

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,072 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,072 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>24,294 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	11,830	3.29 %
Gas	47,081	13.09 %
<b>Total TNB</b>	<b>58,911</b>	<b>16.37 %</b>
ST-Coal	199,809	55.53 %
LSS	7,480	2.08 %
Gas	92,218	25.63 %
<b>Total IPP</b>	<b>299,507</b>	<b>83.24 %</b>
Co-Gen	853	0.24 %
<b>Total Co-Gen</b>	<b>853</b>	<b>0.24 %</b>
<b>Total Generation</b>	<b>359,271</b>	<b>99.86 %</b>
PLTG	176	0.05 %
HVDC	-696	-0.19 %
<b>Interconnection</b>	<b>-520</b>	<b>-0.14 %</b>
<b>Net Energy</b>	<b>359,791</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	17,747 MW
TNB Generation	2,981 MW
IPP Generation	13,354 MW
Spinning Reserve	1,376 MW
Maximum Demand	16,389 MW
Net Energy	359,791 MWH
Load Factor	91.47 %

### Fuel Cost

Total Cost:	99,317,316.65 RM
Cost per Unit	27.64 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	747
Hydro	312
Syncon	800
Thermal	554
<b>Total</b>	<b>2,413</b>

### Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	25

### Gas Usage

Station	(mmscfd)
GLGR	46
TJGS	57
<b>Total TNB</b>	<b>103</b>
CBPS	44
EMPP	300
KLPP	1
NPRI	147
PCGP	88
SKSP	2
SPGP	210
<b>Total IPP</b>	<b>793</b>
<b>Total Gas</b>	<b>895</b>
<b>Total Gas Required</b>	<b>895</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	16123	15446	14781	14282	13861	13766	13731	13372	12835	13777	14553	15045	14982	14891	15426	15671	15808	15650	15448	15547	16146	16384	16174	15868



### Daily MW Generation on Saturday

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	HY04	3	4	4	4	4	3	3	3	4	4	4	4	4	3	3	3	3	3	3	3	3	4	4	3	3	3
KNRG	HY03	21	21	21	21	21	21	21	21	21	21	38	38	38	38	38	38	38	38	23	23	23	23	23	23	23	23
KNYR	HY01	100	99	99	59	60	60	100	100	99	100	59	59	100	100	-1	-1	-1	-1	-1	-1	-1	100	100	100	100	99
KNYR	HY02	61	60	61	62	61	61	75	99	61	60	61	61	60	100	100	61	62	61	61	61	60	61	61	99	99	99
KNYR	HY03	54	54	54	54	54	54	96	96	96	97	97	54	54	54	0	0	55	55	55	55	55	55	55	55	55	55
LPIA	HY01	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	13	13	13	13	13	13	13	13
LPIA	HY02	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
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	3	3
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	21	21	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	22	21	21	-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	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	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	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	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	0	0
SYPS	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	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	0	0
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY04	40	42	42	62	61	43	60	85	41	54	41	41	42	41	41	82	56	44	83	74	58	60	61	39	38	40
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	111	-1	151	-1	179	94
UPIA	HY01	4	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		372	374	373	333	332	314	427	476	392	406	394	332	310	309	518	521	406	311	297	336	305	290	291	291	285	408
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	0
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	9	14	13	14	21	26	28	30	26
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	10	12	18	21	24	26	28	30	30	31
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	12	17	21	25	28	31	32	34	33	34
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	18	26	23	13	20	29	30	32	34	35	14
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	6	18	21	21	34	38	40	42	36	42
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	6	8	14	20	23	26	27	28	30	29
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	16	22	28	34	38	42	44	42	40	49
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	12	18	23	26	29	30	31	31	31	31
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	3	4	9	13	17	20	24	30	47
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	19	32	46	57	67	76	84	89	92	55	93
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	16	22	28	33	37	40	42	44	44
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	10	15	19	23	26	29	31	30	30	30
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	26	44	61	73	86	95	100	100	100	100
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	13	17	22	26	30	21	30	22	30	30
MALS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	14	22	25	18	29	25	30	30	23	29	22
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	13	18	28	16	19	44	45	49	47	50
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	29	58	59	64	74	70	96	96	97	97	98
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	11	32	42	58	74	100	106	106	101	106	106
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	18	34	41	37	29	39	51	43	52	40
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	10	17	23	31	34	39	39	43	45	46	45
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	8	11	16	18	10	22	19	25	26

