

Daily System Generation Summary on Saturday

Saturday, April 3, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,336 MW
Distillate	0 MW
Total TNB	2,336 MW
Total IPP	16,729 MW
Total Co-Gen	0 MW
Total System	23,044 MW

Generation Mix

Type	MWh	Percentage
Hydro	14,840	4.07 %
Gas	59,004	16.17 %
Total TNB	73,844	20.24 %
ST-Coal	224,659	61.58 %
LSS	3,202	0.88 %
Gas	62,237	17.06 %
Total IPP	290,098	79.52 %
Co-Gen	174	0.05 %
Total Co-Gen	174	0.05 %
Total Generation	364,116	99.80 %
PLTG	-23	-0.01 %
HVDC	-693	-0.19 %
Interconnection	-716	-0.20 %
Net Energy	364,832	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:	20:30:00 Hour
Total Set On Bus	18,548 MW
TNB Generation	4,067 MW
IPP Generation	12,851 MW
Spinning Reserve	1,623 MW
Maximum Demand	16,944 MW
Net Energy	364,832 MWH
Load Factor	89.72 %

Fuel Cost

Total Cost:	43,377,733.81 RM
Cost per Unit	11.91 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	378
Hydro	283
Syncon	775
Thermal	188
Total	1,624

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmcsfd)
GLGR	54
TJGS	195
Total TNB	249
CBPS	54
KLPP	4
NPRI	161
PGLA	51
PLPS	3
YPKA	4
Total IPP	277
Total Gas	525
Total Gas Required	525

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	15905	15309	14807	14304	13930	13583	13553	13358	13182	14125	14863	15366	15296	15100	15623	15973	16150	16051	15600	15676	16925	16866	16612	16502

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, May 7, 2021 1:41:13 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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Daily MW Generation on Saturday

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	
BSIA	HY02	22	12	12	11	11	11	11	11	12	11	12	11	12	11	11	12	11	12	23	23	23	23	23	23	23
BSIA	HY03	23	12	12	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	22	21	21	22	22
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	10	10	10	10	10	10	10	10	10
CEND	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	10	10	10	10	10	10	10	10	10
CEND	HY03	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	HY04	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	8	8	8	8	8	8	8
HTRG	HY01	63	-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	124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY01	35	23	22	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	35	35	35	35	35
KNRG	HY02	36	26	24	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	36	36	36	36	36
KNRG	HY03	35	28	22	22	23	23	22	23	24	23	24	23	23	23	23	23	24	24	37	36	36	36	36	35	35
KNYR	HY01	95	61	62	57	99	97	97	97	98	99	98	100	100	101	99	55	60	99	61	63	63	97	101	64	57
KNYR	HY02	96	-1	64	59	100	99	99	99	99	101	99	102	102	102	101	-1	-1	-1	63	99	99	102	102	100	52
KNYR	HY03	96	63	63	99	100	98	98	98	99	100	99	102	101	102	100	55	59	99	57	99	99	102	103	100	47
KNYR	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
LPIA	HY01	16	16	16	16	16	16	16	16	16	16	16	16	16	15	15	15	15	15	15	15	15	14	14	14	14
LPIA	HY02	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
MNOR	HY01	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2
PGAU	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
PGAU	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
PGAU	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
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
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
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
TMGR	HY02	44	91	91	73	46	45	44	44	46	47	46	92	45	91	48	45	92	71	47	46	46	81	92	46	44
TMGR	HY03	81	31	85	85	30	29	30	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY04	81	31	86	86	-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
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
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	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	5	5	5	5	5	5	5	5
Total Hydro		928	463	629	633	482	476	476	444	449	456	449	505	476	505	455	281	318	375	334	445	479	640	804	783	576
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	0	0	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	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	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	0	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	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	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	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	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	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	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	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	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	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	0	0	0	0	0	0	0	0	0	0	0	0

