

Daily System Generation Summary on Sunday

Sunday, April 24, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,038 MW
Distillate	0 MW
Total TNB	2,038 MW
Total IPP	19,447 MW
Total Co-Gen	0 MW
Total System	25,764 MW

Generation Mix

Type	MWh	Percentage
Hydro	8,748	2.51 %
Gas	34,113	9.80 %
Total TNB	42,861	12.31 %
ST-Coal	230,211	66.13 %
LSS	4,424	1.27 %
Gas	70,103	20.14 %
Total IPP	304,738	87.53 %
Co-Gen	1,257	0.36 %
Total Co-Gen	1,257	0.36 %
Total Generation	348,856	100.21 %
PLTG	-5	0.00 %
EGAT	5	0.00 %
HVDC	721	0.21 %
Interconnection	721	0.21 %
Net Energy	348,135	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:	21:30:00 Hour
Total Set On Bus	17,781 MW
TNB Generation	2,547 MW
IPP Generation	13,663 MW
Spinning Reserve	1,518 MW
Maximum Demand	16,228 MW
Net Energy	348,135 MWH
Load Factor	89.39 %

Fuel Cost

Total Cost:	86,671,274.75 RM
Cost per Unit	24.84 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,271
Hydro	348
Syncon	559
Thermal	415
Total	2,593

Time	Weather	Temperature
Afternoon	Lightning	32
Morning	Sunny	28

Gas Usage

Station	(mmcsfd)
GLGR	29
TJGS	50
Total TNB	79
CBPS	45
EMPP	190
NPRI	139
PCGP	47
PLPS	46
SPGP	152
Total IPP	620
Total Gas	699
Total Gas Required	699

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	15635	15011	14438	13979	13568	13514	13408	12830	12379	13026	13696	14227	14217	14415	14786	15202	15135	14822	14579	15179	15914	16154	16161	15805

