

Daily System Generation Summary on Sunday

Sunday, March 27, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,927 MW
Distillate	0 MW
Total TNB	1,927 MW
Total IPP	18,199 MW
Total Co-Gen	0 MW
Total System	23,600 MW

Generation Mix

Type	MWh	Percentage
Hydro	10,528	3.07 %
Gas	34,450	10.03 %
Total TNB	44,978	13.10 %
ST-Coal	217,406	63.32 %
ST-Oil	3,600	1.05 %
LSS	4,334	1.26 %
Gas	72,481	21.11 %
Total IPP	297,821	86.75 %
Co-Gen	1,119	0.33 %
Total Co-Gen	1,119	0.33 %
Total Generation	343,918	100.17 %
PLTG	-126	-0.04 %
HVDC	724	0.21 %
Interconnection	598	0.17 %
Net Energy	343,320	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	18,207 MW
TNB Generation	3,007 MW
IPP Generation	13,478 MW
Spinning Reserve	1,674 MW
Maximum Demand	16,472 MW
Net Energy	343,320 MWH
Load Factor	86.84 %

Fuel Cost

Total Cost:	83,790,475.00 RM
Cost per Unit	24.36 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,954
Hydro	429
Syncon	460
Thermal	384
Total	3,227

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	25

Gas Usage

Station	(mmscfd)
GLGR	31
Total TNB	31

CBPS	42
EMPP	151
NPRI	140
PCGP	47
PGLA	48
SGB3	78
Total IPP	506
Total Gas	537

Total Gas Required	574
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Alternate Fuel Usage

Station	(mmscfd)
PKLG	37
Total	37

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	15360	14733	14160	13673	13318	13059	12903	12659	12064	12590	13258	13823	13993	14009	14566	14886	15110	14853	14548	14755	16307	16472	16263	15954

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, April 5, 2022 10:46:42 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	U001	696	695	696	698	695	696	695	696	693	655	607	606	607	607	554	455	454	456	459	509	609	665	699	700	697	694	656	694	696	697	695	696	694	696	696	694	698	693	696	696	696	698	696	695	695	693	696	
JMAH	U002	692	694	700	696	696	694	697	695	693	654	604	606	608	604	555	477	455	457	454	507	601	692	695	697	696	693	657	696	696	695	696	695	696	695	694	697	693	696	696	693	697	695	693	697	695	696	695	693
JMHE	U002	983	978	944	899	901	895	870	850	850	852	853	851	852	849	851	850	851	849	848	850	850	852	852	852	895	900	904	931	929	923	932	924	949	952	950	951	949	952	956	979	981	980	982	981	975	980	982	
JMJG	U001	596	596	632	678	675	632	599	608	606	612	607	607	607	607	607	607	607	604	606	609	604	605	595	598	591	601	607	607	620	616	637	666	674	677	678	673	677	683	676	675	673	676	676	672	677			
JMJG	U002	672	671	670	675	673	621	596	601	596	597	599	596	596	596	595	596	598	596	598	601	596	598	600	598	601	601	612	609	619	621	636	667	678	672	671	678	673	678	672	672	676	676	671	676	676	673	675	
JMJG	U003	635	633	637	651	640	639	600	601	599	592	601	592	595	604	593	595	601	595	604	589	596	605	598	588	591	591	596	609	600	605	622	621	614	601	588	587	598	608	643	645	644	649	651	645	646	680	687	678
JMJG	U004	929	926	927	914	900	896	892	850	850	848	849	851	850	849	848	850	852	851	852	850	847	849	849	882	900	904	903	906	931	933	930	930	930	932	931	930	932	930	932	932	933	941	942	944	938	938	938	938
JMJG	U005	976	970	937	911	900	900	882	851	848	850	852	851	845	848	848	851	847	849	848	847	849	849	851	895	901	899	899	900	927	929	933	929	927	950	951	950	944	947	946	944	974	977	977	974	975	977	977	971
PKLG	U003	277	276	277	277	277	239	208	205	202	147	147	147	149	149	150	148	149	166	178	156	156	203	260	277	277	275	275	272	267	268	268	271	272	264	262	261	232	234	234	232	232	231	233	232	232	232	235	
PKLG	U004	275	275	271	275	275	237	201	202	203	146	154	153	159	157	157	155	162	193	160	157	216	263	271	265	270	271	263	273	274	275	271	269	2															