Daily MW Generation on Saturday

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																								
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	3	41	94	166	190	282	321	339	392	395	381	438	444	427	380	424	431	347	284	237	193	116	64	21	2	0	0	0	0	0	0	0	0			
PCUF	CUFG	4	5	4	4	3	3	3	3	3	3	4	3	4	5	4	5	3	5	5	5	5	6	5	5	3	6	4	4	5	5	5	5	3	5	4	5	5	4	4	4	4	3	1	2	2			
PCUF	CUFK	5	3	4	3	3	2	3	3	3	3	4	4	4	4	1	4	4	1	4	3	4	3	5	3	5	3	4	4	1	4	2	3	2	4	3	4	1	3	5	3	3	3	2	3	4	3	1	
Total Co-Gen		9	8	8	7	6	5	6	6	6	6	8	7	8	8	4	9	8	6	7	8	9	8	10	8	11	10	8	7	10	5	8	7	8	7	9	6	9	5	8	10	7	7	7	6	6	5	5	3
Total Gen		15906	15317	15192	14976	14763	14426	14240	14002	13883	13634	13508	13506	13482	13527	13378	13093	13086	13681	14048	14477	14757	15047	15292	15524	15294	15151	15140	15364	15581	15914	16007	16118	16093	16137	16011	15724	15581	15459	15652	16614	16944	16925	16889	16779	16603	16522	16484	16274
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
TIE-HVDC		-30	-30	-28	-28	-29	-29	-29	-29	-29	-29	-29	-28	-28	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-30	-30	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29			
TIE-PLTG		42	-48	-78	-20	-5	-6	-26	-20	-7	-45	-34	-12	-33	-41	60	-27	-57	52	-37	36	-67	-55	-36	0	34	-2	76	-35	-5	23	71	22	-23	-59	-4	59	16	72	12	-7	54	16	58	9	27	-16	18	3
Interconnection		12	-78	-106	-49	-34	-35	-54	-48	-36	-74	-64	-42	-61	-69	30	-57	-86	23	-67	7	-96	-84	-64	-29	5	-31	47	-64	-34	-6	42	-6	-51	-88	-34	29	-12	43	-17	-36	26	-12	30	-20	-2	-45	-11	-26
System Total		15905	15406	15309	15036	14807	14471	14304	14060	13930	13719	13583	13559	13553	13606	13358	13160	13182	13668	14125	14480	14863	15141	15366	15563	15296	15189	15100	15435	15623	15928	15973	16132	16150	16231	16051	15701	15600	15423	15676	16657	16925	16944	16866	16806	16612	16574	16502	16307
SRev ST-Coal		109	125	132	134	126	133	128	250	277	299	346	398	371	385	375	356	397	406	384	252	208	220	202	220	150	170	157	156	152	203	121	131	114	64	107	184	189	224	155	213	141	195	227	179	197	232	444	393
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		
SRev CCGT-Gas		1166	1273	1557	1341	1267	1510	1484	1438	1535	1768	1776	1755	1773	1748	1849	1992	1976	657	247	184	159	158	115	138	505	679	689	486	403	467	428	398	303	282	234	434	477	579	579	252	396	433	423	410	548	652	500	716
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	
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	
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	
Syncon		676	903	802	802	889	889	889	976	976	976	976	976	976	926	1077	1077	976	889	802	525	525	525	802	802	889	889	1077	1077	990	839	839	601	601	752	752	903	903	651	302	489	676	802	802	802	802	802		
Hydro		183	296	231	227	164	170	170	115	109	102	109	53	234	54	104	328	140	83	225	201	254	370	331	480	505	317	301	239	190	43	107	174	233	344	432	344	297	243	306	229	610	507	266	161	156	92	70	115
S.Reserve Total		2134	2597	2722	2504	2446	2702	2671	2779	2897	3145	3207	3182	3203	3163	3304	3602	3590	2223	1832	1526	1423	1273	1173	1363	1962	1968	2036	1770	1822	1790	1646	1542	1489	1291	1374	1714	1715	1949	1943	1345	1449	1624	1592	1552	1703	1778	1816	2026