## Daily MW Generation on Saturday

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																															
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	1	5	12	23	28	18	30	30	30	30	30	30	30	30	30	30	30	27	19	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
Total LSS		<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>18</b>	<b>108</b>	<b>266</b>	<b>427</b>	<b>578</b>	<b>657</b>	<b>766</b>	<b>876</b>	<b>945</b>	<b>992</b>	<b>989</b>	<b>985</b>	<b>995</b>	<b>919</b>	<b>932</b>	<b>952</b>	<b>822</b>	<b>780</b>	<b>678</b>	<b>549</b>	<b>385</b>	<b>237</b>	<b>96</b>	<b>18</b>	<b>3</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>				
ESTL	ESTL	16	20	22	24	15	21	21	16	23	21	19	17	19	18	18	17	17	20	21	16	16	18	18	16	13	11	17	11	12	18	18	17	11	13	16	16	16	14	13	7	12	11	12	16	16	16	18	16	13						
PCUF	CUFG	2	3	4	5	4	3	3	4	4	2	3	3	3	3	4	4	5	4	4	5	4	4	4	4	4	3	4	3	4	4	4	4	3	3	3	4	5	4	3	4	3	4	3	4	3	4	3	3	4						
PCUF	CUFK	10	12	10	11	11	11	10	11	11	11	11	11	11	11	11	10	11	10	12	11	11	10	9	10	11	10	11	11	10	11	11	10	8	10	11	10	10	12	10	11	11	12	9	12	10	10	10	10	10						
PFTZ	PFTZ	1	1	1	1	1	1	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	7	7	7	7	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
Total Co-Gen		<b>29</b>	<b>36</b>	<b>37</b>	<b>41</b>	<b>31</b>	<b>36</b>	<b>38</b>	<b>35</b>	<b>42</b>	<b>38</b>	<b>37</b>	<b>35</b>	<b>39</b>	<b>38</b>	<b>37</b>	<b>37</b>	<b>36</b>	<b>39</b>	<b>41</b>	<b>36</b>	<b>39</b>	<b>41</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>35</b>	<b>31</b>	<b>30</b>	<b>37</b>	<b>29</b>	<b>32</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>33</b>	<b>34</b>	<b>36</b>	<b>34</b>	<b>36</b>	<b>36</b>	<b>33</b>	<b>26</b>	<b>34</b>	<b>30</b>	<b>33</b>	<b>36</b>	<b>38</b>	<b>36</b>	<b>37</b>	<b>33</b>				
Total Gen		<b>16113</b>	<b>15673</b>	<b>15415</b>	<b>14976</b>	<b>14736</b>	<b>14570</b>	<b>14256</b>	<b>14048</b>	<b>13814</b>	<b>13848</b>	<b>13759</b>	<b>13710</b>	<b>13714</b>	<b>13542</b>	<b>13360</b>	<b>12820</b>	<b>12836</b>	<b>13326</b>	<b>13755</b>	<b>14209</b>	<b>14561</b>	<b>14934</b>	<b>15034</b>	<b>15040</b>	<b>14959</b>	<b>14959</b>	<b>14867</b>	<b>15160</b>	<b>15374</b>	<b>15689</b>	<b>15676</b>	<b>15755</b>	<b>15794</b>	<b>15857</b>	<b>15656</b>	<b>15515</b>	<b>15446</b>	<b>15382</b>	<b>15514</b>	<b>15672</b>	<b>16105</b>	<b>16345</b>	<b>16370</b>	<b>16371</b>	<b>16149</b>	<b>16053</b>	<b>15846</b>	<b>15718</b>							
TIE-EGAT		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	0	0	
TIE-HVDC		-28	-31	-30	-28	-28	-28	-30	-28	-28	-30	-28	-31	-30	-29	-28	-29	-28	-29	-29	-29	-29	-31	-29	-30	-28	-30	-28	-28	-30	-28	-28	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29		
TIE-PLTG		18	13	-1	-23	-17	-4	2	-2	-19	4	23	6	14	5	19	-15	29	-7	6	14	36	44	17	-23	5	13	4	-22	-24	25	35	12	14	17	36	42	27	1	-4	-10	-12	12	15	11	4	-3	8	5							
