

Daily System Generation Summary on Monday

Monday, June 21, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,340 MW
Distillate	0 MW
Total TNB	2,340 MW
Total IPP	17,889 MW
Total Co-Gen	0 MW
Total System	24,374 MW

Generation Mix

Type	MWh	Percentage
Hydro	10,521	3.40 %
Gas	67,923	21.94 %
Total TNB	78,444	25.33 %
ST-Coal	172,000	55.55 %
LSS	3,385	1.09 %
Gas	54,734	17.68 %
Total IPP	230,119	74.32 %
Co-Gen	153	0.05 %
Total Co-Gen	153	0.05 %
Total Generation	308,716	99.70 %
PLTG	-317	-0.10 %
HVDC	-608	-0.20 %
Interconnection	-925	-0.30 %
Net Energy	309,641	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	15,813 MW
TNB Generation	3,928 MW
IPP Generation	10,654 MW
Spinning Reserve	1,225 MW
Maximum Demand	14,574 MW
Net Energy	309,641 MWH
Load Factor	88.53 %

Fuel Cost

Total Cost:	43,932,143.99 RM
Cost per Unit	14.24 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	144
Hydro	231
Syncon	699
Thermal	595
Total	1,669

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	205
Total TNB	234
CBPS	52
NPRI	158
YPKA	59
Total IPP	270
Total Gas	504
Total Gas Required	504

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	12438	11936	11523	11181	10902	10770	10852	10997	11387	12557	13124	13514	13668	13666	13980	14161	14171	14039	13362	13315	14574	14492	14326	14185

