

Daily System Generation Summary on Sunday

Sunday, April 17, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,027 MW
Distillate	0 MW
Total TNB	2,027 MW
Total IPP	18,357 MW
Total Co-Gen	0 MW
Total System	23,788 MW

Generation Mix

Type	MWh	Percentage
Hydro	8,796	2.56 %
Gas	37,214	10.84 %
Total TNB	46,010	13.40 %
ST-Coal	215,855	62.88 %
LSS	3,843	1.12 %
Gas	75,410	21.97 %
Total IPP	295,108	85.96 %
Co-Gen	1,210	0.35 %
Total Co-Gen	1,210	0.35 %
Total Generation	342,328	99.72 %
PLTG	-278	-0.08 %
HVDC	-697	-0.20 %
Interconnection	-975	-0.28 %
Net Energy	343,303	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:	21:00:00 Hour
Total Set On Bus	17,448 MW
TNB Generation	2,893 MW
IPP Generation	12,952 MW
Spinning Reserve	1,548 MW
Maximum Demand	16,009 MW
Net Energy	343,303 MWH
Load Factor	89.35 %

Fuel Cost

Total Cost:	91,894,159.82 RM
Cost per Unit	25.33 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,041
Hydro	400
Syncon	518
Thermal	292
Total	2,251

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmcsfd)
GLGR	29
TJGS	99
Total TNB	128
CBPS	43
EMPP	197
NPRI	152
PCGP	51
PLPS	58
SPGP	131
Total IPP	631
Total Gas	759
Total Gas Required	759

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	15721	15062	14382	13913	13571	13464	13308	12751	12349	12785	13387	13793	13997	14071	14534	14759	14736	14514	14460	14971	15636	16009	15819	15532

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, May 9, 2022 8:50:12 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	698	697	696	694	696	695	696	696	697	695	697	695	698	697	695	694	695	695	696	695	696	697	696	697	696
JMAH	U002	695	698	695	695	694	694	695	694	695	697	696	695	696	694	696	695	694	696	696	696	694	694	694	696	695
JMHE	U002	980	980	976	930	933	900	904	901	902	901	899	901	848	848	853	845	848	850	850	850	901	902	904	899	900
JMJG	U001	673	672	671	664	645	666	660	666	666	668	664	667	667	667	669	666	669	667	669	668	668	665	667	666	667
JMJG	U002	668	669	673	667	670	668	668	670	663	668	671	672	669	669	672	668	670	670	668	667	672	668	667	674	668
JMJG	U003	662	666	667	668	637	613	634	623	620	639	629	618	623	624	619	622	617	629	590	596	594	596	591	601	594
JMJG	U004	977	978	963	929	902	901	903	902	900	902	901	888	853	855	854	852	855	854	852	854	853	853	870	900	903
JMJG	U005	969	977	930	931	897	899	901	898	903	900	900	880	849	845	854	848	851	854	848	850	854	849	851	887	901
PKLG	U003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PKLG	U004	152	153	152	153	152	151	148	154	150	155	152	153	152	153	151	153	152	208	257	269	271	269	265	270	268
PKLG	U005	269	269	269	269	269	269	267	271	269	268	267	269	269	268	269	268	269	307	394	459	476	458	470	467	466
TBIN	U002	695	692	694	692	695	692	694	693	691	694	696	693	694	693	695	690	692	694	693	693	693	694	692	694	693
TBIN	U003	689	688	689	692	687	690	688	691	689	689	689	691	689	690	689	691	690	689	691	690	691	690	689	691	690
TBIN	U004	936	933	935	932	936	904	904	901	903	902	902	854	852	854	853	855	853	854	853	853	899	901	904	901	904
Total ST-Coal		9063	9072	9010	8916	8813	8742	8763	8758	8755	8768	8763	8721	8562	8556	8568	8469	8556	8574	8533	8635	8767	8932	8952	9002	9042
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
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
CBPS	BLK2	356	360	359	358	358	365	295	230	271	258	228	278	227	219	319	218	222	222	222	225	223	223	218	219	215
EMPP	BLK2	711	715	709	711	711	709	719	708	695	708	670	634	701	606	501	364	409	467	528	558	671	614	666	618	571
EMPP	BLK3	712	715	709	711	711	709	719	708	694	708	671	634	699	606	500	364	410	464	528	558	671	612	666	619	570
GLGR	GT01	107	110	109	109	108	109	108	92	94	93	93	93	92	92	93	93	93	93	93	93	93	94	95	94	92
GLGR	ST1C	46	46	46	46	46	46	46	40	40	41	40	41	40	41	39	41	39	40	40	40	40	40	40	40	40
NPRI	BLK1	518	521	519	521	520	519	526	519	517	520	520	521	520	520	518	433	305	309	310	311	311	446	446	515	508
NPRI	BLK2	516	529	529	530	529	527	533	527	527	529	529	527	524	524	374	320	332	335	334	335	337	335	337	368	509
PCGP	PGRG	263	266	261	266	261	263	275	262	262	261	261	262	262	260	260	261	261	262	262	261	261	260	263	260	261
PLPS	GT11	113	115	116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	GT12	116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	GT13	110	112	112	141	142	142	125	125	125	125	125	124	125	124	125	125	124	125	125	125	124	125	124	125	125
PLPS	ST18	197	132	132	60	60	58	55	57	57	58	57	58	57	57	58	57	57	58	57	58	57	58	57	58	58
SPGP	BLK1	531	423	404	406	402	420	361	362	363	362	362	362	362	361	360	361	361	359	362	361	359	362	361	359	360
SPGP	BLK2	607	470	404	406	417	420	360	362	362	363	361	362	363	361	361	361	362	359	361	360	359	362	362	202	
TJGS	GT1A	231	234	233	233	232	229	194	148	152	150	151	147	149	148	148	148	149	149	151	150	148	149	148	149	150
TJGS	ST1C	121	121	121	121	121	121	111	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83
TJGS	GT2A	226	225	225	183	129	132	122	238	205	149	157	157	158	156	158	159	157	157	157	157	157	157	157	157	157
TJGS	GT2B	217	221	218	175	124	125	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	ST2C	258	258	258	250	199	196	71	129	124	89	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95
Total CCGT-Gas		5956	5573	5464	5227	5070	5083	4782	4653	4530	4509	4434	4328	4509	4264	3889	3582	3455	3575	3706	3769	3995	4013	4121	3894	4004
Total 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
BSIA	HY01	21	21	21	11	11	22	22	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	21	22	22
BSIA	HY03	23	23	23	23	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	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	0
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY04	7	7	7	7	8	8	7	8	7	8	8	8	7	8	8	8	8	8	8	8	8	8	8	8	8
HTRG	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	-1
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	0
HTRG	HY03	4	4	4	4	3	3	3	3	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3

