

Daily System Generation Summary on Sunday

Sunday, April 18, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,249 MW
Distillate	0 MW
Total TNB	2,249 MW
Total IPP	15,564 MW
Total Co-Gen	0 MW
Total System	21,432 MW

Generation Mix

Type	MWh	Percentage
Hydro	14,631	4.42 %
Gas	52,806	15.96 %
Total TNB	67,437	20.38 %
ST-Coal	207,392	62.68 %
LSS	3,402	1.03 %
Gas	50,269	15.19 %
Total IPP	261,063	78.90 %
Co-Gen	174	0.05 %
Total Co-Gen	174	0.05 %
Total Generation	328,674	99.33 %
PLTG	-1,520	-0.46 %
HVDC	-697	-0.21 %
Interconnection	-2,217	-0.67 %
Net Energy	330,891	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:	21:00:00 Hour
Total Set On Bus	16,810 MW
TNB Generation	4,329 MW
IPP Generation	11,434 MW
Spinning Reserve	1,039 MW
Maximum Demand	15,882 MW
Net Energy	330,891 MWH
Load Factor	86.81 %

Fuel Cost

Total Cost:	49,998,305.30 RM
Cost per Unit	15.21 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	613
Hydro	304
Syncon	649
Thermal	184
Total	1,750

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	25

Gas Usage

Station	(mmcsfd)
GLGR	50
SRDG	4
TJGS	171
Total TNB	224
CBPS	48
NPRI	143
PLPS	52
SKSP	5
Total IPP	249
Total Gas	473
Total Gas Required	473

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	14524	13824	13290	12869	12623	12697	12488	11955	11543	12113	12879	13385	13579	13660	14154	14454	14529	14330	14356	14594	15569	15882	15716	15413