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, May 9, 2022 9:38:27 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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								
JMAH	U002		695	696	698	695	696	694	696	694	697	695	696	694	695	696	693	696	693	696	695	696	694	697	695	695	696	695	696	694	697	698		
JMHE	U001		977	978	980	898	900	847	849	849	848	851	849	849	849	851	853	851	850	853	899	902	901	900	897	902	899	932	951	950	949	949	980	
JMHE	U002		976	975	975	900	901	848	849	851	851	850	851	862	850	850	854	851	850	851	901	902	902	898	898	900	899	953	951	950	950	953	948	981
JMJG	U001		664	664	664	664	680	680	680	680	680	680	680	680	680	668	668	666	669	667	666	667	660	669	667	662	668	667	664	667	666	668	668	
JMJG	U002		676	676	676	676	676	676	676	676	676	676	676	676	676	668	671	668	670	668	667	668	667	660	669	669	667	666	666	666	670	666	671	
JMJG	U003		671	671	671	671	671	671	671	671	671	671	671	671	671	666	666	673	660	667	668	669	658	672	658	662	662	668	674	658	666	666	665	
JMJG	U004		972	972	972	972	900	850	850	850	850	850	850	850	850	853	854	854	854	856	854	853	900	896	898	895	895	900	899	933	948	952	952	976
JMJG	U005		972	972	972	972	900	850	850	850	850	850	850	850	850	853	854	848	852	850	850	853	903	900	901	902	903	905	902	955	950	952	950	948
PKLG	U003		146	147	147	148	147	147	149	148	145	147	147	147	146	148	146	148	148	147	148	146	147	146	149	144	147	145	146	145	146	146	146	
PKLG	U004		153	154	151	154	153	153	155	153	156	155	154	154	155	156	154	154	154	154	153	157	155	155	155	156	154	155	155	156	154	155	207	
TBIN	U001		688	686	687	688	689	691	686	649	650	650	649	648	649	650	498	503	514	601	649	686	687	689	686	691	689	689	689	689	689	689	689	
TBIN	U002		691	691	691	691	691	692	694	651	650	651	651	652	652	651	652	502	501	508	604	653	695	694	692	691	693	692	692	692	694	694	694	
TBIN	U003		692	696	692	687	691	694	685	651	652	652	653	652	652	650	649	499	504	513	607	658	695	689	695	687	693	689	689	689	689	693	693	
TBIN	U004		933	933	936	904	905	876	854	852	856	852	851	852	850	854	853	852	854	852	853	901	902	904	903	902	904	903	933	938	934	938	936	
Total ST-Coal			9906	9911	9912	9720	9600	9369	9344	9225	9232	9230	9226	9237	9230	9015	8467	8481	8514	8928	9076	9304	9550	9593	9556	9574	9557	9578	9576	9765	9804	9804	9799	
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	
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	
CBPS	BLK2		351	358	357	357	365	228	222	220	222	222	222	223	221	222	222	211	222	219	219	222	224	223	223	221	220	222	221	224	226	300		
EMPP	BLK2		704	699	636	696	671	683	665	708	656	660	635	588	580	501	406	432	398	490	422	450	483	553	582	590	600	610	674	707	705	708		
EMPP	BLK3		704	699	636	697	669	684	666	708	657	660	635	589	579	509	406	430	397	491	422	452	483	554	582	591	600	610	673	707	704	707		
GLGR	GT02		109	109	109	109	94	93	93	93	96	95	96	96	95	93	93	94	93	94	93	94	94	93	93	93	93	93	93	93	94	94	93	
GLGR	ST1C		46	46	47	46	41	40	42	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		519	514	523	523	527	507	399	398	399	398	399	399	396	398	391	397	385	365	311	310	308	307	310	307	310	311	391	397	478	515		
NPRI	BLK2		502	497	520	523	527	511	399	335	336	336	335	336	331	336	327	334	321	335	335	306	304	304	304	302	304	302	304	331	338	496	511	
PCGP	PGRG		261	262	261	262	261	263	261	262	260	261	261	262	261	262	261	262	264	263	263	263	261	262	261	261	263	263	265	260	263	262	262	
PLPS	GT12		129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
PLPS	GT13		123	123	124	124	124	125	124	124	125	123	124	125	124	123	124	124	124	124	124	124	123	124	124	124	124	124	124	124	124	124	124	
PLPS	ST18		141	58	58	59	59	60	59	59	60	58	59	59	59	59	60	60	60	60	60	60	60	60	60	60	60	60	59	59	59	58	58	
SPGP	BLK1		723	601	400	400	399	400	502	500	498	500	501	500	501	499	501	499	501	451	448	451	448	449	449	447	447	450	445	448	448	451	449	
SPGP	BLK2		666	657	630	428	400	522	597	536	499	498	497	499	500	499	497	501	497	499	481	449	450	449	450	450	448	453	453	512	424	458	452	
TJGS	GT2A		226	226	226	226	163	160	164	161	161	164	163	163	162	163	163	163	163	162	162	162	162	162	162	162	163	163	164	161	159	162	187	
TJGS	ST2C		120	120	120	120	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	107		
Total CCGT-Gas			5324	4969	4647	4570	4396	4370	4187	4243	4109	4110	4062	3974	3947	3800	3586	3655	3545	3744	3479	3473	3541	3677	3739	3747	3768	3793	3924	4153	4079	4356		
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	0	0	0	0	0	0	
BSIA	HY01		19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	11	
CEND	HY01		7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	8	
CEND	HY02		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8	8	8	8	8	8	8	8	8	7	7	7	7	0	
CEND	HY03		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	8	
CEND	HY04		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7	
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	-1	-1	-1	-1	-1	-1	
HTRG	HY03		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
HTRG	HY04		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
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	37	37	37	37	37	37	37	
LPIA	HY01		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	21	21	21	
LPIA	HY02		19	19	19	19	20	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	
PNOR	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	3	3	3	3	3	3	3	
PGAU	HY03		20	20	21	20	21	21	21	21	21	21	21	21	21	21	21	21	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21	

