

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,497 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,497 MW</b>
<b>Total IPP</b>	<b>16,094 MW</b>
Total Co-Gen	0 MW
<b>Total System</b>	<b>21,158 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	24,800	6.79 %
Gas	46,147	12.63 %
<b>Total TNB</b>	<b>70,947</b>	<b>19.42 %</b>
ST-Coal	219,637	60.10 %
LSS	2,044	0.56 %
Gas	71,146	19.47 %
<b>Total IPP</b>	<b>292,827</b>	<b>80.13 %</b>
Co-Gen	1,206	0.33 %
<b>Total Co-Gen</b>	<b>1,206</b>	<b>0.33 %</b>
<b>Total Generation</b>	<b>364,980</b>	<b>99.88 %</b>
PLTG	-443	-0.12 %
<b>Interconnection</b>	<b>-443</b>	<b>-0.12 %</b>
<b>Net Energy</b>	<b>365,423</b>	<b>100.00 %</b>

### 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	18,629 MW
TNB Generation	3,619 MW
IPP Generation	13,464 MW
Spinning Reserve	1,497 MW
Maximum Demand	17,182 MW
Net Energy	365,423 MWH
Load Factor	88.62 %

### Fuel Cost

Total Cost:	75,089,647.27 RM
Cost per Unit	20.56 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	649
Hydro	469
Syncon	376
Thermal	180
<b>Total</b>	<b>1,674</b>

### Time Weather Temperature

Afternoon	Rainy	25
Morning	Sunny	25

### Gas Usage

Station	(mmscfd)
GLGR	38
TJGS	168
<b>Total TNB</b>	<b>206</b>
CBPS	51
KLPP	61
NPRI	161
PGLA	48
PLPS	59
SKSP	19
<b>Total IPP</b>	<b>399</b>
<b>Total Gas</b>	<b>605</b>

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</b>

**Total Gas Required 605**

### 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	14967	14413	13838	13420	13154	12953	13031	13118	13702	15562	16479	17044	16991	16718	16930	17037	16968	16431	15683	15907	16020	15606	14962	14650

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, November 3, 2021 1:15:40 PM  
 (Ir. Shanmugam Thoppalan)  
 Head  
 Grid System Operator



**Daily MW Generation on Wednesday**

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	HY01	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY02	10	10	10	10	9	10	10	9	9	10	10	10	9	9	9	9	8	8	8	8	8	8	8	8
CEND	HY03	9	9	9	9	10	10	10	10	10	10	10	10	9	9	9	8	8	8	8	8	9	8	8	8
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	
HTRG	HY01	63	124	125	63	63	63	63	63	63	63	63	63	63	63	63	63	62	63	63	63	63	63	63	63
HTRG	HY02	0	63	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	63	63	63	63	63	121	121	63	-1	-1	-1
KNRG	HY01	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	34	34	34	34	34	34
KNRG	HY02	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
KNRG	HY03	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
KNYR	HY01	97	98	99	93	93	93	93	92	93	92	92	92	92	92	92	92	92	92	92	92	92	97	97	97
KNYR	HY02	99	101	101	0	94	94	94	94	94	94	94	94	94	94	94	94	94	103	103	103	103	103	103	103
KNYR	HY03	98	98	98	99	98	98	98	98	98	98	98	98	98	98	98	95	97	97	98	98	98	98	97	98
KNYR	HY04	98	100	100	100	99	99	100	100	99	99	99	100	100	100	99	96	99	99	99	99	99	99	99	99
LPIA	HY01	18	18	18	18	18	18	17	17	17	17	17	17	16	18	19	21	21	21	21	21	21	21	21	21
LPIA	HY02	19	19	19	19	19	18	18	17	17	17	17	17	16	18	19	19	19	19	19	20	20	20	20	20
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
PGAU	HY01	-1	-1	-1	-1	21	-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
PGAU	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
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
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
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
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
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
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
TMGR	HY01	41	43	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	42	42	42	62	62	34	80	80	80	34
TMGR	HY02	42	46	44	44	42	52	43	57	47	42	44	44	50	66	47	45	87	48	45	44	43	47	44	44
TMGR	HY03	30	32	32	32	31	32	32	32	31	32	32	32	32	32	82	32	82	33	32	40	40	60	60	60
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	41	41	41	61	61	33	82	82
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	95	88	-1	-1	-1	-1	-1
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	98	94	90	-1	-1	-1	-1
UPIA	HY01	5	5	5	5	4	4	4	5	5	5	5	4	4	4	4	4	4	4	4	5	5	5	5	5
UPIA	HY02	5	5	5	5	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
<b>Total Hydro</b>		<b>822</b>	<b>959</b>	<b>851</b>	<b>682</b>	<b>790</b>	<b>780</b>	<b>718</b>	<b>730</b>	<b>725</b>	<b>726</b>	<b>727</b>	<b>734</b>	<b>863</b>	<b>804</b>	<b>723</b>	<b>770</b>	<b>888</b>	<b>891</b>	<b>1006</b>	<b>1065</b>	<b>1189</b>	<b>1201</b>	<b>1789</b>	<b>1605</b>
<b>Total Distillate</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
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
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
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
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
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
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
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
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
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
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
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
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

