

Daily System Generation Summary on Sunday

Sunday, May 22, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,306 MW
Distillate	0 MW
Total TNB	2,306 MW
Total IPP	19,876 MW
Total Co-Gen	0 MW
Total System	25,153 MW

Generation Mix

Type	MWh	Percentage
Hydro	8,502	2.41 %
Gas	35,877	10.17 %
Total TNB	44,379	12.59 %
ST-Coal	222,378	63.06 %
LSS	3,865	1.10 %
Gas	81,007	22.97 %
Total IPP	307,250	87.13 %
Co-Gen	1,272	0.36 %
Total Co-Gen	1,272	0.36 %
Total Generation	352,901	100.08 %
PLTG	-457	-0.13 %
HVDC	731	0.21 %
Interconnection	274	0.08 %
Net Energy	352,627	100.00 %

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 5/24/2022	398,523 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	17,975 MW
TNB Generation	2,444 MW
IPP Generation	14,231 MW
Spinning Reserve	1,244 MW
Maximum Demand	16,746 MW
Net Energy	352,627 MWH
Load Factor	87.74 %

Fuel Cost

Total Cost:	88,807,820.87 RM
Cost per Unit	25.16 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	256
Hydro	494
Syncon	411
Thermal	609
Total	1,770

Time	Weather	Temperature
Afternoon	Hot	37
Morning	Sunny	29

Gas Usage

Station	(mmcsfd)
GLGR	31
TJGS	103
Total TNB	134
CBPS	54
EMPP	208
NPRI	159
PCGP	88
SPGP	107
Total IPP	615
Total Gas	749
Total Gas Required	749

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	16092	15464	14816	14279	13808	13461	13364	12756	12352	12910	13624	14203	14328	14460	14972	15199	15258	15066	14686	14983	16486	16725	16543	16386

