

Daily System Generation Summary on Monday

Monday, March 7, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,077 MW
Distillate	0 MW
Total TNB	2,077 MW
Total IPP	17,068 MW
Total Co-Gen	0 MW
Total System	23,424 MW

Generation Mix

Type	MWh	Percentage
Hydro	13,449	3.85 %
Gas	58,045	16.61 %
Total TNB	71,494	20.46 %
ST-Coal	201,239	57.60 %
LSS	3,364	0.96 %
Gas	72,582	20.78 %
Total IPP	277,185	79.34 %
Co-Gen	1,276	0.37 %
Total Co-Gen	1,276	0.37 %
Total Generation	349,955	100.17 %
PLTG	-71	-0.02 %
HVDC	658	0.19 %
Interconnection	587	0.17 %
Net Energy	349,368	100.00 %

Maximum Demand Record

Date: 3/29/2022	18,840 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	18,348 MW
TNB Generation	3,928 MW
IPP Generation	13,127 MW
Spinning Reserve	1,239 MW
Maximum Demand	17,044 MW
Net Energy	349,368 MWH
Load Factor	85.41 %

Fuel Cost

Total Cost:	83,860,578.91 RM
Cost per Unit	23.96 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	989
Hydro	541
Syncon	402
Thermal	204
Total	2,136

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	54
TJGS	149
Total TNB	203
CBPS	40
EMPP	254
NPRI	2
PCGP	58
PLPS	77
SKSP	55
SPGP	184
Total IPP	670
Total Gas	872
Total Gas Required	872

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	13500	12835	12328	12036	11783	11717	11849	12226	13047	14783	15579	16090	16120	15976	16610	16843	16943	16456	15569	15461	15951	15614	14893	14500

