

Daily System Generation Summary on Sunday

Sunday, September 12, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,236 MW
Distillate	0 MW
Total TNB	2,236 MW
Total IPP	18,474 MW
Total Co-Gen	0 MW
Total System	23,987 MW

Generation Mix

Type	MWh	Percentage
Hydro	15,142	4.68 %
Gas	52,739	16.30 %
Total TNB	67,881	20.98 %
ST-Coal	191,167	59.09 %
LSS	3,129	0.97 %
Gas	60,856	18.81 %
Total IPP	255,152	78.87 %
Co-Gen	1,095	0.34 %
Total Co-Gen	1,095	0.34 %
Total Generation	324,128	100.19 %
PLTG	1,303	0.40 %
HVDC	-700	-0.22 %
Interconnection	603	0.19 %
Net Energy	323,525	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:	20:00:00 Hour
Total Set On Bus	16,307 MW
TNB Generation	3,451 MW
IPP Generation	11,623 MW
Spinning Reserve	1,183 MW
Maximum Demand	15,083 MW
Net Energy	323,525 MWH
Load Factor	89.37 %

Fuel Cost

Total Cost:	50,247,165.98 RM
Cost per Unit	15.49 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	320
Hydro	200
Syncon	615
Thermal	692
Total	1,827

Time	Weather	Temperature
Afternoon	Hot	31
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	106
Total TNB	135
CBPS	55
NPRI	162
PGLA	97
Total IPP	313
Total Gas	448
Total Gas Required	448

Alternate Fuel Usage

Station	(mmscfd)
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	14880	14271	13664	13341	12964	12629	12507	12140	11570	12151	12689	13088	13081	13293	13588	13632	13685	13445	13333	13883	15083	14985	14805	14646

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, October 6, 2021 11:09:54 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Sunday

[illegible]

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		19	19	19	19	19	19	19	19	19	16	16	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	17	17	17	17	17	17	17	17	17	17	15	15	15	15	15	26		
LPIA	HY02		18	18	18	18	18	18	18	18	18	18	17	17	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	17	17	17	17	17	17	17	10	18	14	14	0	0
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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
PGAU	HY01		-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	21	-1	-1	-1	-1	-1	-1	-1	-1			
SIHY	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	0	0	0	0	0	0	0	0	0	0	0	0	0	30	48	48	48	31	31	31	31	31	0		
SIHY	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	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	30	30	0	0	0	0			
SIHY	HY03		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	30	30	0	0	0	0			
SYPS	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	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	0	0	0	0			
SYPS	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	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	0	0	0	0			
SYPS	HY03		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	0			
SYPS	HY04		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	0			
TMGR	HY01		-1	-1	-1	-1	82	-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	82	42	42	42	42	49	43	53	62	66	57	65	82	76	42		
TMGR	HY02		45	47	63	44	62	87	78	88	77	41	89	89	86	57	45	45	44	45	44	46	45	44	44	44	42	45	43	43	44	44	44	44	45	45	44	45	54	45	60	63	69	58	68	87	46	45			
TMGR	HY03		41	-1	-1	-1	82	83	-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	83	82	82	82	82	82	-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	90	-1	92	90	-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	93	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	94	94	92	93	-1	-1	-1	-1	-1			
UPIA	HY01		6	6	6	6	6	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		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				
Total Hydro			649	594	590	548	868	684	591	601	586	614	543	485	486	454	442	415	414	451	452	476	564	466	467	418	418	418	469	613	540	563	541	458	542	579	753	622	714	713	619	787	1139	1163	1074	1018	914	832	788	727	638
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		
BDSL	LSS1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	8	10	14	14	17	15	16	27	30	25	26	23	10	7	10	2	1	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	0	0	0	3	5	15	8	13	13	21	3	32	12	25	13	14	28	22	24	32	22	8	5	3	2	1	1	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	0	3	10	20	17	15	29	29	30	24	28	11	6	6	32	32	32	11	2	0	2	3	1	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	0	4	3	8	13	19	41	29	43	42	40	17	43	12	26	43	38	33	28	23	16	9	3	1	0	0	0	0	0	0	0	0		
GBLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	18	22	27	33	30	40	42	42	45	44	47	20	16	29	31	30	18	9	10	7	4	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	0	0	3	9	19	13	35	24	20	31	37	47	48	18	46	44	13	5	7	5	3	2	2	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	0	0	2	4	8	17	11	20	27	24	28	24	48	45	31	49	25	41	33	30	24	9	5	2	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	0	0	4	11	17	21	37	29	29	37	47	30	29	51	16	19	44	44	19	33	7	3	2	2	1	1	0	0	0	0	0	0	0		
KRLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	12	16	16	30	30	30	17	30	9	9	5	11	23	25	16	13	9	8	4	2	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	0	2	7	12	17	29	39	39	45	16	26	41	48	50	50	46	49	42	31	13	0	0	1	2	0	0	0	0	0	0	0	0			
SPLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	12	16	25	29	52	43	51	44	52	52	25	49	21	49	43	33	30	22	9	7	2	0	0	0	0	0	0	0	0		
SSLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	6	14	26	29	32	39	39	45	39	18	28	25	8	7	17	20	27	30	10	8	2	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	0	0	1	4	9	10	8	18	25	29	29	29	15	28	17	8	2	5	6	7	4	4	3	1	3	0	0	0	0	0	0	0	0	0		
TBLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	14	18	30	30	30	30	30	30	16	30	30	30	30	22	30	28	21	9	6	0	0	0	0	0	0	0	0	0		
Total LSS			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	51	106	185	228	318	373	437	412	466	452	429	420	314	383	353	383	322	258	169	100	61	33	5	2	0	0	0	0	0	0	0	0	0
PCUF	CUFG		27	28	29	30	28	30	28	29	29	29	0	0	0	1	4	3	8	9	10	10	8	16	22	23	22	21	20	22	22	19	21	21	21	22	22	16	22	22	22	22	22	24	27	26	28	28	28	28	
PCUF	CUFK		26	26	25	27	25	26	26	26	25	27	26	25	26	27	27	26	26	27	26	25	26	25	26	25	24	25	24	24	24	23	25	25	26	26	26	26	26	26	27	26	27	27	27	25	25				
Total Co-Gen			53	54	54	57	53	56	54	55	54	56	26	25	26	28	31	29	34	36	36	35	34	42	47	47	47	45	44	44	46																				

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-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		738	674	825	825	525	738	825	825	825	699	548	825	825	825	699	699	699	699	548	512	825	825	699	699	699	699	699	825	548	699	699	699	699	425	612	425	425	461	274	338	338	338	338	525	525	612	612	612	612
Hydro		175	254	107	101	81	52	58	48	63	161	258	164	163	195	207	235	236	199	198	325	273	183	182	232	232	181	162	109	238	109	192	108	111	211	155	250	251	309	426	335	311	275	331	248	180	137	171	160	160
S.Reserve Total		1748	1722	1985	2099	1776	1864	1988	1966	2053	2157	2091	2147	2131	2211	2273	2355	2562	2304	2339	2194	2156	2351	2262	2110	2218	2148	2136	2127	1920	1958	2058	1945	1864	1733	1868	1842	1803	1959	1760	1369	1184	1267	1306	1415	1343	1283	1470	1468	1468