

Daily System Generation Summary on Monday

Monday, April 5, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,267 MW
Distillate	0 MW
Total TNB	2,267 MW
Total IPP	17,424 MW
Total Co-Gen	0 MW
Total System	23,670 MW

Generation Mix

Type	MWh	Percentage
Hydro	13,030	3.45 %
Gas	60,553	16.03 %
Total TNB	73,583	19.47 %
ST-Coal	231,667	61.31 %
LSS	2,484	0.66 %
Gas	70,212	18.58 %
Total IPP	304,363	80.55 %
Co-Gen	189	0.05 %
Total Co-Gen	189	0.05 %
Total Generation	378,135	100.07 %
PLTG	-382	-0.10 %
HVDC	662	0.18 %
Interconnection	280	0.07 %
Net Energy	377,855	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:	14:30:00 Hour
Total Set On Bus	19,468 MW
TNB Generation	3,661 MW
IPP Generation	14,294 MW
Spinning Reserve	1,507 MW
Maximum Demand	17,911 MW
Net Energy	377,855 MWH
Load Factor	87.90 %

Fuel Cost

Total Cost:	45,099,320.33 RM
Cost per Unit	11.92 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	421
Hydro	313
Syncon	701
Thermal	218
Total	1,653

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	51
TJGS	163
Total TNB	215
CBPS	48
NPRI	161
PGLA	63
PLPS	59
Total IPP	331
Total Gas	546
Total Gas Required	546

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	15513	14686	14169	13785	13361	13111	13320	13256	13858	15836	16775	17391	17316	17108	17651	17852	17710	17116	15986	15864	16677	16730	16358	16035

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, May 7, 2021 1:42:48 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Monday

[illegible]

Daily MW Generation on Monday

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		
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9		
CEND	HY03	10	10	10	10	10	9	10	10	9	9	9	10	10	9	10	10	9	9	9	9	9	9	9	9		
CEND	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		
HTRG	HY01	62	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	63	125	125	124	63	-1	-1	-1	-1	-1	
HTRG	HY02	63	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
KNRG	HY01	22	22	14	0	0	0	0	0	0	0	0	0	36	36	36	35	35	35	36	35	35	33	0	0	0	
KNRG	HY02	24	23	23	0	0	0	0	0	0	0	0	0	0	0	0	24	23	36	36	20	20	21	21	21	21	
KNRG	HY03	23	23	23	24	25	25	24	25	25	25	24	25	24	23	36	36	35	35	35	21	22	22	22	22	22	
KNYR	HY01	99	101	101	102	77	101	87	98	96	86	100	101	101	102	97	99	99	98	102	100	102	100	100	57	57	
KNYR	HY02	99	101	101	101	80	82	81	80	82	82	80	82	81	83	77	79	79	79	83	81	83	81	81	78	78	
KNYR	HY03	97	99	100	100	99	102	101	99	102	101	100	101	101	102	97	99	99	99	103	101	102	101	100	57	57	
KNYR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	20	17		
LPIA	HY01	15	15	15	15	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	
LPIA	HY02	15	15	14	14	15	14	15	15	15	15	14	15	14	15	15	15	15	15	15	15	15	14	14	14	14	
MNOR	HY01	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	
PGAU	HY01	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	20	-1	-1	-1	19	-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	20	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	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	33	33	64	63	83	1	83	1	
TMGR	HY02	52	44	46	45	62	89	67	86	79	65	68	82	56	88	42	81	49	44	88	89	89	45	48	45	44	
TMGR	HY03	32	32	32	32	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	50	51	51	51	32	31	-1	-1	-1	-1	
TMGR	HY04	33	32	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	51	51	51	51	33	31	32	33	33	33	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	89	-1	-1	-1	-1	-1	-1	-1	-1	-1	
UJLI	HY02	94	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	95	91	94	-1	-1	-1	-1	-1	-1	
UPIA	HY01	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	
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	4	5	5	5	4	5	5	5	
Total Hydro		858	676	573	485	445	476	439	467	462	437	469	469	440	478	435	483	428	569	561	817	951	897	925	669	550	
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	2	7	9	13	15	19	22	23	27	25	28	
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	10	15	20	21	25	29	29	29	29	29	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	5	12	17	19	18	24	28	25	26	30	30	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	10	18	25	24	32	33	34	46	41	5	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	6	4	7	9	10	8	4	5	7	18	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	2	5	9	13	9	11	21	15	16	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	10	14	23	24	31	34	41	41	37	47	50	
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	11	21	28	25	34	43	47	28	37	14	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	14	21	22	23	28	35	23	41	33	43	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	10	17	20	26	23	30	30	30	30	30	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	2	1	2	7	26	35	24	33	34	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	16	14	17	20	29	38	41	52	4	10	
SSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	10	16	18	26	12	31	37	42	39	34	44	
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	2	7	17	20	28	22	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	5	42	97	149	202	228	266	333	395	410	379	343	
PCUF	CUFG	5	5	4	5	5	5	5	5	5	4	5	5	5	4	4	5	4	5	3	4	6	5	4	4	5	4
PCUF	CUFK	2	4	3	4	5	3	4	3	3	3	2	3	3	4	5	3	4	3	4	2	3	4	4	3	2	3
Total Co-Gen		7	9	7	9	10	8	9	8	8	7	7	7	8	8	9	10	7	9	8	8	8	6	6	10	9	7
Total Gen		15487	15057	14765	14446	14148	13925	13778	13473	13348	13241	13123	13181	13301	13499	13313	13320	13908	15070	15803	16356	16773	17155	17405	17575	17370	17257

Daily MW Generation on Monday

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