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, April 5, 2022 10:25:45 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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																									
JMAH	U001	354	455	457	455	454	455	454	453	455	454	455	504	502	692	692	695	696	700	697	694	696	696	696	696	696	696	696	696	695	695	696	695	695	698	695	695	697	695	696										
JMAH	U002	353	461	453	454	457	456	454	454	453	455	455	454	503	504	693	694	696	696	699	692	696	695	697	696	697	695	695	697	695	690	694	695	695	694	693	696	697	696	696	692	696	696	698	697	697	693	694		
JMHE	U002	852	851	849	851	851	849	849	852	854	848	852	850	852	851	853	851	848	850	933	978	973	981	978	979	982	976	980	979	977	980	977	979	979	984	981	979	976	983	982	978	981	978	983	980	975	982	934	900	
JMJG	U001	649	647	651	646	651	652	637	643	643	649	642	648	650	645	646	673	666	673	673	673	675	672	673	638	672	673	671	671	674	673	673	671	671	671	649	587	560	568	594	598	595	598	598	596	598	596	594	594	
JMJG	U002	649	646	648	657	654	647	653	654	646	649	649	649	651	651	647	673	675	676	673	677	674	674	668	677	668	674	672	677	675	673	669	672	673	675	672	657	594	568	568	600	598	604	601	600	600	604	602	598	
JMJG	U004	851	848	848	845	847	845	850	848	846	847	848	846	848	848	845	847	848	902	958	969	970	974	972	972	971	970	972	974	972	971	973	967	974	974	973	974	971	969	973	970	972	974	969	972	960	906	896		
JMJG	U005	848	849	849	846	850	850	848	849	849	847	853	851	849	850	851	854	851	853	930	973	972	974	973	974	973	973	969	972	972	976	971	964	969	968	972	968	972	976	971	976	970	972	973	974	972	972	929	921	
PKLG	U003	149	149	150	149	150	150	148	149	150	150	149	150	151	150	149	183	262	273	279	277	278	279	285	277	279	280	277	279	280	283	272	280	273	281	277	279	276	281	279	282	278	279	276	278	280	280	280	280	
PKLG	U004	153	157	158	157	151	153	152	150	148	151	151	151	156	148	153	156	185	242	273	277	274	274	273	274	275	276	273	273	274	275	276	276	274	276	276	270	275	276	275	274	271	272	273	276	277	277	276	275	
PKLG	U006	329	415	449	450	449	447	445	442	443	443	443	444	442	447	450	449	449	446	447	449	449	449	446	446	447	449	446	450	449	446	449	446	447	447	449	449	445	444	446	445	442	442	440	443	443	443	443		
TBIN	U001	451	499	499	499	500	496	500	501	448	450	437	499	603	663	689	689	689	691	690	687	688	689	689	691	689	689	687	690	689	689	689	689	687	690	689	691	690	688	690	687	687	687	687	687	686	686	685	687	
TBIN	U003	455	506	501	502	501	501	503	503	462	453	438	514	590	639	688	691	689	691	689	691	690	687	693	691	690	690	691	692	690	691	692	690	689	689	690	689	689	688	692	691	690	689	690	689	690	691	690	690	
TBIN	U004	851	853	855	852	852	854	853	853	854	855	854	853	851	855	854	853	853	932	939	941	939	941	943	939	940	941	940	943	941	939	939	942	941	940	941	939	940	942	941	943	941	942	940	941	941	931	918		
Total ST-Coal		6944	7336	7367	7363	7367	7355	7346	7353	7251	7247	7228	7364	7553	7751	7833	8271	8321	8476	8807	8980	8969	8983	8977	8998	8941	8980	8976	8981	8988	8993	8974	8962	8969	8977	8981	8930	8815	8768	8774	8829	8823	8824	8836	8824	8818	8827	8661	8592	
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	217	224	224	223	223	216	221	218	219	219	207	225	225	227	225	215	222	223	223	224	223	223	281	236	223	221	224	357	359	361	361	361	356	270	215	217	224	219	217	223	225	225	218	223	216	219	224		
EMPP	BLK1	708	574	499	521	458	371	375	376	378	366	367	380	375	375	377	371	433	551	550	578	670	696	709	710	698	712	689	709	709	711	710	710	708	709	705	705	698	711	703	697	709	708	712	648	558	492	492	496	
EMPP	BLK2	708	479	408	409	413	372	375	377	378	366	367	380	374	375	377	371	430	552	549	578	670	695	708	711	698	712	689	708	709	712	711	710	707	708	705	705	697	710	703	696	709	709	684	598	505	443	442	374	
EMPP	BLK3	708	482	409	410	412	371	375	376	378	366	367	380	375	375	377	371	410	510	508	543	636	659	708	711	698	689	660	708	709	712	710	710	707	709	705	705	698	709	703	696	708	709	686	599	510	442	441	375	
GLGR	GT01	68	69	70	69	68	68	69	67	69	68	70	69	69	70	67	68	67	86	108	109	110	108	109	109	108	109	108	109	108	107	106	107	108	110	111	110	110	111	109	110	109	111	110	110	111	110	110	110	
GLGR	GT02	69	68	68	68	68	68	68	68	68	67	68	68	68	68	68	68	68	68	87	109	108	108	109	108	108	108	109	107	105	106	106	105	105	106	108	109	109	109	109	109	109	109	109	109	110	110	109	109	
GLGR	ST1C	71	70	71	71	71	70	71	70	71	71	70	71	71	71	71	71	70	71	79	97	97	98	98	98	98	99	97	97	98	97	97	97	97	99	98	98	98	98	98	98	98	98	98	98	98	98	98		
NPRI	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	17	19	17	18	59	67	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	113	
PCGP	PGRG	446	262	262	261	260	260	260	261	262	261	260	265	263	262	262	262	262	261	261	260	261	403	548	601	519	259	266	570	597	604	604	607	592	596	531	446	437	351	390	587	498	264	262	262	260	261	260	263	
PLPS	GT11	113	113	113	113	113	110	114	113	112	109	108	117	112	114	113	109	112	121	145	145	145	145	143	143	137	141	140	140	137	139	139	138	136	137	136	137	136	136	140	136	136	139	139	139	137	135	135	135	140
PLPS	GT12	117	119	118	119	119	115	120	118	120	115	114	123	118	119	120	115	120	124	142	154	153	152	151	150	143	149	148	145	147	147	147	144	143	145	144	143	146	143	143	148	147	146	147	142	142	144	146		
PLPS	ST18	131	130	131	130	130	131	130	131	127	129	129	131	132	130	132	130	130	129	140	142	144	143	142	142	140	142	141	141	141	141	141	141	140	140	140	140	140	140	141	140	142	141	142	141	139	141	140		
SKSP	BLK1	216	241	218	235	218	215	262	217	220	218	222	266	218	340	337	301	269	336	337	335	334	335	336	337	333	335	340	333	332	339	335	334	336	336	336	336	334	333	336	337	312	322	289	323	310	277			
SPGP	BLK1	726	724	725	551	501	501	400	364	362	362	361	362	361	359	362	363	497	722	726	726	727	724	724	726	725	720	718	716	716	717	713	720	727	727	725	726	725	726	725	726	725	727	726	725	727	725	726	728	
SPGP	BLK2	722	722	723	550	501	500	400	363	361	362	361	359	362	360	362	361	491	723	723	723	723	722	724	725	723	721	719	71																					