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, May 7, 2021 1:52:47 PM

(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		693	693	693	693	692	693	694	692	692	685	706	693	597	601	694	689	692	693	721	712	693	695	712	695	689	690	693	692	692	692	691	692	694	691	692	691	692	692	695	692	691	694	692	693	689	693		
JMAH	U002		696	695	696	694	693	695	697	695	697	696	694	692	608	605	697	692	693	697	697	696	694	693	697	696	696	696	693	694	695	694	696	696	696	694	696	696	696	695	696	697	697	693	695	697	693	695		
JMHE	U002		978	978	979	980	842	850	853	844	851	848	848	851	849	848	850	852	851	849	849	851	852	852	849	901	898	896	903	903	904	899	981	978	950	949	948	950	951	951	950	955	966	984	981	979	980	980	977	979
JMJG	U001		673	669	670	673	669	674	668	670	673	672	672	676	677	671	672	670	671	677	678	685	678	673	677	676	677	676	681	677	678	677	673	681	679	682	676	675	678	675	677	679	674	682	676	675	672	681	677	671
JMJG	U003		666	672	667	666	673	666	673	667	671	667	671	666	667	670	669	663	672	660	677	668	673	676	669	674	677	673	681	677	678	677	676	678	672	671	680	671	672	670	675	678	670	673	677	674	671	677	673	
JMJG	U004		856	854	854	856	854	853	854	854	853	854	854	855	856	855	854	854	853	854	854	853	856	854	854	852	854	854	854	855	854	852	854	853	853	854	857	854	854	853	853	854	854	854	853	853	854	854		
JMJG	U005		887	889	889	888	891	892	850	848	850	851	849	851	852	851	848	852	851	851	849	856	850	848	852	854	888	895	895	892	894	891	892	888	890	892	888	891	888	889	888	888	892	891	888	887	889	890	888	891
PKLG	U003		278	276	276	275	278	275	278	205	148	150	151	151	150	230	277	280	279	281	280	280	283	280	278	281	280	277	280	278	279	278	277	275	275	274	274	273	272	272	275	274	274	277	275	273	273	275	276	275
PKLG	U004		276	276	277	277	276	276	277	197	146	156	154	153	155	267	278	280	277	277	283	278	276	277	277	277	275	277	278	282	281	278	277	277	273	269	270	268	271	272	273	275	273	273	276	282	279	276	276	
PKLG	U006		447	447	452	448	448	448	448	449	450	450	448	447	449	448	447	445	449	450	449	448	445	448	449	449	449	449	448	449	449	450	448	451	449	447	448	449	450	449	448	447	450	450	449	446	449	446		
TBIN	U001		690	691	691	689	691	691	691	693	690	690	688	690	689	691	637	640	699	695	693	694	695	695	695	694	695	695	696	695	694	695	694	695	694	696	694	698	693	696	694	698	693	696	694	692	693	695		
TBIN	U002		692	694	695	690	694	690	694	693	693	694	692	695	693	691	687	649	640	690	696	701	697	699	695	696	701	696	698	697	701	695	694	696	685	702	695	694	700	698	703	700	697	698	699	699	699	695	696	694
TBIN	U004		982	982	982	985	983	908	854	852	851	851	854	854	853	851	852	852	852	853	853	854	853	853	905	905	902	904	904	905	902	954	952	954	953	953	953	953	953	956	981	983	982	982	983	982	983			
Total ST-Coal			8814	8816	8821	8814	8684	8611	8531	8359	8265	8264	8283	8272	8096	8277	8516	8415	8420	8531	8573	8574	8554	8547	8551	8653	8686	8672	8694	8687	8707	8683	8809	8812	8764	8780	8763	8772	8766	8765	8774	8782	8804	8839	8836	8833	8836	8835	8827	8825
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		
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		
CBPS	BLK2		359	281	215	224	214	213	220	222	218	217	224	214	217	210	217	223	224	218	368	361	302	368	358	373	370	370	365	367	363	373	365	370	370	367	373	365	365	372	369	369	369	364	364	364	364			
EMPP	BLK1		236	556	726	742	752	757	757	755	756	755	756	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
GLGR	GT01		67	67	68	67	67	67	68	68	69	67	67	69	68	68	67	68	69	69	68	69	67	67	69	67	68	68	69	107	105	105	104	105	104	104	75	69	67	69	105	105	103	104	104	104	104	104	90	
GLGR	GT02		67	67	67	67	67	67	67	67	67	67	68	67	67	68	67	67	67	67	66	67	67	67	68	67	67	67	105	104	103	104	104	104	103	72	67	66	67	105	103	103	102	102	102	103	103	89		
GLGR	ST1C		72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	73	72	92	94	94	95	94	94	94	81	72	72	72	90	94	94	94	94	93	93	89		
NPRI	BLK1		526	524	494	320	309	315	321	324	323	316	320	316	322	316	316	307	310	325	397	512	526	516	517	515	496	516	515	518	516	515	509	515	516	512	514	516	517	511	515	508	529	521	515	514	511	505	506	511
NPRI	BLK2		519	518	335	335	323	328	332	339	335	377	335	331	336	328	341	323	325	337	359	430	434	523	509	519	500	517	518	520	519	512	521	520	517	517	519	520	514	518	512	526	523	518	516	512	505	510	513	
PCGP	PRGR		596	592	498	263	262	261	262	265	263	262	260	262	261	260	262	262	267	261	399	275	260	262	262	261	262	263	264	262	262	262	262	600	600	603	611	596	600	590	623	607	604	599	592	589	590	594		
PLPS	GT11		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	142	136	133	133	128	128	129	126	126	111	110			
PLPS	GT12		0	0	0	0	0	0	0	0	0	0	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	145	136	133	133	133	128	129	115	115				
PLPS	GT13		123	125	124	125	124	125	128	125	124	125	125	125	125	124	125	125	124	125	125	125	125	125	125	125	125	125	124	124	125	125	125	125	125	125	124	121	122	121	126	123	128	125	126	125	120	122	109	107
PLPS	ST18		79	60	59	59	58	58	58	59	58	58	58	58	58	59	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	204	208	205	205	204	204	196	195			
SKSP	BLK1		235	217	219	219	218	221	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SPGP	BLK1		359	360	359	358	360	358	360	359	358	359	360	358	360	360	359	358	360	359	358	360	357	359	358	360	358	358	361	359	358	359	360	359	359	359	359	360	359	359	359	357	357	358	359	358	359	357	357	
SPGP	BLK2		718	719	719	646	546	361	361	362	362	600	544	361	361	359	449	360	360	362	362	362	451	549	550	519	497	497	498	501	599	596	717	599	645	717	716	720	718	720	718	720	719	718	719	719	720	720	719	719
TJGS	GT1A		196	132	133	134	137	131	137	130	137	136	138	142	134	135	136	135	135	138	134	136	145	177	138	179	212	199	203	228	221	225	224	223	222	224	226	228	226	228	224	231	223	227	226	223	227	227	226	226
TJGS	GT1B		184	123	124	126	123	122</																																										