Daily MW Generation on Sunday

		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		3	3	3	3	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

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																									
TIE-PLTG		47	-1	-24	-11	15	-13	-24	26	9	18	17	36	44	-7	-7	24	-6	-6	-45	-20	41	0	24	-64	-58	-44	21	37	9	-45	-7	46	11	16	-12	-65	-44	-28	-48	-41	-79	-62	-81	-35	-51	-28	-26	-13	
Interconnection		18	-31	-54	-41	-16	-42	-53	-3	-21	-11	-12	8	16	-37	-37	-5	-35	-36	-75	-49	12	-28	-3	-93	-87	-74	-9	8	-20	-73	-36	18	-19	-12	-40	-94	-73	-57	-77	-71	-107	-92	-109	-64	-81	-57	-55	-41	
System Total		15721	15341	15062	14689	14382	14217	13913	13674	13571	13573	13464	13298	13308	13110	12751	12327	12349	12575	12785	13006	13387	13653	13793	13914	13997	13941	14071	14465	14534	14779	14759	14718	14736	14613	14514	14458	14460	14507	14971	15216	15636	15972	16009	15970	15819	15644	15532	15264	
SRev ST-Coal		255	246	307	403	495	517	491	504	501	489	496	506	547	554	552	634	558	539	537	530	538	447	429	432	434	428	436	337	252	266	255	249	265	255	267	268	267	269	254	243	184	181	187	179	166	181	179	217	
SRev CCGT-Gas		892	1058	1167	1188	1345	1332	1501	1426	1531	1552	1627	1733	1552	1797	2172	2479	2606	2486	2355	2292	2066	2048	1940	2167	2057	1347	1163	848	911	816	803	706	650	754	803	969	944	1037	1128	1103	825	579	564	604	681	825	961	1132	
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 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 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 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		500	500	588	588	588	588	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	500	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588
Hydro		438	441	486	512	533	349	300	353	347	322	351	351	355	354	351	353	368	356	364	365	365	367	365	358	355	433	426	420	418	345	345	347	346	396	392	369	392	377	491	494	444	414	396	445	543	532	537	444	
S.Reserve Total		2085	2245	2548	2691	2961	2786	2968	2959	3055	3039	3150	3266	3130	3381	3751	4142	4208	4057	3932	3863	3645	3538	3410	3457	3434	2796	2613	2193	2169	2015	1991	1890	1849	1993	2050	2194	2191	2271	2274	2241	1854	1575	1548	1541	1710	1851	1990	2293	