	848	848	848	852	850	849	848	848	847	849	849	851	851	850	853
JMJG	U005		943	942	846	850	849	850	849	849	848	850	849	849	849	849	848	848	849	853	867	951	950	944	939	941	942	944	943	941	943	942	944	942	942	943	939	943	941	939	941	942	939	942	940	941	940	944	941	939	
PKLG	U003		255	254	255	254	254	255	255	252	253	253	251	251	255	252	254	254	249	254	252	252	254	250	252	254	255	251	253	254	252	253	253	253	254	254	257	255	254	255	256	254	254	255	255	256	257	254	255		
PKLG	U004		276	270	273	275	275	274	273	273	273	275	276	273	278	274	274	273	276	274	276	275	276	276	275	281	278	277	287	278	274	276	280	278	272	277	277	273	276	275	273	277	275	268	278	276	278	282	280	277	
PKLG	U006		447	437	442	439	442	440	438	442	448	450	444	449	450	444	446	447	449	450	449	446	447	449	448	449	449	447	449	447	447	447	447	447	448	447	448	449	449	446	447	447	447	448	446	449					
TBIN	U001		690	691	690	690	690	690	607	550	500	500	502	501	501	634	650	692	690	689	689	689	689	689	689	689	692	689	690	690	689	688	689	690	689	690	689	690	692	690	692	684	689	690	691	691	690	690			
TBIN	U003		691	694	695	692	692	690	644	553	520	503	503	502	553	617	655	693	692	687	693	690	689	687	689	692	694	687	691	690	691	693	693	691	690	690	692	692	693	690	692	693	691	693	692	690	693	690	692		
Total ST-Coal			7620	7616	7347	7346	7421	7414	7148	7077	6923	6771	6768	6772	6972	7355	7414	7590	7666	7674	7751	8005	8033	8039	8072	8112	8115	8111	8123	8102	8106	8111	8117	8115	8109	8105	8119	8094	8114	8104	8105	8110	8090	8094	8115	8110	8117	7782	7741	7749	
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		
CBPS	BLK2		221	216	216	222	218	216	222	218	219	224	222	222	227	222	215	222	229	229	273	361	362	368	361	361	346	311	296	303	303	361	364	364	361	361	354	340	218	218	219	218	311	221	215	218	217	224	217	214	
EMPP	BLK1		717	720	713	496	369	373	375	374	372	375	374	372	375	373	369	372	507	716	722	710	710	721	714	712	702	703	698	713	710	743	745	747	746	749	741	723	742	758	757	749	736	754	703	701	711	644			
EMPP	BLK2		715	720	713	496	370	373	375	374	372	375	372	375	375	372	369	372	506	716	723	711	710	720	727	722	714	713	705	719	720	754	755	757	760	760	751	733	753	768	767	761	747	765	750	757	701	709	712	644	
EMPP	BLK3		200	375	500	765	767	769	769	769	769	770	770	769	770	769	770	769	770	768	768	766	768	764	730	758	763	762	759	758	754	747	752	754	756	758	760	759	761	769	767	769	770	772	771	773	773	772	769	771	772
GLGR	GT01		68	69	69	69	69	68	71	68	70	69	68	70	70	69	68	67	69	70	70	68	68	69	68	68	67	68	68	68	68	69	67	67	68	67	67	68	69	69	69	68	70	68	69	68	69	67			
GLGR	GT02		68	68	69	68	68	69	68	69	69	68	69	68	68	69	69	69	69	68	68	68	68	68	68	68	68	68	68	68	67	68	68	67	68	68	68	68	68	68	68	68	68	68	68	68	68	69			
GLGR	ST1C		70	71	70	70	71	71	71	70	71	70	71	70	70	70	70	70	70	71	71	71	71	71	71	71	71	71	71	71	72	72	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71			
NPRI	BLK1		328	323	318	322	320	323	321	329	328	341	389	354	382	363	327	320	329	338	367	526	515	517	521	515	514	500	508	513	514	517	520	524	514	515	509	499	391	329	330	442	488	502	492	496	383	335	327	321	
NPRI	BLK2		319	315	310	311	310	313	320	317	320	320	319	320	321	317	310	320	328	327	531	519	520	525	517	518	506	506	503	518	520	529	526	525	518	520	515	505	394	319	320	316	494	397	387	390	306	320	318	312	
PCGP	PGRG		449	261	262	262	262	261	260	260	260	261	261	261	259	261	262	262	272	609	616	602	608	599	599	585	583	582	603	602	631	615	609	600	603	597	585	261	260	263	597	583	598	586	592	585	603	602	591		
PGLA	GT11		171	170	168	168	168	169	171	172	170	172	171	170	171	171	167	170	174	171	174	169	170	171	168	169	165	164	162	169	168	177	173	172	168	168	167	163	167	170	171	168	164	169	165	167	164	170	170	162	
PGLA	GT12		174	173	171	173	172	173	175	175	175	175	176	175	175	172	175	178	176	178	172	173	175	172	172	168	167	166	172	173	181	176	176	173	172	171	168	171	174	174	172	167	172	168	170	169	173	173	0		
PGLA	ST10		203	201	202	202	203	202	203	203	204	204	204	204	204	204	202	204	204	203	204	203	204	206	204	204	201	201	200	205	206	210	206	208	205	206	203	203	203	203	203	202	201	202	200	202	202	113	91		
PLPS	GT13		125	125	124	125	125	125	125	124	124	125	125	125	125	124	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	124	125	124	124	124	124	125	125	125	125					
PLPS	ST18		59	59	58	58	59	58	58	59	58	59	58	59	58	59	58	59	59	59	59	59	59	59	60	60	60	60	60	61	61	61	60	61	61	60	60	60	60	60	60	60	60	60	61	60	61	60			
SPGP	BLK1		724	500	450	402	402	362	359	358	361	361	359	362	361	359	361	361	501	725	725	724	725	726	726	725	724	726	727	725	723	724	724	725	724	724	726	726	726	550	550	725	724	724	726	726	724	724	726	725	
TJGS	GT1A		125	129	128	125	125	128	129	123	128	129	128	123	128	124	122	128	125	125	129	161	164	163	1																										

