

Daily System Generation Summary on Monday

Monday, December 13, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,522 MW
Distillate	0 MW
Total TNB	2,522 MW
Total IPP	16,430 MW
Total Co-Gen	0 MW
Total System	21,795 MW

Generation Mix

Type	MWh	Percentage
Hydro	10,775	3.02 %
Gas	39,299	11.00 %
Total TNB	50,074	14.02 %
ST-Coal	222,239	62.22 %
LSS	2,871	0.80 %
Gas	81,333	22.77 %
Total IPP	306,443	85.79 %
Co-Gen	1,295	0.36 %
Total Co-Gen	1,295	0.36 %
Total Generation	357,812	100.18 %
PLTG	-94	-0.03 %
HVDC	725	0.20 %
Interconnection	631	0.18 %
Net Energy	357,181	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:	16:30:00 Hour
Total Set On Bus	18,290 MW
TNB Generation	2,631 MW
IPP Generation	14,409 MW
Spinning Reserve	1,195 MW
Maximum Demand	17,102 MW
Net Energy	357,181 MWH
Load Factor	87.02 %

Fuel Cost

Total Cost:	76,896,401.76 RM
Cost per Unit	21.48 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	176
Hydro	362
Syncon	722
Thermal	276
Total	1,536

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	24

Gas Usage

Station	(mmcsfd)
GLGR	49
TJGS	110

Total TNB 158

CBPS	55
KLPP	19
NPRI	162
PGLA	96
PLPS	81

Total IPP 413

Total Gas 571

Total Gas Required 571

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	14168	13520	12964	12566	12235	12094	12260	12464	13167	14913	15837	16342	16268	16165	16576	16851	17082	16728	15762	15818	16309	16060	15461	15239

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, January 3, 2022 12:42:38 PM Head
Grid System Operator

(Ir. Shanmugam Thoppalan)

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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				
HTRG	HY03	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3		
HTRG	HY04	3	3	3	3	3	3	4	4	4	4	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		
KNRG	HY01	22	26	26	26	25	26	25	25	26	26	26	26	26	25	25	26	25	0	0	0	0	0	0	34	34	22	22	22	22	35	35	35	35	35	35	35	35	35	34	34	34	34	34	34	34	34	34	34	34	34	
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	20	20	20	21	21	20	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	
KNRG	HY03	21	27	27	27	26	26	26	26	26	27	27	27	27	26	26	27	26	0	0	0	0	0	0	35	35	21	22	22	21	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
KNYR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	61	59	59	61	61	59	58	55	-1	-1	-1	60	59	61	61	61	61	61	0	0	59	58	58	0	0	59	58	58	0	0	0	0	0	0
KNYR	HY02	61	59	70	70	60	61	60	58	58	86	62	62	86	59	58	73	56	92	65	60	61	61	76	61	59	56	57	66	58	63	62	62	62	62	62	62	55	55	56	61	-1	-1	-1	16	61	61	62	-1	-1		
KNYR	HY03	55	54	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	51	52	52	51	-1	-1	-1	-1	-1	-1	52	53	53	53	52	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	51	-1	-1	-1	-1		
KNYR	HY04	99	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	60	58	0	0	0	0	62	60	79	63	66	64	62	55	55	56	62	61	61	66	70	84	95	66	63	63			
LPIA	HY01	21	21	21	21	21	21	21	21	21	17	19	19	19	19	20	21	21	21	21	21	21	21	21	21	21	21	21	21	20	20	20	20	20	20	20	20	20	22	22	22	21	21	20	19	19	19	19	19			
LPIA	HY02	20	20	20	20	20	20	20	20	17	19	19	19	19	19	21	21	21	21	21	21	21	21	21	21	21	20	20	21	21	21	21	21	21	21	21	21	21	21	21	22	22	21	21	20	21	20	20	20			
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Daily MW Generation on Monday

[illegible]