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, July 5, 2021 5:35:55 PM

(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	356	300	301	302	300	300	301	301	301	300	301	303	300	301	299	302	301	305	305	300	301	301	301	301	302	307	305	301	417	401	402	402	433	500	501	503	399	350	352	398	510	657	651	651	584	552	553	552	527
JMHE	U001	788	781	778	780	781	781	783	778	781	783	778	780	782	781	780	783	780	779	780	781	782	861	851	852	850	852	849	851	905	900	902	902	901	902	899	901	900	901	899	902	911	921	922	923	922	918	921	921	
JMHE	U002	787	779	779	777	784	779	784	778	780	780	777	784	780	778	779	780	780	783	781	781	780	857	854	850	851	852	852	851	904	902	900	901	901	898	900	900	902	897	900	900	909	921	921	924	921	920	920	920	
JMJG	U001	666	668	657	599	565	528	525	508	508	506	508	507	508	508	511	505	508	583	668	662	668	671	654	660	667	660	671	672	663	670	653	635	640	649	651	634	632	632	649	649	640	644	640	648	643	649	637	672	
JMJG	U002	670	672	655	606	553	550	548	549	548	550	552	548	549	548	545	546	604	677	669	671	674	672	675	672	676	672	673	677	660	674	662	667	671	671	670	669	667	672	672	666	670	663	668	667	663	671	670		
JMJG	U003	666	665	651	596	553	498	506	506	504	506	506	510	505	507	506	506	505	587	666	671	662	666	669	667	666	668	662	667	663	669	669	666	666	667	665	667	668	660	666	662	664	664	664	666	662	666	665	666	
JMJG	U004	483	482	480	485	483	481	476	521	604	707	746	786	785	787	785	787	785	788	785	788	807	823	853	856	856	859	856	858	901	905	903	876	856	856	856	858	854	857	856	854	857	855	855	856	857	858	856		
PKLG	U003	156	156	155	155	155	155	155	154	155	157	156	155	155	155	155	156	157	219	267	281	276	277	280	280	278	279	278	279	281	279	279	279	279	279	279	213	190	246	275	280	279	277	278	279	278				
PKLG	U006	267	266	267	267	269	269	267	267	269	269	267	269	268	269	269	268	267	267	312	386	432	445	447	449	449	450	447	449	446	447	447	449	448	447	447	447	413	439	447	450	449	447	449	450	451	449	450		
TBIN	U001	500	483	400	401	401	400	350	352	352	351	351	351	351	351	351	351	352	352	409	506	499	499	500	577	551	550	550	552	550	551	550	548	603	600	602	501	430	348	412	511	660	688	689	689	630	631	629	629	
TBIN	U002	504	480	403	404	403	403	353	353	353	353	352	352	354	355	351	353	353	353	408	507	503	502	502	603	556	554	554	555	551	555	557	552	605	602	604	524	438	351	398	514	679	692	694	689	633	632	636	633	
TBIN	U004	852	854	853	854	854	853	853	852	852	853	852	853	853	853	853	854	853	856	853	852	854	854	854	855	852	857	853	851	873	903	901	905	902	903	903	903	904	907	904	902	905	923	924	923	923	924	923		
Total ST-Coal		6695	6586	6379	6226	6101	5997	5901	5921	6006	6112	6148	6198	6190	6193	6187	6189	6185	6413	6756	7048	7180	7421	7431	7621	7557	7562	7548	7676	7815	7845	7835	7806	7969	7979	7981	7683	7473	7198	7383	7769	8273	8358	8349	8296	8138	8142	8140	8146	
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	358	354	358	350	350	356	356	360	227	223	220	220	250	300	344	366	362	362	359	359	360	360	359	359	357	357	360	360	361	361	361	361	361	362	359	362	360	362	367	366	360	362	362	362	362	362	362	
GLGR	GT01	96	96	95	95	95	96	96	96	97	95	94	95	95	95	94	96	96	95	95	95	95	96	95	94	95	94	95	95	95	95	96	95	97	95	96	95	95	95	96	96	96	96	96	94	96	95	95		
GLGR	ST1C	41	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	41	40	39	40	40	40	40	40	40	40	40	41	40	41	40	40	39	40	40	40	40	41	41	40	41	41	40	40	40	40			
NPRI	BLK1	508	506	501	506	503	506	509	504	511	515	514	510	512	515	514	514	508	514	515	512	513	503	514	511	507	514	506	513	514	509	514	517	514	515	514	515	511	514	514	518	515	515	514	511	514	515	514	510	
NPRI	BLK2	513	511	505	509	504	511	514	509	515	431	338	331	380	500	527	412	514	519	518	515	517	518	519	514	513	517	511	518	514	518	521	518	520	518	519	514	518	519	523	520	519	518	517	518	519	518	519	518	514
PCGP	PGRG	593	591	588	592	583	591	596	589	598	603	602	597	599	601	602	600	596	603	601	598	600	587	603	598	594	601	592	603	603	596	601	604	600	604	602	600	597	602	603	610	604	602	601	598	602	601	602	595	
SPGP	BLK1	717	718	717	717	718	718	717	716	716	716	717	718	717	718	717	719	718	719	718	716	717	716	716	719	719	718	716	716	716	716	716	717	717	715	716	718	717	718	716	718	719	719	719	718	719	717	719		
SPGP	BLK2	716	717	716	718	716	716	717	715	717	715	717	716	717	719	718	717	718	717	717	716	717	716	717	717	716	716	716	716	716	716	716	718	718	716	718	717	717	716	718	715	718	717	717	716	718	716	718		
TJGS	GT1A	226	223	224	225	221	223	228	228	134	137	135	137	137	137	137	137	204	227	224	223	223	223	224	225	226	224	223	226	224	226	222	225	223	225	223	225	223	226	223	226	222	223	222	222	225	224	226	226	221
TJGS	GT1B	221	215	214	216	213	215	217	216	124	125	129	125	124	125	129	127	195	220	215	214	217	214	214	213	215	214	216	214	216	217	212	215	216	216	215	216	215	216	215	217	217	219	216	214	214	215	213	215	215
TJGS	ST1C	238	241	241	240	233	237	240	240	172	172	172	172	172	172	172	172	209	240	240	243	243	243	243	246	246	246	246	246	246	246	246	246	246	246	246	246	246	246	246	246	246	246	246	246	246	246	246	246	
TJGS	GT2A	217	217	217	217	217	193	141	105	107	107	107	107	107	105	108	108	148	218	217	217	215	215	215	215	215	215	215	215	215	215	215	215	216	216	216	216	216	216	214	217	216	216	214	215	215	215	215	215	
TJGS	GT2B	213	213	213	213	213	188	138	102	104	104	104	104	104	104	104	146	213	213	213	213	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211	212	212	212	212	212	213	213	213	213	213	213	211	210	
TJGS	ST2C	254	254	254	254	254	248	221	193	191	191	191	191	191	191	191	207	252	252	252	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	
YPKA	GT11	118	118	117	97	80	67	67	67	67	66	67	67	66	66	67	67	66	90	120	119	120	117	119	119	118	120	118	119	119	120	119	121	119	120	119	120	119	120	119	120	119	119	119	119	119	120	119	119	
YPKA	GT12	135	135	135	99	86	68	67	68	68	68	67																																						