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, June 7, 2022 9:55:30 AM

(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	635	696	695	695	693	656	605	556	557	504	456	455	458	455	353	305	307	306	305	305	305	304	303	303	305	307	306	305	305	304	403	404	426	496	456	405	405	407	434	656	696	695	696	698	696	656	656	694		
JMAH	U002	640	699	699	695	694	656	605	555	554	504	454	455	458	456	357	302	305	308	307	304	307	303	303	303	304	305	305	305	303	304	405	405	426	484	454	404	405	410	437	653	693	695	700	698	696	656	655	696		
JMHE	U001	979	982	974	947	945	951	944	901	900	899	899	850	849	849	798	797	802	799	800	858	858	860	930	923	920	919	927	923	922	918	960	960	963	959	958	961	961	957	964	977	979	981	981	979	977	983	978	980		
JMHE	U002	982	980	981	757	748	569	499	499	499	501	498	501	500	502	503	758	753	850	848	850	851	852	879	922	917	918	922	921	922	921	960	959	960	956	960	963	961	962	962	981	981	981	980	978	978	981	979	979		
JMJG	U001	645	648	645	654	645	643	651	672	670	670	671	676	665	667	670	643	645	647	652	677	670	672	663	663	665	668	667	664	669	665	667	668	671	667	666	667	671	667	667	666	666	668	668	643	623	627	626	629		
JMJG	U002	647	649	650	640	651	651	650	674	672	673	673	677	675	674	673	645	649	654	658	672	672	675	672	671	672	671	670	672	673	671	670	674	677	670	672	673	673	673	673	670	668	672	673	647	641	629	628	629		
JMJG	U004	983	978	978	963	950	950	951	911	900	901	900	852	855	854	854	815	806	806	806	846	863	865	877	921	922	920	919	921	920	924	964	960	960	959	958	961	963	960	964	979	979	983	981	982	980	981	980	981		
JMJG	U005	974	975	973	950	949	951	949	895	897	900	898	847	848	850	801	796	801	798	801	866	864	862	891	925	913	919	918	919	919	920	963	958	960	959	961	961	963	964	962	979	976	977	978	969	972	972	209	203	156	
PKLG	U004	152	154	152	154	151	151	152	151	157	154	156	158	155	155	154	154	153	152	154	155	154	155	153	152	154	155	155	154	157	155	153	154	155	155	155	153	157	229	257	275	275	273	270	276	272	209	203	156		
PKLG	U005	269	269	268	269	271	269	268	269	268	269	269	268	271	269	269	269	271	269	269	269	269	268	268	269	269	269	269	270	268	269	268	269	268	269	268	269	268	272	267	269	268	277	353	413	468	466	449	367	314	269
PKLG	U006	377	349	275	306	326	272	267	267	270	269	268	268	270	269	269	269	269	271	269	269	267	267	269	268	268	269	268	269	269	268	269	268	268	268	268	268	268	290	373	433	450	448	423	429	446	411	405	405		
TBIN	U001	597	652	690	685	687	673	647	599	550	500	501	502	500	439	349	353	352	352	351	352	397	450	452	450	450	501	586	600	600	651	691	686	689	690	597	549	548	600	662	690	689	689	685	689	690	689	689			
TBIN	U002	621	656	691	692	687	670	654	605	556	500	503	503	505	503	433	355	353	353	352	354	353	402	451	452	452	453	504	591	600	603	652	694	691	691	692	602	550	554	605	661	694	692	690	694	693	694	696	695		
TBIN	U003	622	658	694	694	694	681	656	600	556	477	505	504	506	503	438	356	351	352	352	353	403	451	451	454	454	504	585	604	608	656	695	693	694	692	602	557	555	605	657	693	693	694	694	694	694	696	695			
TBIN	U004	935	937	939	934	936	936	941	903	901	902	900	853	853	853	819	803	803	863	862	863	889	924	924	923	923	922	924	926	940	936	938	940	937	935	934	933	934	933	930	933	936	934	936	934	936	934				
Total ST-Coal		10058	10282	10304	10035	10027	9679	9439	9057	8907	8622	8550	8369	8367	8361	7830	7616	7619	7720	7728	7990	8001	8148	8451	8599	8586	8599	8758	9007	9054	9057	9584	9694	9742	9856	9787	9426	9280	9310	9675	10439	10727	10795	10821	10771	10742	10483	10408	10403		
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	0	
CBPS	BLK2	344	356	356	362	346	349	357	359	359	359	361	362	358	358	301	219	223	339	352	358	358	359	360	361	354	359	356	357	359	356	359	356	359	359	358	361	355	355	362	355	363	357	352	352	357	363	361			
EMPP	BLK1	691	710	711	710	685	697	701	712	709	710	709	713	710	709	712	703	711	706	709	699	711	709	711	709	707	712	709	711	709	710	711	710	707	710	703	709	710	708	704	711	710	710	712	703	692	711	710	706		
EMPP	BLK3	692	710	711	710	685	696	703	712	710	711	709	714	710	708	712	703	710	707	709	699	711	708	710	711	709	707	712	708	713	710	710	710	707	710	703	709	710	708	704	710	709	710	711	703	693	711	710	707		
GLGR	GT02	107	107	107	107	107	92	92	93	93	93	93	93	93	93	92	92	92	92	92	92	92	92	92	92	92	92	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107			
GLGR	ST1C	46	46	46	46	46	40	39	39	41	39	39	41	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40			
NPRI	BLK1	496	514	515	514	494	502	505	515	515	516	512	518	517	516	509	440	448	518	520	507	520	521	519	515	517	514	520	519	518	520	520	519	518	521	513	521	521	521	514	518	515	520	521	511	505	522	519	514		
NPRI	BLK2	494	522	527	529	488	500	519	528	527	527	524	532	530	530	523	455	391	445	502	422	503	526	475	440	469	463	443	469	517	528	472	479	526	530	505	529	529	528	504	529	524	530	515	505	498	531	529	524		
PCGP	PGRG	564	602	601	602	558	578	582	600	601	605	593	608	604	603	592	586	602	594	600	581	602	602	599	594	597	593	601	600	603	600	600	602	598	604	586	602	606	603	585	608	591	603	601	582	571	607	601	591		
SPGP	BLK1	719	717	718	717	714	716	717	713	716	716	718	715	717	722	719	717	715	715	715	713	714	712	710	704	705	700	697	701	704	702	700	701	705	706	710	707	708	709	711	709	712	714	717	717	710	715	716	713		
SPGP	BLK2	726	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
TJGS	GT1A	195	205	126	162	121	125	122	124	123	125	123	126	122	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125			
TJGS	GT1B	187	201	119	153	119	116	117	118	118	115	117	116	116	118	121	117	118	119	116	153	190	213	213	213	210	213	213	212	209	213	210	210	210	207	208	207	210	210	210	211	211	211	211	211	210	210	213			
TJGS	ST1C	224	247	188	190	166	166	166	166	163	163	163	163</																																						

