

Daily System Generation Summary on Thursday

Thursday, July 15, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,252 MW
Distillate	0 MW
Total TNB	2,252 MW
Total IPP	18,009 MW
Total Co-Gen	0 MW
Total System	23,910 MW

Generation Mix

Type	MWh	Percentage
Hydro	17,653	5.69 %
Gas	65,872	21.22 %
Total TNB	83,525	26.91 %
ST-Coal	175,763	56.62 %
LSS	3,448	1.11 %
Gas	46,416	14.95 %
Total IPP	225,627	72.68 %
Co-Gen	158	0.05 %
Total Co-Gen	158	0.05 %
Total Generation	309,310	99.64 %
PLTG	-422	-0.14 %
HVDC	-693	-0.22 %
Interconnection	-1,115	-0.36 %
Net Energy	310,425	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	15,618 MW
TNB Generation	4,399 MW
IPP Generation	10,201 MW
Spinning Reserve	1,009 MW
Maximum Demand	14,618 MW
Net Energy	310,425 MWH
Load Factor	88.48 %

Fuel Cost

Total Cost:	47,415,517.34 RM
Cost per Unit	15.32 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	172
Hydro	273
Syncon	539
Thermal	608
Total	1,592

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
SRDG	6
TJGS	207
Total TNB	214
CBPS	19
NPRI	149
SKSP	34
Total IPP	203
Total Gas	416
Total Gas Required	416

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	12788	12244	11831	11481	11192	11024	11098	11201	11298	12417	12877	13206	13305	13296	13679	14063	14146	14079	13463	13442	14618	14581	14356	14265

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, August 5, 2021 10:50:24 PM Head
Grid System Operator
(Ir. Shanmugam Thoppalan)

Daily MW Generation on Thursday

[illegible]

Daily MW Generation on Thursday

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	HY02	19	19	17	17	17	17	17	17	17	17	17	17	17	17	17	16	16	16	16	16	16	16	16	16
MNOR	HY01	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	4	4	4	4
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	21	-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	0
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	47	31	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	30	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	30	0
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	0	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	0	17	17	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	0	0
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	33	84	84	84
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	30	82	82	82
TMGR	HY04	41	84	82	39	41	38	83	38	55	83	40	52	62	59	56	38	81	47	60	38	85	86	85	82
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	147	147	-1
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	97	99	94
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
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
Total Hydro		528	573	567	497	498	491	565	491	510	567	494	510	526	533	527	410	572	557	581	666	671	668	670	657
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
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	6	10	19	13	17	20	22	23	22
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	1	1	5	11	16	14	16	12	13	23	20	15	26
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	2	8	13	15	24	20	15	13	16	20	22	16	21
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	2	8	15	21	27	30	34	36	38	41	41	39	38
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	1	4	7	12	22	31	22	17	36	32	37	37	38
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	4	6	13	16	12	14	22	30	26	28	25	27	30
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	2	6	8	24	22	25	27	32	30	27	25	31	25
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	1	5	11	10	20	29	36	29	41	42	45	46	45
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	2	7	16	18	27	37	24	16	23	24	28	21	26
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	4	3	4	6	11	24	27	18	27	30	30	28	18
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	2	5	10	17	20	14	16	23	34	43	50	50	47
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	3	6	20	20	27	35	38	41	48	52	51	45	52
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	1	2	3	5	6	12	15	20	18	24	20	21	28
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	1	2	6	7	9	14	12	17	22	24	21	22	23
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	2	4	13	16	10	18	30	30	30	30	30	30	30
Total LSS		0	0	0	0	0	0	0	0	0	0	0	8	41	92	170	237	288	345	347	395	446	471	464	462
PCUF	CUFG	4	4	3	3	4	4	3	2	3	2	3	4	3	3	2	4	3	3	2	4	3	4	4	3
PCUF	CUFK	3	3	3	2	3	4	3	2	4	3	3	4	4	3	3	1	2	3	3	2	3	3	4	4
Total Co-Gen		7	7	6	5	7	8	6	4	7	5	6	8	9	6	7	5	7	8	6	6	6	6	6	5
Total Gen		12710	12397	12125	11940	11762	11543	11395	11238	11131	11075	10979	10998	11032	11113	11136	11032	11224	11901	12337	12573	12835	13049	13070	13239
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
TIE-HVDC		-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-45	-73	-87	-40	-36	-71	-53	-4	-28	-53	-12	-22	-33	-11	-32	-8	-42	-40	-48	-38	-9	-54	-103	-59
Interconnection		-74	-102	-115	-69	-65	-99	-82	-33	-57	-82	-41	-51	-62	-40	-61	-37	-70	-68	-76	-66	-38	-84	-132	-88
System Total		12788	12503	12244	12013	11831	11646	11481	11275	11192	11161	11024	11053	11098	11157	11201	11073	11298	11973	12417	12643	12877	13137	13206	13331
SRev ST-Coal		752	804	755	788	829	885	881	882	883	882	881	882	883	880	885	883	884	887	818	792	796	795	798	780
SRev CCGT-Gas		130	113	132	136	130	237	294	335	481	602	620	542	532	448	506	578	539	284	336	282	202	214	202	98
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

Daily MW Generation on Thursday

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0