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	
MNOR	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	
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	
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	
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	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	-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	-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	HY04	41	39	38	39	38	40	41	39	41	41	41	41	43	43	42	41	52	50	55	68	41	67	43	41	52
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	91	91	89	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
UPIA	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
Total Hydro		420	321	318	228	227	228	229	229	228	229	230	229	222	224	221	218	244	239	243	262	222	263	253	366	380
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	
GBLS	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	
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	
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	
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	5	4	3	3	4	4	4	2	2	3	3	4	3	4	4	4	4	5	3	4	3	3	4	3	
PCUF	CUFK	4	3	3	3	4	3	4	2	3	4	4	2	4	3	3	4	3	2	5	1	4	3	3	3	
Total Co-Gen		9	7	6	6	8	7	8	4	5	7	7	5	8	6	7	4	7	7	7	8	7	7	7	6	
Total Gen		12411	12189	11956	11655	11458	11276	11079	10975	10835	10738	10678	10703	10752	10872	10933	10873	11317	12036	12504	12870	13078	13313	13425	13620	
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	
TIE-HVDC		31	31	30	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		-55	-10	-8	-22	-33	-53	-70	-25	-35	-60	-60	-46	-69	-51	-31	-32	-39	-45	-21	-3	-13	0	-56	2	
Interconnection		-24	21	23	-51	-62	-82	-99	-54	-64	-89	-89	-75	-97	-80	-61	-62	-67	-74	-50	-32	-42	-28	-85	-27	
System Total		12438	12171	11936	11709	11523	11361	11181	11032	10902	10830	10770	10781	10852	10955	10997	10938	11387	12113	12557	12905	13124	13345	13514	13651	
SRev ST-Coal		669	665	711	805	806	807	814	819	786	883	846	890	892	890	893	890	895	896	741	755	738	684	696	681	
SRev CCGT-Gas		156	168	190	248	321	399	502	622	847	1053	1150	1172	1118	992	928	998	591	192	142	153	145	179	146	153	
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	
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	
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	

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		
S.Rev 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		638	739	739	926	926	926	926	926	926	926	926	926	926	926	926	926	926	926	926	926	926	926	926	825	825	825	825	825	638	638	638	638	638	638	638	638	638	638	451	451	451	451	451	451	451	451	451	451	552
Hydro		214	212	215	118	119	118	117	117	118	117	116	117	117	124	122	125	128	102	107	103	83	123	82	142	231	217	229	201	217	289	240	167	304	193	266	288	297	229	309	195	226	365	394	453	410	339	496	348	
S.Reserve Total		1677	1784	1855	2097	2172	2250	2359	2484	2677	2979	3038	3105	3053	2932	2869	2939	2540	2116	1916	1937	1892	1912	1850	1902	1894	1862	1905	1841	1855	1759	1714	1600	1641	1504	1589	1620	1650	1627	1656	1351	1230	1300	1340	1409	1489	1408	1571	1550	