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	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
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	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	HY03	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
LPIA	HY01	15	15	15	15	19	20	20	20	21	21	16	16	15	17	12	12	13	17	17	17	17	17	17	17
LPIA	HY02	22	22	22	22	20	20	20	20	20	20	19	19	17	17	12	11	12	17	17	17	17	17	17	17
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	21	21	21	21	21	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
PGAU	HY03	132	112	82	82	82	82	82	82	82	82	20	21	21	21	21	21	21	21	21	21	21	21	21	21
PGAU	HY04	110	110	111	111	110	82	81	81	82	82	21	21	22	21	21	21	21	21	21	21	21	21	21	21
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	30	30
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
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
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17
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	17	17	17	17	17	17	17	17
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	86	86	85	85	85	85	85
TMGR	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
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	82	85	85	85	85	85	84	85
TMGR	HY04	67	84	83	85	49	40	85	62	54	40	39	86	86	84	85	40	42	60	86	84	84	85	49	81
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	118	96	182	154	104	120	105
UPIA	HY01	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		599	595	566	569	535	527	532	507	500	487	481	279	277	278	268	221	225	253	343	342	352	354	319	340
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
Total 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
PCUF	CUFG	27	27	26	27	27	28	28	28	28	29	29	29	28	28	27	29	28	28	29	28	28	28	28	28
PCUF	CUFK	27	26	25	24	26	25	24	26	26	26	27	25	23	25	23	25	24	24	27	25	25	25	25	25
Total Co-Gen		54	53	51	51	53	53	52	54	54	55	56	54	51	53	51	53	52	51	53	55	53	54	56	53

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																									
Total Gen		13470	13118	12878	12570	12366	12158	12028	11887	11790	11722	11696	11752	11860	12183	12257	12577	13085	14197	14788	15216	15594	15918	16138	16343	16132	16052	15951	16325	16731	17056	16977	17109	17029	16801	16460	15970	15606	15419	15461	15971	16000	15776	15645	15346	14932	14716	14474	14256	
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
TIE-HVDC		-29	-29	30	30	31	31	30	30	29	29	30	30	31	31	30	30	30	30	29	29	30	30	30	30	29	29	30	30	29	29	28	29	29	29	29	31	31	30	30	30	31	31	30	30	31	31	29		
TIE-PLTG		0	-11	13	-45	8	-11	-38	-9	-23	10	-51	-12	-20	-1	0	4	8	70	-24	-57	-16	-20	18	-11	-17	-5	-55	-57	92	116	104	35	56	-33	-26	-18	8	-20	-29	38	20	-30	0	-9	9	-17	-57	-28	
Interconnection		-30	-40	43	-15	38	19	-8	21	7	40	-21	18	11	30	31	34	38	100	5	-28	15	10	48	18	12	25	-25	-27	121	146	134	65	86	-3	4	11	37	8	0	66	49	1	31	21	39	14	-26	1	
System Total		13500	13158	12835	12585	12328	12139	12036	11866	11783	11682	11717	11734	11849	12153	12226	12543	13047	14097	14783	15244	15579	15908	16090	16325	16120	16027	15976	16352	16610	16910	16843	17044	16943	16804	16456	15959	15569	15411	15461	15905	15951	15775	15614	15325	14893	14702	14500	14255	
SRev ST-Coal		833	840	799	798	798	799	812	808	815	806	814	808	805	768	685	508	511	495	329	164	175	161	167	146	203	164	168	163	156	151	170	182	175	167	163	214	268	262	264	267	282	277	265	276	280	277	435	392	
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 CCGT-Gas		1287	2026	2266	2573	2749	2937	3062	3187	3175	3227	3229	3105	3181	3059	3055	3129	2725	1847	1761	1594	1317	1144	918	793	938	1189	1263	880	574	368	417	449	505	611	865	1004	1037	1069	1066	894	927	1156	1226	1465	1773	1945	1954	2101	
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 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 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		550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550
Hydro		360	364	393	397	431	439	434	459	466	479	485	436	438	437	447	494	490	462	472	462	463	461	496	464	543	493	528	494	519	652	670	482	456	506	550	513	696	591	545	623	553	549	622	671	694	661	748	495	
S.Reserve Total		3030	3780	4008	4318	4528	4725	4858	5004	5006	5062	5078	5025	5100	4940	4863	4807	4402	3480	3238	2896	2631	2442	2257	2079	2272	2434	2547	2125	1749	1484	1383	1239	1262	1410	1704	2044	2314	2422	2375	2097	2075	2295	2426	2725	3060	3196	3450	3576	