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
LPIA	HY01	20	20	20	20	20	19	19	19	19	19	19	19	19	19	19	19	20	20	20	20	20	20	20	20
LPIA	HY02	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	20	20	20	19	19	19	19	19	19
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	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0
PGAU	HY03	20	20	20	20	20	20	20	21	21	21	21	21	21	21	21	21	21	21	20	20	20	21	20	20
PGAU	HY04	20	21	21	21	20	21	21	21	21	21	21	21	22	22	21	21	22	21	21	21	21	20	21	21
SIHY	HY02	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50	50
SIHY	HY03	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50	50
SYPS	HY01	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	25
SYPS	HY03	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	25
SYPS	HY04	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	25
TMGR	HY01	39	42	43	43	-1	-1	-1	-1	-1	43	82	86	44	43	43	42	51	41	43	69	44	42	43	43
TMGR	HY02	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	81	33	33	-1	34	38	40	45	41	40	0	0	0	0	0	0	0	0	0	0	0	2	30	30
TMGR	HY04	82	34	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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	8	8	8	8	7	8	8	8	8	8	8	8	8	8	8	8	8	7	7	8	8	8	8	8
Total Hydro		587	496	339	307	249	224	229	236	230	229	232	275	278	233	218	221	220	219	230	218	221	309	294	292
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	2	4	6	8	12	18	25	28	29	32
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	15	21	28	31	28	38	38	23
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	8	12	16	15	16	27	14	20	29
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	6	12	28	25	34	40	28	18
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	10	9	13	16	25	27	26
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	9	19	22	21	31	38	37	34
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	14	24	25	35	53	69	76	32	18
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	11	13	22	26	18	36	36	39
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	7	10	16	18	13	18	20
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	11	16	19	24	27	20	23	30
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	21	36	30	56	72	73	53	68	63
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	13	20	23	24	34	18	40	48
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	16	21	27	30	32	37	39
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	7	9	9	17	23	20	27	13
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	17	12	28	30	27	22	30	30
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	102	187	246	361	444	512	521	532	516
PCUF	CUFG	27	27	27	27	28	26	27	28	28	28	28	28	28	28	27	26	26	25	26	24	24	24	24	24
PCUF	CUFK	26	25	26	27	25	26	26	27	26	27	28	28	27	26	24	25	25	27	29	27	27	26	26	27
Total Co-Gen		53	52	53	54	53	52	53	55	54	55	55	56	55	54	52	56	54	53	53	55	56	53	54	50
Total Gen		16183	15780	15421	15198	14858	14532	14341	14027	13866	13585	13496	13400	13384	13333	12766	12367	12330	12627	12887	13232	13574	13970	14220	14322
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	31	31	31	31	31	31	30	30	31	31	31	31	30	30	30	30	29	29	31	31	31	31
TIE-PLTG		60	-70	-73	-13	10	-18	31	-60	27	-40	4	-25	-12	32	-20	-29	-53	-6	-54	-15	-80	-90	-13	-35
Interconnection		91	-40	-43	18	42	13	62	-30	58	-10	35	6	20	61	10	2	-22	24	-23	15	-50	-60	17	-5
System Total		16092	15820	15464	15180	14816	14519	14279	14057	13808	13595	13461	13394	13364	13272	12756	12365	12352	12603	12910	13217	13624	14030	14203	14327

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	
SRev ST-Coal		640	441	341	501	519	632	748	939	952	951	947	987	994	1002	1002	1054	1050	1044	1034	983	987	982	938	851	866	863	856	859	852	855	611	497	492	507	503	680	676	680	678	445	233	225	208	258	287	442	459	371
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 CCGT-Gas		373	908	413	336	609	561	518	459	463	459	479	438	454	453	472	695	803	690	508	530	286	190	238	289	259	285	258	240	182	176	235	222	381	362	230	175	161	175	305	223	256	219	317	245	295	165	168	197
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 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
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		374	374	462	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	551	363	363	363	550	550	550	550	550	550	550	550	550	550	363	176	0	275	275	363	363	363	550
Hydro		438	529	423	367	361	386	381	374	380	381	378	335	332	377	392	389	390	383	372	384	381	393	408	410	410	411	406	461	451	426	370	368	371	369	374	366	365	342	450	450	702	800	631	642	645	623	625	471
S.Reserve Total		1825	2252	1639	1754	2039	2129	2197	2322	2345	2341	2354	2310	2330	2382	2416	2688	2793	2667	2464	2447	2204	2115	2134	2100	2085	2109	2071	1923	1848	1820	1766	1637	1794	1788	1657	1771	1752	1747	1983	1481	1367	1244	1431	1420	1590	1593	1615	1589