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	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	62	62	63	63	63
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	125	124	124	63
KNRG	HY01	36	36	36	36	36	36	36	36	36	22	0	0	0	0	0	0	0	0	0	0	0	22	22	22	22
KNRG	HY02	37	37	37	37	37	37	37	37	37	24	0	0	0	0	0	0	0	0	0	0	0	23	23	23	22
KNRG	HY03	36	36	36	36	36	36	36	35	24	24	25	25	24	25	25	25	24	25	25	25	24	26	24	24	24
KNYR	HY01	94	90	62	98	93	92	97	101	98	95	100	95	99	63	66	61	60	100	62	0	0	54	101	100	100
KNYR	HY02	-1	-1	-1	100	99	98	99	99	99	99	98	99	57	89	56	-1	-1	-1	-1	54	-1	-1	60	56	100
KNYR	HY03	-1	-1	-1	100	98	98	100	102	100	99	101	97	99	57	98	-1	-1	-1	-1	-1	55	101	101	100	98
KNYR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	57	62	57	104	101	96	102	57	103	90	61	58	
LPIA	HY01	12	12	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	16	16	16	16	14
LPIA	HY02	12	12	12	12	12	12	12	12	12	12	15	15	15	15	15	15	15	15	12	12	12	18	16	16	16
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	6	6	7	7	7	7
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1
PGAU	HY02	0	0	0	0	0	0	0	0	0	0	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	21	-1	-1	-1
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	20	20	0
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	20	20	0
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	48	48	48	48	48	31
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	30	0	0	0	0
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	49	30	31	31	31	31
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	17	17	17	17	17	17	17
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	17	0	0	0	0	17	17
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	17	0	0	0	17	18	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	17	17	17	17	25	25	25
TMGR	HY01	78	78	41	83	42	61	82	86	65	42	82	41	86	74	45	40	40	86	43	42	84	49	86	51	37
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	60	32	32	32	32
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	61	61	61	61	33	33	33	33
UJLI	HY01	87	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	-1	92	87	92	91	88	-1	-1	-1
UPIA	HY01	4	4	5	5	5	5	5	5	5	4	5	4	4	5	5	5	5	4	4	4	4	4	4	4	4
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
Total Hydro		442	350	289	569	520	537	566	576	550	522	530	433	506	353	422	256	198	290	210	203	368	269	398	357	331
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
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	9	15	18	21	23	24	17	28	10
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	11	15	17	24	26	30	30	28	29	30
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	13	17	18	24	23	16	18	25	26	23
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9	12	18	21	24	22	27	28	30	29	18
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	10	19	25	34	11	40	40	36	44	42
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	13	16	16	21	26	24	27	22	19
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	11	16	18	29	34	39	38	43	40	43
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	14	22	28	23	16	19	32	32	33	38
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	11	16	20	29	31	28	24	34	21	29
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	10	15	19	24	25	20	19	30	30	24
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	15	17	17	21	37	27	48	48	40	49
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	16	21	24	44	38	46	49	52	50	31
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	6	15	20	27	28	31	37	41	45	44
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	6	10	11	11	19	25	29	29	25	24
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	9	15	15	15	15	15	15	15	15	15
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	16	58	145	224	278	347	368	410	452	480	476	452

Daily MW Generation on Sunday

[illegible]