Daily MW Generation on Monday

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	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
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY02	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY03	23	23	23	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
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	57	55	58	58	58	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNYR	HY03	97	60	64	63	88	96	95	97	97	97	98	99	98	99	99	99	98	97	97	97	97	97	97	97
KNYR	HY04	57	56	61	65	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LPIA	HY01	23	22	22	22	22	22	22	21	20	20	20	20	20	20	20	20	20	20	21	21	23	23	23	22
LPIA	HY02	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	15	17	20	20	22	22	23	23	22
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	19	81	81	81	81	28
PGAU	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
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
SIHY	HY01	51	51	51	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	50	50	50	50	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	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	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
TMGR	HY03	85	42	40	40	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	73	42	41	41	41	41	66	49	52	85	71	84	78	41	41	65	85	85	85	65	85	84	84	80
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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		672	550	562	514	469	281	304	287	289	344	318	312	307	372	245	291	324	313	313	364	621	825	902	891
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

Daily MW Generation on Monday

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	
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4	5	6	10	2	10	12	3	7	3	1	2	5	7	4	0	1	1	0	0	0	0	0	0	0	0	0	0	0	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	83	144	207	255	290	407	442	493	540	566	569	520	354	246	202	197	175	91	70	55	37	10	4	0	0	0	0	0	0	0	0
PCUF	CUFG	26	23	26	23	25	26	26	27	28	26	27	27	26	27	26	27	26	25	26	26	27	26	26	27	28	28	28	26	28	27	28	28	29	28	28	28	28	28	29	27	29	28	28	28	29	28		
PCUF	CUFK	25	24	25	25	25	25	25	26	26	24	24	26	26	26	24	26	26	25	25	25	25	25	26	24	25	25	25	26	24	24	25	25	24	25	27	25	25	25	26	26	26	27	25	25	25	26	26	26
Total Co-Gen		51	47	51	48	50	51	51	53	54	50	51	53	52	53	50	53	52	50	51	51	52	51	52	51	53	53	54	50	52	52	53	52	54	55	53	53	53	54	55	53	56	53	53	53	55	55	54	
Total Gen		13808	13436	13226	12972	12747	12528	12311	12209	12076	12042	11962	11991	12182	12576	12461	12736	13319	14374	14958	15472	15810	16070	16290	16346	16139	15981	15929	16238	16601	17037	17118	17238	17132	17121	16818	16277	15650	15401	15479	16142	16292	16276	16087	15836	15430	15245	15007	14644
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		-31	-30	30	30	30	30	30	31	31	30	30	30	30	30	30	30	31	31	31	31	30	30	30	30	30	30	30	30	30	30	30	29	30	30	30	30	30	30	30	30	30	29	30	30	30	30	30	
TIE-PLTG		-38	-11	41	-35	-19	-54	-55	-41	-59	-28	39	-39	-27	16	-39	-54	-51	-89	-104	-8	-61	-62	-84	-70	-26	-34	-58	-47	21	-5	-23	0	-20	-17	8	48	14	-11	-62	-52	13	-15	-36	-17	-20	-26	-38	-47
Interconnection		-68	-40	71	-5	10	-25	-25	-10	-28	1	68	-9	3	45	-9	-23	-21	-58	-73	22	-31	-31	-54	-41	4	-4	-28	-17	51	25	6	31	10	13	38	78	44	19	-32	-22	43	15	-7	13	10	4	-7	-17
System Total		13876	13476	13155	12977	12737	12553	12336	12219	12104	12041	11894	12000	12179	12531	12470	12759	13340	14432	15031	15450	15841	16101	16344	16387	16135	15985	15957	16255	16550	17012	17112	17207	17122	17108	16780	16199	15606	15382	15511	16164	16249	16261	16094	15823	15420	15241	15014	14661
SRev ST-Coal		228	232	482	487	414	671	729	707	672	710	712	709	658	661	620	493	378	367	359	343	315	309	276	236	233	237	225	246	242	237	231	233	239	243	229	254	234	244	243	238	258	254	233	238	231	266	257	229
SRev CCGT-Gas		1721	2136	2221	2686	2945	2971	2946	2962	2944	2878	2930	2901	2904	2959	3004	2953	2502	1499	1052	908	900	850	887	897	1084	1176	1224	1099	1100	820	823	837	862	855	904	1033	1709	1993	1981	1384	1133	1231	1326	1273	1600	1565	1665	1679
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		714	714	714	840	840	941	941	941	941	941	941	941	941	754	941	941	941	941	941	941	754	502	464	464	464	464	464	464	151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	374	374	525	525	525
Hydro		248	330	318	240	185	85	62	79	77	62	199	54	59	181	121	75	42	53	53	189	458	292	263	266	342	449	489	283	439	399	365	338	407	403	584	775	740	675	586	697	772	697	810	560	346	79	177	185
S.Reserve Total		2911	3412	3735	4253	4384	4755	4765	4776	4721	4678	4718	4692	4649	4642	4773	4549	3950	2947	2492	2281	2175	1915	1890	1863	2123	2326	2402	2092	1932	1461	1424	1413	1508	1501	1717	2062	2683	2912	2810	2319	2163	2182	2369	2445	2551	2435	2624	2618