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		
PGAU	HY04		20	20	20	20	20	20	20	20	20	20	21	20	21	21	21	19	21	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	21	21	20	20	20	20	20	20	20	20	20	20		
SIHY	HY02		50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	50	50	50	50	50	50	50	50	50	50	50	50	
SIHY	HY03		50	50	50	50	50	50	50	0	0	0	0	0	0	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	49	50	50	50	50	50	50	50	50	50	50	50			
SYPS	HY01		25	25	24	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	25	25	25	25	25	25	25	25	25	25	25	25	
SYPS	HY03		25	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	25	25	25	25	25	25	25	25	25	25	25	25	
SYPS	HY04		25	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	25	25	25	25	25	25	25	25	25	25	25	25	
TMGR	HY01		44	40	68	77	84	47	44	55	46	42	43	43	43	42	42	40	47	47	67	42	54	42	42	43	66	70	54	48	76	62	86	47	43	43	43	48	81	50	42	86	85	87	61	54	45	42	64		
TMGR	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	-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		-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	-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	-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	-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		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	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	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			391	387	415	425	434	396	393	229	220	216	217	218	217	248	247	248	243	255	255	335	310	322	310	310	312	335	338	320	302	332	319	342	321	319	319	326	326	399	393	384	530	539	625	636	616	608	607	494	
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	0	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	2	5	6	7	8	10	20	23	24	25	27	21	27	22	19	4	1	3	2	4	11	6	3	1	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	1	7	12	15	12	19	16	28	30	26	20	9	17	7	19	18	27	18	8	4	2	1	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	4	10	13	15	23	21	24	32	31	28	19	27	29	33	26	25	2	2	12	17	10	4	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	3	9	15	23	29	31	22	37	14	14	30	43	40	32	27	10	5	5	10	4	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	5	6	9	14	13	15	26	9	3	4	6	21	30	29	21	18	19	22	13	6	3	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	1	5	10	16	23	33	35	39	43	47	20	41	40	50	46	44	44	6	6	6	13	13	7	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	2	6	10	15	19	23	26	27	27	17	17	17	19	17	7	8	22	20	15	13	7	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	2	9	15	20	27	32	36	32	34	49	45	33	11	36	26	28	36	33	38	5	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	6	13	16	40	48	50	71	84	75	83	53	62	95	95	72	82	18	10	9	20	46	29	15	5	4	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	1	3	12	16	21	25	20	33	40	17	38	47	15	29	26	32	16	31	6	23	11	15	6	1	1	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	2	3	7	11	7	11	25	21	26	11	25	29	15	23	28	26	3	3	4	14	7	5	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	3	12	14	19	23	25	30	30	29	21	30	30	27	5	0	6	5	8	4	3	2	1	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	2	7	14	22	28	33	28	17	50	50	50	50	49	50	47	45	41	37	31	27	21	6	3	0	0	0	0	0	0	0	0	0	0	0	
PKLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	22	32	77	71	90	36	21	3	95	4	72	3	91	100	97	102	21	20	10	10	5	1	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	1	5	10	21	22	32	41	36	46	18	23	52	50	35	47	27	37	28	15	30	17	5	1	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	1	5	10	15	20	23	27	30	26	24	29	33	18	23	14	28	8	5	4	11	12	6	4	1	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	2	4	7	11	16	18	11	11	10	13	10	22	29	29	25	24	19	17	12	9	5	2	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	1	3	6	27	11	25	10	30	30	30	22	30	30	30	30	30	30	10	9	11	16	4	1	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	19	92	181	307	413	478	534	540	583	519	533	542	612	582	615	578	457	368	233	239	228	131	59	10	5	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG		28	28	28	26	26	27	27	26	27	26	28	28	29	27	27	26	26	26	26	27	27	27	26	27	27	26	25	23	25	26	24	25	27	29	28	26	27	25	26	26	27	26	27	26	27	27			
PCUF	CUFK		26	27	25	27	26	25	27	25	26	25	27	25	25	24	26	27	26	26	26	25	27	24	27	26	29	25	25	26	27	24	24	22	24	26	25	25	26	25	27	26	26	26	27	27	26	28	26	28	
Total Co-Gen			54	55	53	53	52	52	54	51	53	51	53	53	51	52	54	56	53	53	52	51	53	50	54	53																									

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 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 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																								
Syncon		676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676																								
Hydro		347	351	323	313	304	342	345	334	343	347	346	345	346	365	366	365	370	358	361	256	281	269	281	281	279	256	253	271	289	259	272	249	290	292	292	423	412	339	345	354	395	573	487	564	584	592	593	431
S.Reserve Total		1894	2106	2321	2582	2859	2948	3169	3218	3354	3361	3408	3496	3527	3688	3994	3986	4092	3894	4153	3985	3798	3591	3497	3526	3487	3449	3301	3089	3008	2658	2544	2383	2426	2474	2633	2957	2842	2561	2497	2341	1845	1630	1588	1518	1587	1753	1920	2131