

Daily System Generation Summary on Monday

Monday, September 13, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,236 MW
Distillate	0 MW
Total TNB	2,236 MW
Total IPP	18,474 MW
Total Co-Gen	0 MW
Total System	24,342 MW

Generation Mix

Type	MWh	Percentage
Hydro	15,792	4.62 %
Gas	60,560	17.72 %
Total TNB	76,352	22.34 %
ST-Coal	204,028	59.70 %
LSS	2,209	0.65 %
Gas	59,053	17.28 %
Total IPP	265,290	77.63 %
Co-Gen	1,256	0.37 %
Total Co-Gen	1,256	0.37 %
Total Generation	342,898	100.33 %
PLTG	652	0.19 %
HVDC	488	0.14 %
Interconnection	1,140	0.33 %
Net Energy	341,758	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:	16:30:00 Hour
Total Set On Bus	17,287 MW
TNB Generation	3,621 MW
IPP Generation	12,031 MW
Spinning Reserve	1,586 MW
Maximum Demand	15,670 MW
Net Energy	341,758 MWH
Load Factor	90.87 %

Fuel Cost

Total Cost:	53,348,317.15 RM
Cost per Unit	15.55 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	452
Hydro	172
Syncon	566
Thermal	587
Total	1,777

Time	Weather	Temperature
Afternoon	Hot	31
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	159
Total TNB	188
CBPS	55
NPRI	162
PGLA	112
Total IPP	329
Total Gas	517
Total Gas Required	517

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	14167	13672	13143	12750	12386	12248	12207	12360	12842	14367	14906	15252	15080	14913	15318	15511	15614	15355	14680	14766	15500	15159	14734	14518

