

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,057 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,057 MW</b>
<b>Total IPP</b>	<b>18,640 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>24,279 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	11,448	3.40 %
Gas	42,977	12.77 %
<b>Total TNB</b>	<b>54,425</b>	<b>16.17 %</b>
ST-Coal	184,029	54.67 %
LSS	5,536	1.64 %
Gas	91,404	27.15 %
<b>Total IPP</b>	<b>280,969</b>	<b>83.47 %</b>
Co-Gen	821	0.24 %
<b>Total Co-Gen</b>	<b>821</b>	<b>0.24 %</b>
<b>Total Generation</b>	<b>336,215</b>	<b>99.88 %</b>
PLTG	123	0.04 %
HVDC	-524	-0.16 %
<b>Interconnection</b>	<b>-401</b>	<b>-0.12 %</b>
<b>Net Energy</b>	<b>336,616</b>	<b>100.00 %</b>

### Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 4/12/2023	401,811 MWH

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

Daily Maximum Demand Hour at:	21:30:00 Hour
Total Set On Bus	17,533 MW
TNB Generation	2,715 MW
IPP Generation	13,324 MW
Spinning Reserve	1,464 MW
Maximum Demand	16,046 MW
Net Energy	336,616 MWH
Load Factor	87.41 %

### Fuel Cost

Total Cost:	90,776,180.01 RM
Cost per Unit	27.00 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	648
Hydro	369
Syncon	871
Thermal	582
<b>Total</b>	<b>2,470</b>

### Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	26

### Gas Usage

Station	(mmscfd)
GLGR	32
TJGS	40
<b>Total TNB</b>	<b>72</b>
CBPS	44
EMPP	300
NPRI	145
PCGP	89
SPGP	209
<b>Total IPP</b>	<b>787</b>
<b>Total Gas</b>	<b>859</b>
<b>Total Gas Required</b>	<b>859</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	15355	14662	14207	13558	13223	13298	13147	12707	11834	12215	12760	13230	13243	13412	13885	14313	14485	14365	14251	14857	15643	16015	15920	15732





### Daily MW Generation on Sunday

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-HVDC		-29	-29	-29	-29	-28	-28	-30	-30	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
TIE-PLTG		-12	-9	-12	-52	-46	-7	-18	4	6	-23	-10	12	17	36	39	7	18	28	-12	17	0	0	5	-1	-4	3	7	36	-10	4	12	-1	9	-2	48	34	42	7	-1	5	-12	14	11	23	15	21	2	-4				
Interconnection		-42	-38	-41	-81	-75	-36	-46	-26	-24	-52	-39	-17	-12	6	9	-22	-11	-1	-42	-13	-29	-29	-23	-31	-33	-27	-22	7	-39	-25	-17	-31	-20	-31	19	6	42	7	-1	5	-12	14	11	23	15	21	2	-4				
<b>System Total</b>		<b>15355</b>	<b>15042</b>	<b>14662</b>	<b>14395</b>	<b>14207</b>	<b>13948</b>	<b>13558</b>	<b>13375</b>	<b>13223</b>	<b>13276</b>	<b>13298</b>	<b>13244</b>	<b>13147</b>	<b>13060</b>	<b>12707</b>	<b>11992</b>	<b>11834</b>	<b>12011</b>	<b>12215</b>	<b>12401</b>	<b>12760</b>	<b>13048</b>	<b>13230</b>	<b>13378</b>	<b>13243</b>	<b>13399</b>	<b>13412</b>	<b>13732</b>	<b>13885</b>	<b>13999</b>	<b>14313</b>	<b>14593</b>	<b>14485</b>	<b>14540</b>	<b>14365</b>	<b>14269</b>	<b>14251</b>	<b>14411</b>	<b>14857</b>	<b>15163</b>	<b>15643</b>	<b>15957</b>	<b>16015</b>	<b>16046</b>	<b>15920</b>	<b>15885</b>	<b>15732</b>	<b>15513</b>				
SRev ST-Coal		212	307	349	655	687	703	743	784	790	787	787	788	789	792	787	798	784	789	781	790	795	785	787	782	794	786	791	781	787	794	780	656	635	642	638	647	649	648	647	604	287	163	162	159	181	172	192	201				
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SRev CCGT-Gas		498	528	693	494	425	443	611	385	408	376	353	389	371	455	749	1417	1662	1615	1586	1458	1200	928	863	835	1000	909	913	493	445	615	635	701	897	682	729	685	607	415	361	464	394	441	408	345	485	426	537	568				
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncon		651	890	802	802	802	802	802	928	777	928	928	928	777	928	1029	1029	1029	1029	1029	1029	1029	1029	966	1029	1029	1029	1029	878	1029	1029	1029	928	928	928	777	928	928	777	741	741	829	554	554	554	554	741	590	928				
Hydro		324	207	225	180	194	244	248	245	238	282	101	149	163	314	222	162	171	146	147	142	139	147	271	123	164	151	146	296	126	186	197	209	178	142	303	161	130	298	296	354	309	427	386	406	429	392	504	276				
<b>S.Reserve Total</b>		<b>1772</b>	<b>2019</b>	<b>2243</b>	<b>2305</b>	<b>2282</b>	<b>2366</b>	<b>2578</b>	<b>2390</b>	<b>2538</b>	<b>2396</b>	<b>2343</b>	<b>2341</b>	<b>2425</b>	<b>2512</b>	<b>2860</b>	<b>3580</b>	<b>3820</b>	<b>3753</b>	<b>3717</b>	<b>3593</b>	<b>3337</b>	<b>3063</b>	<b>2974</b>	<b>2943</b>	<b>3161</b>	<b>3049</b>	<b>3053</b>	<b>2622</b>	<b>2561</b>	<b>2798</b>	<b>2815</b>	<b>2668</b>	<b>2812</b>	<b>2568</b>	<b>2621</b>	<b>2595</b>	<b>2488</b>	<b>2312</b>	<b>2219</b>	<b>2337</b>	<b>1906</b>	<b>1585</b>	<b>1510</b>	<b>1464</b>	<b>1649</b>	<b>1731</b>	<b>1823</b>	<b>1973</b>				