

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,912 MW
Distillate	0 MW
<b>Total TNB</b>	<b>1,912 MW</b>
<b>Total IPP</b>	<b>17,758 MW</b>
Total Co-Gen	0 MW
<b>Total System</b>	<b>22,826 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	14,368	3.58 %
Gas	48,438	12.05 %
<b>Total TNB</b>	<b>62,806</b>	<b>15.63 %</b>
ST-Coal	240,653	59.89 %
LSS	5,774	1.44 %
Gas	93,140	23.18 %
<b>Total IPP</b>	<b>339,567</b>	<b>84.51 %</b>
Co-Gen	-766	-0.19 %
<b>Total Co-Gen</b>	<b>-766</b>	<b>-0.19 %</b>
<b>Total Generation</b>	<b>401,607</b>	<b>99.95 %</b>
PLTG	477	0.12 %
HVDC	-697	-0.17 %
<b>Interconnection</b>	<b>-220</b>	<b>-0.05 %</b>
<b>Net Energy</b>	<b>401,827</b>	<b>100.00 %</b>

### Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

### Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	20,282 MW
TNB Generation	3,081 MW
IPP Generation	15,883 MW
Spinning Reserve	1,378 MW
Maximum Demand	18,857 MW
Net Energy	401,827 MWH
Load Factor	88.79 %

### Fuel Cost

Total Cost:	107,848,213.30 RM
Cost per Unit	26.80 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	560
Hydro	312
Syncon	347
Thermal	146
<b>Total</b>	<b>1,365</b>

### Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	30

### Gas Usage

Station	(mmscfd)
GLGR	59
TJGS	181
<b>Total TNB</b>	<b>240</b>
CBPS	47
EMPP	184
KLPP	64
NPRI	142
PCGP	82
PLPS	56
SGRI	34
SKSP	27
SPGP	94
<b>Total IPP</b>	<b>732</b>
<b>Total Gas</b>	<b>972</b>

**Total Gas Required 972**

### 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	16879	16084	15318	14920	14496	14239	14353	14105	14561	16225	17170	17680	17610	17446	18293	18825	18787	18548	17133	17089	18229	18284	17840	17335



### 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	
BSIA	HY01	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	22	22	22	22	22	22	
BSIA	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	20	20	20	20	20	
BSIA	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	22	22	23	23	22	
CEND	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	7	7	7	7	7	7	
CEND	HY02	5	5	6	5	5	6	5	5	6	5	6	5	5	5	5	5	5	5	7	7	7	7	6	6	
CEND	HY03	5	5	5	5	5	5	5	5	5	6	5	5	5	5	5	5	5	6	6	6	6	6	6	6	
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0	0	0	0	0	0	
HTRG	HY01	68	68	68	68	68	68	68	68	68	68	68	68	99	99	99	99	99	99	99	69	68	68	68	68	
HTRG	HY02	69	69	69	69	68	68	68	69	69	69	69	68	99	99	99	99	99	99	99	69	69	69	67	68	
HTRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	3	
HTRG	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	3	3	
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	35	35	35	35	35	
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	37	37	37	36	36	
KNRG	HY03	21	22	22	22	22	22	22	22	22	22	22	22	39	39	39	39	39	39	21	21	21	21	21	21	
KNYR	HY01	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	59	98	99	99	99	99	
KNYR	HY02	99	99	99	99	100	99	99	99	99	99	99	99	99	99	99	99	99	99	99	100	99	99	99	99	
LPIA	HY01	8	8	8	8	8	8	8	9	8	8	8	8	8	9	8	8	9	9	9	9	10	11	11	11	
LPIA	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	
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	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	20	-1	-1	-1	-1	
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	20	-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	20	21	21	21	21	21	21	
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	18	21	21	21	21	21	21	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	50	50	50	50	30	0	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	0	
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	0	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	24	24	24	19	0	25	25	25	25	25	25	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	25	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	82	83	83	82	83	
TMGR	HY02	46	46	46	47	46	50	46	46	46	52	46	46	46	49	79	46	45	72	46	46	46	45	44	84	
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	82	83	83	82	82	
UPIA	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
Total Hydro		457	458	459	459	458	462	457	457	458	487	477	460	464	459	458	458	461	292	341	338	367	402	458	457	
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	1	2	2	3	2	4	7	11	23	19	
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	9	13	15	19	22	24	20	27	26	
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	7	9	15	15	21	25	24	31	29	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	9	14	19	24	28	33	36	19	24	43	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	14	14	13	33	6	10	39	38	
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	10	11	15	16	24	11	6	6	24	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	10	17	18	25	28	37	30	24	42	
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	4	6	10	16	20	13	8	28	15	24	12	
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	11	12	22	28	34	35	15	42	44	
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	7	11	15	28	34	40	68	74	74	74	85	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	5	8	12	21	27	30	35	27	33	43	
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	5	10	11	17	19	26	28	23	18	