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, October 6, 2021 11:11:39 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	598	602	600	569	505	499	390	301	301	301	299	301	302	300	299	300	369	457	474	501	541	529	626	572	507	451	588	596	660	681	687	692	690	691	692	665	576	673	692	691	679	651	601	551	506	500	501	
JMAH	U002	605	604	604	503	506	401	301	308	304	306	304	303	302	304	304	303	302	377	465	518	541	528	582	692	639	521	465	561	656	692	696	695	695	696	689	694	652	554	666	698	694	695	653	657	576	507	504	506
JMHE	U001	951	951	949	902	902	876	779	784	783	780	783	781	784	780	781	778	784	905	903	951	952	949	975	973	977	979	980	979	983	980	980	981	982	978	981	981	983	979	981	984	980	982	977	977	978	979	978	984
JMHE	U002	949	949	951	904	903	778	780	780	781	778	779	781	782	781	779	778	784	887	904	950	954	950	981	977	981	982	987	976	983	980	978	981	981	980	981	979	978	980	980	979	980	983	978	975	976	980	977	984
JMJG	U001	652	593	590	596	536	548	531	507	451	453	453	453	453	454	454	502	568	647	658	654	654	651	659	660	658	651	656	663	653	637	640	632	625	624	615	602	598	597	591	588	589	585	585	590	588	589	577	
JMJG	U002	651	596	609	598	566	548	542	507	461	451	448	450	450	449	453	450	508	585	672	660	655	666	660	656	661	656	662	665	668	662	641	632	630	623	630	617	598	598	594	600	596	590	587	590	590	585	587	589
JMJG	U003	650	587	596	598	561	545	526	516	468	456	455	454	453	456	452	449	497	573	654	664	651	651	654	653	656	655	657	655	669	656	635	629	624	622	623	620	593	585	584	600	581	579	579	584	581	581	581	577
JMJG	U004	949	950	918	862	849	850	842	794	786	786	786	786	786	787	786	846	904	917	957	957	986	983	982	985	985	985	985	985	985	985	987	986	988	986	986	986	983	979	980	978	981	978	981	980	982	982	979	983
JMJG	U005	894	891	890	892	836	799	801	798	801	799	801	801	800	796	800	800	807	887	892	888	890	888	888	891	890	896	890	892	890	891	889	888	892	889	891	890	892	890	890	895	895	895	887	890	887	889	887	889
PKLG	U003	0	0	0	0	0	0	0	12	19	22	25	25	59	61	80	91	87	106	65	49	49	86	124	99	128	150	146	149	150	151	149	150	150	151	150	150	154	151	150	149	151	150	149	150	149	150	150	
PKLG	U006	446	368	281	269	269	267	269	267	268	269	269	269	268	267	267	269	270	310	402	447	452	446	447	450	450	447	449	448	446	448	446	448	446	450	453	449	449	447	447	449	449	447	447	449	446	448	449	
TBIN	U001	211	211	211	211	211	210	212	210	211	211	211	211	211	211	210	210	209	210	210	211	210	256	209	212	219	217	216	264	249	225	279	279	299	249	214	216	265	356	351	351	351	350	323	301	299	300		
TBIN	U002	211	212	211	213	213	211	212	213	210	212	211	212	213	212	211	213	213	211	211	212	212	212	250	210	212	212	211	212	256	249	226	277	274	298	250	213	212	262	354	353	355	356	352	349	308	302	302	
TBIN	U003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84	218	199	224	209	214	251	209	212	214	212	213	254	248	225	276	269	295	250	212	211	265	357	354	353	352	352	351	300	303	303	
TBIN	U004	952	952	911	853	854	853	852	853	853	853	856	854	853	853	856	854	854	883	903	951	953	953	985	983	981	982	982	984	983	982	982	982	982	982	983	982	983	983	982	981	983	983	982	981	982	983	983	
Total ST-Coal		8719	8466	8321	7970	7711	7385	7037	6838	6690	6674	6677	6681	6681	6710	6715	6724	6908	7782	8547	8764	8854	8864	9060	9424	9176	9035	8952	9176	9314	9511	9449	9373	9528	9498	9571	9404	9165	8962	9319	9666	9623	9612	9517	9471	9314	9083	9067	9077
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
CBPS	BLK2	361	364	366	365	360	362	365	364	350	340	367	329	345	295	332	363	371	369	361	368	367	363	364	363	365	365	366	361	361	364	362	348	366	364	366	367	365	364	362	370	362	361	361	363	361	367	364	363
GLGR	GT01	95	94	95	96	96	94	94	95	97	94	95	95	96	95	95	96	96	95	94	95	95	95	95	95	96	97	94	97	96	94	95	96	95	97	96	97	95	96	96	95	95	96	95	95	95	95		
GLGR	ST1C	41	41	41	40	40	40	40	39	40	41	39	40	41	41	41	41	41	41	41	40	40	40	40	41	41	41	40	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	
NPRI	BLK1	507	517	515	515	513	506	515	515	517	510	515	514	517	507	515	514	524	522	515	516	515	515	515	511	509	514	516	510	514	519	505	515	516	518	515	515	515	515	524	514	515	510	510	499	515	514	513	
NPRI	BLK2	495	519	518	518	515	510	519	518	500	482	518	516	515	502	515	515	526	524	514	519	519	518	518	514	497	509	509	513	508	521	506	518	518	521	518	518	518	518	520	535	518	517	501	510	483	518	517	514
PCGP	PGRG	590	603	603	603	600	592	603	602	604	596	602	601	602	596	601	601	612	607	600	604	602	603	600	260	260	260	263	263	260	268	261	263	263	263	263	262	262	264	261	272	261	261	261	261	261	263	262	262
PGLA	GT11	215	218	218	219	218	216	188	187	171	169	170	170	214	187	188	215	218	217	217	218	218	217	216	220	234	233	232	232	233	233	231	232	229	230	229	228	227	228	232	228	229	228	228	224	228	165	170	
PGLA	GT12	219	224	222	223	221	220	192	191	174	172	174	173	175	218	190	191	220	223	222	222	223	222	222	221	209	202	202	202	202	203	202	203	205	204	206	207	206	206	208	207	206	207	206	207	206	207	171	174
PGLA	ST10	238	241	240	240	238	239	216	217	205	205	205	205	236	220	217	230	238	237	237	236	236	236	236	235	240	241	241	242	242	242	242	243	243	241	242	242	241	241	242	240	240	240	239	241	213	118		
SPGP	BLK1	706	709	707	709	709	709	710	709	710	707	709	706	708	707	710	710	708	740	737	738	740	738	736	737	738	740	738	736	737	742	707	709	707	708	709	710	709	709	709	709	707	707	708	708	706			
SPGP	BLK2	716	720	716	718	717	718	718	717	718	721	718	720	719	717	716	718	719	719	717	717	716	716	699	717	718	719	716	717	721	740	736	741	738	733	739	734	718	719	716	718	721	719	718	718	719	716		
TJGS	GT1A	70	70	71	71	117	206	232	233	232	234	166	164	165	220	221	223	222	223	146	171	207	225	205	190	173	176	179	202	173	229	189	223	184	219	204	193	180	206	176	220	210	208	219	223	215	217	222	219
TJGS	ST1C	0	0	8	11	63	99	117	120	120	120	89	89	89	111	111	111	111	115	85	85	100	111	106	106	91	91	92	115	93	114	10																	

Daily MW Generation on Monday

[illegible]

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0</