

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,222 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,222 MW</b>
<b>Total IPP</b>	<b>18,155 MW</b>
Total Co-Gen	0 MW
<b>Total System</b>	<b>23,070 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	22,294	5.78 %
Gas	43,894	11.37 %
<b>Total TNB</b>	<b>66,188</b>	<b>17.15 %</b>
ST-Coal	259,627	67.27 %
LSS	3,957	1.03 %
Gas	55,624	14.41 %
<b>Total IPP</b>	<b>319,208</b>	<b>82.70 %</b>
Co-Gen	1,225	0.32 %
<b>Total Co-Gen</b>	<b>1,225</b>	<b>0.32 %</b>
<b>Total Generation</b>	<b>386,621</b>	<b>100.17 %</b>
PLTG	1,356	0.35 %
HVDC	-700	-0.18 %
<b>Interconnection</b>	<b>656</b>	<b>0.17 %</b>
<b>Net Energy</b>	<b>385,965</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:	16:30:00 Hour
Total Set On Bus	19,395 MW
TNB Generation	3,821 MW
IPP Generation	14,360 MW
Spinning Reserve	1,165 MW
Maximum Demand	18,167 MW
Net Energy	385,965 MWH
Load Factor	88.52 %

### Fuel Cost

Total Cost:	82,508,555.23 RM
Cost per Unit	21.34 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	771
Hydro	319
Syncon	367
Thermal	292
<b>Total</b>	<b>1,749</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	26

### Gas Usage

Station	(mmscfd)
GLGR	49
TJGS	168
<b>Total TNB</b>	<b>217</b>
CBPS	44
KLPP	38
NPRI	142
PGLA	49
PLPS	38
<b>Total IPP</b>	<b>311</b>
<b>Total Gas</b>	<b>528</b>
<b>Total Gas Required</b>	<b>528</b>

### Alternate Fuel Usage

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

### 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	16306	15615	14992	14614	14123	13725	13773	13507	13738	15462	16256	16727	16969	16710	17252	17835	18123	17865	16624	16629	17569	17375	17058	16749

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, November 3, 2021 1:12:00 PM

(Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator



### Daily MW Generation on Friday

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	HY03	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	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	124	124	125	125	125	125	62	125	125	83	63	63	63	63	62	62	63	63	124	124	125	125	125	124
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	34	34	34	34	34	21	21	21
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	35	35	35	35	35	35	35	35
KNRG	HY03	22	22	36	36	36	36	36	36	36	36	36	36	36	36	34	34	34	34	34	34	20	21	21	34
KNYR	HY01	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	98	97	60	63
KNYR	HY02	99	99	100	100	100	102	99	99	102	102	102	100	101	101	97	57	98	100	97	100	100	101	101	101
KNYR	HY03	99	99	99	99	100	99	99	99	99	99	99	99	99	99	99	99	99	99	98	98	98	97	96	59
KNYR	HY04	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	98	97	100	100	100
LPIA	HY01	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
LPIA	HY02	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
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	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	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	0	0
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	0
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	0	0	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	62	80	80	80	80	33	34	33	80
TMGR	HY02	43	42	82	84	82	47	49	43	87	61	88	50	87	81	41	79	65	87	59	83	86	86	85	85
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	80	80	80	32
TMGR	HY04	31	31	31	31	31	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	61	81	81	81	81	81	81	81	81
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	97	99	100	98	98
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
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		706	706	773	775	774	708	707	638	748	722	749	667	686	740	523	482	632	660	623	656	801	939	1035	1036
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	0	2	2	9	12	16	19	22	23	25	26	27
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	9	13	19	23	16	32	32	32	24	31
BLSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	10	20	23	27	30	32	33	23	32
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	14	19	27	31	36	36	43	44	46
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	17	23	26	32	37	40	44	43	47
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	9	13	16	20	23	26	28	27	29
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	9	22	22	23	39	35	38	46	50
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	14	28	35	35	44	45	39	50	46
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	10	18	25	30	36	36	37	45	43
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	9	16	20	23	28	30	30	30	18
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	9	10	18	31	26	45	47	43	46	46
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	10	18	27	36	41	47	51	52	52	52
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	14	20	19	31	35	39	41	34	44
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	6	12	17	7	14	13	9	16	19
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	17	15	30	30	30	30	30	30	30