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																										
HTRG	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7																										
KNRG	HY01	34	34	34	34	34	34	34	34	21	21	21	21	0	0	0	0	0	0	0	0	34	34	34	34	34																									
KNRG	HY02	36	36	36	36	36	36	36	36	25	25	25	25	25	0	0	0	0	0	0	0	37	37	37	36	36																									
KNRG	HY03	35	35	35	35	35	35	35	35	22	22	22	22	22	22	23	22	23	23	23	22	22	21	21	21	35																									
LPIA	HY01	22	22	22	22	22	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	19																									
LPIA	HY02	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	20																									
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	3																									
PGAU	HY03	21	21	21	21	21	21	22	22	22	22	22	21	21	22	22	22	21	21	21	22	22	21	21	21	21																									
PGAU	HY04	21	21	21	21	21	21	21	21	21	22	21	21	22	21	21	21	21	21	21	21	21	21	21	21	21																									
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	47	47	0																									
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	50	50	50	0																									
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	19																										
SYPS	HY01	25	25	25	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	25	25	25	25	25																									
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	25																										
SYPS	HY04	25	25	25	18	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	25	25	25	25	25																									
TMGR	HY01	84	32	33	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	30	32	32	82	82	82																									
TMGR	HY02	86	41	34	35	44	47	46	58	54	60	85	51	48	45	45	43	48	46	57	56	0	0	0	0	86																									
TMGR	HY03	41	41	51	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	32	32	82	82	82																									
TMGR	HY04	31	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	29	31	31	-1	84	84																									
UJLI	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	92																									
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	186	186	99	99																									
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4																									
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4																									
Total Hydro		570	441	445	371	319	328	329	342	338	307	332	297	295	290	268	212	208	215	274	286	275	255	257	255	253	253	254	254	254	254	286	286	300	296	356	364	365	352	404	919	975	1078	1078	983	977	964	982	905		
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				
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	10	14	10	19	22	25	21	27	29	9	25	18	7	25	9	8	19	17	1	1	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	2	6	11	15	20	24	29	31	12	10	31	32	22	7	19	32	31	15	19	16	10	8	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	3	7	12	17	22	25	30	30	31	32	10	8	30	17	32	32	31	28	6	3	2	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	3	8	14	20	25	31	37	27	33	22	19	21	22	23	29	39	8	7	1	1	1	1	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	2	7	12	16	20	25	28	24	28	8	8	9	30	25	27	26	23	0	3	7	7	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	3	9	16	23	30	35	40	28	49	48	50	40	50	49	47	30	15	14	16	12	4	4	2	0	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	2	5	9	15	19	17	24	30	29	22	14	24	13	15	27	8	3	4	16	5	5	2	1	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	1	5	10	12	24	28	33	40	26	48	47	48	48	40	37	44	34	16	33	9	5	4	3	1	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	3	4	10	23	36	49	61	71	82	88	38	95	53	55	95	26	85	82	73	33	12	8	5	5	4	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	3	9	15	21	28	32	35	38	41	41	44	40	48	30	42	36	35	37	26	6	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	10	15	19	14	16	15	22	16	6	27	27	22	23	27	25	17	3	1	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	3	8	12	18	22	26	29	30	27	9	30	30	26	30	4	26	13	5	4	5	6	8	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	1	6	13	20	28	34	38	47	49	50	50	50	50	50	48	45	40	34	28	19	11	4	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	1	4	11	19	26	33	39	28	52	41	46	52	51	24	12	39	44	22	31	17	7	4	2	1	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	3	10	13	20	25	32	36	40	42	43	44	44	44	42	40	35	32	27	12	17	8	6	1	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	1	3	6	11	15	19	21	10	21	17	18	17	14	17	22	9	22	22	18	14	3	5	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	1	7	16	23	16	30	30	30	30	30	30	30	29	30	13	30	30	30	30	30	28	1	1	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	3	10	63	156	250	347	441	517	561	585	552	570	544	511	576	529	492	572	439	389	278	139	82	49	17	5	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	25	24	24	23	23	23	24	23	23	24	25	26	25	24	24	25	23	23	24	20	21	17	17	18	18	19	18	17	19	18	18	17	17	18	18	19	18	20	18	21	20	20	20	19	19	18	19			
PCUF	CUFK	31	28	25	27	26	23	26	26	25	26	25	25	26	25	25	26	25	24	26	26	26	26	26	27	26	26	25	25	23	26	26	26	26	27	26	26	26	27	26	26	28	26	24	25	26	27				
Total Co-Gen		56	52	49	50	49	46	50	49	48	49	50	52	50	49	50	48	49	49	44	47	43	43	44	45	45	44	42	44	41	44	43	43	45	44	45	44	47	44	47	46	48	46	43	44	44	46				
Total Gen		15320	15047	14692	14449	14188	13965	13692	13460	13309	13102	13031	12908	12914	1																																				

Daily MW Generation on Sunday

[illegible]