Interconnection		<b>-10</b>	<b>-18</b>	<b>-31</b>	<b>-51</b>	<b>-45</b>	<b>-33</b>	<b>-26</b>	<b>-32</b>	<b>-47</b>	<b>-24</b>	<b>-7</b>	<b>-23</b>	<b>-17</b>	<b>-26</b>	<b>-12</b>	<b>-44</b>	<b>1</b>	<b>-36</b>	<b>-22</b>	<b>-15</b>	<b>8</b>	<b>16</b>	<b>-11</b>	<b>-54</b>	<b>-23</b>	<b>-17</b>	<b>-24</b>	<b>-52</b>	<b>-52</b>	<b>-3</b>	<b>5</b>	<b>-16</b>	<b>-14</b>	<b>-11</b>	<b>6</b>	<b>14</b>	<b>-2</b>	<b>-28</b>	<b>-33</b>	<b>-39</b>	<b>-41</b>	<b>-17</b>	<b>-14</b>	<b>-18</b>	<b>-25</b>	<b>-33</b>	<b>-22</b>	<b>-24</b>							
System Total		<b>16123</b>	<b>15691</b>	<b>15446</b>	<b>15027</b>	<b>14781</b>	<b>14603</b>	<b>14282</b>	<b>14080</b>	<b>13861</b>	<b>13872</b>	<b>13766</b>	<b>13733</b>	<b>13731</b>	<b>13568</b>	<b>13372</b>	<b>12864</b>	<b>12835</b>	<b>13362</b>	<b>13777</b>	<b>14224</b>	<b>14553</b>	<b>14918</b>	<b>15045</b>	<b>15094</b>	<b>14982</b>	<b>14976</b>	<b>14891</b>	<b>15212</b>	<b>15426</b>	<b>15692</b>	<b>15671</b>	<b>15771</b>	<b>15808</b>	<b>15868</b>	<b>15650</b>	<b>15501</b>	<b>15448</b>	<b>15410</b>	<b>15547</b>	<b>15711</b>	<b>16146</b>	<b>16362</b>	<b>16384</b>	<b>16389</b>	<b>16174</b>	<b>16086</b>	<b>15868</b>	<b>15742</b>							
SRev ST-Coal		326	327	333	403	418	410	672	768	959	849	809	781	790	787	862	850	924	915	863	865	858	677	584	593	598	757	587	629	591	542	899	640	480	438	404	393	299	287	179	159	161	205	190	175	196	193	261	248							
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	0	0	0		
SRev CCGT-Gas		582	806	1057	1057	555	558	608	280	396	481	596	611	555	510	1016	1666	1689	1431	1278	1007	664	730	729	781	896	1103	1405	1105	1014	637	714	655	616	628	702	647	696	629	633	552	427	293	251	266	376	461	373	313							
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	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	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	0	0	0
Syncon		766	766	766	917	917	917	917	917	917	917	917	766	917	917	363	363	741	867	867	867	1018	1018	1018	1018	1018	917	917	1104	766	928	741	741	865	829	928	1016	1016	1104	917	917	730	302	302	302	302	579	579	766	739						
Hydro		337	335	336	225	226	244	131	82	166	152	164	377	248	249	494	491	328	297	311	272	152	167	166	166	192	336	303	180	366	207	299	254	265	172	155	306	274	187	393	397	299	593	642	633	449	461	415	305							
S.Reserve Total		<b>2011</b>	<b>2234</b>	<b>2492</b>	<b>2602</b>	<b>2116</b>	<b>2129</b>	<b>2328</b>	<b>2047</b>	<b>2438</b>	<b>2399</b>	<b>2486</b>	<b>2535</b>	<b>2510</b>	<b>2463</b>	<b>2735</b>	<b>3370</b>	<b>3682</b>	<b>3510</b>	<b>3319</b>	<b>3011</b>	<b>2692</b>	<b>2592</b>	<b>2497</b>	<b>2558</b>	<b>2704</b>	<b>3113</b>	<b>3212</b>	<b>3018</b>	<b>2737</b>	<b>2314</b>	<b>2653</b>	<b>2290</b>	<b>2226</b>	<b>2067</b>	<b>2189</b>	<b>2362</b>	<b>2285</b>	<b>2207</b>	<b>2122</b>	<b>2025</b>	<b>1617</b>	<b>1393</b>	<b>1385</b>	<b>1376</b>	<b>1600</b>	<b>1694</b>	<b>1815</b>	<b>1605</b>							