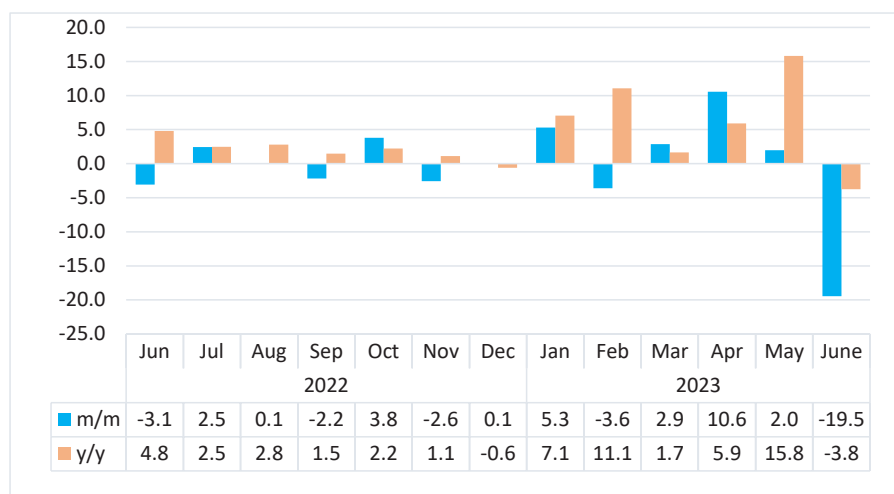


ELECTRICITY

June 2023

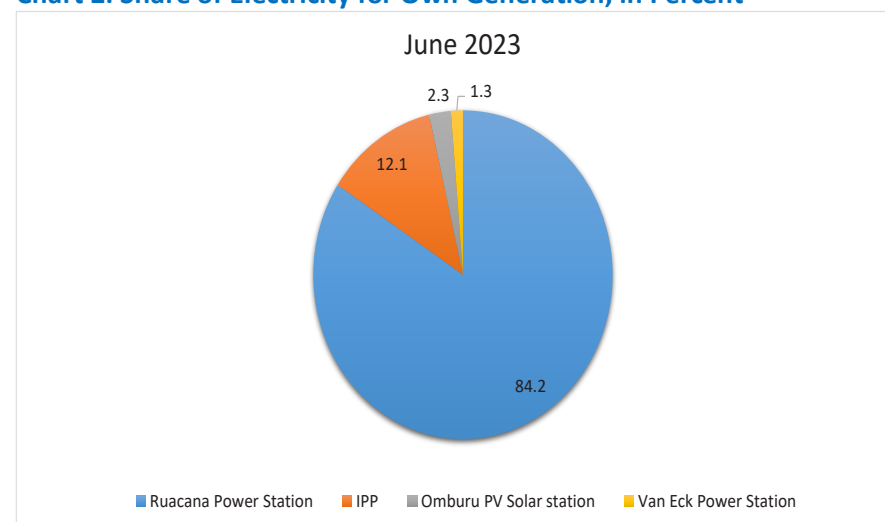


Chart 1: Electricity Sources Composite Index, Percentage Change



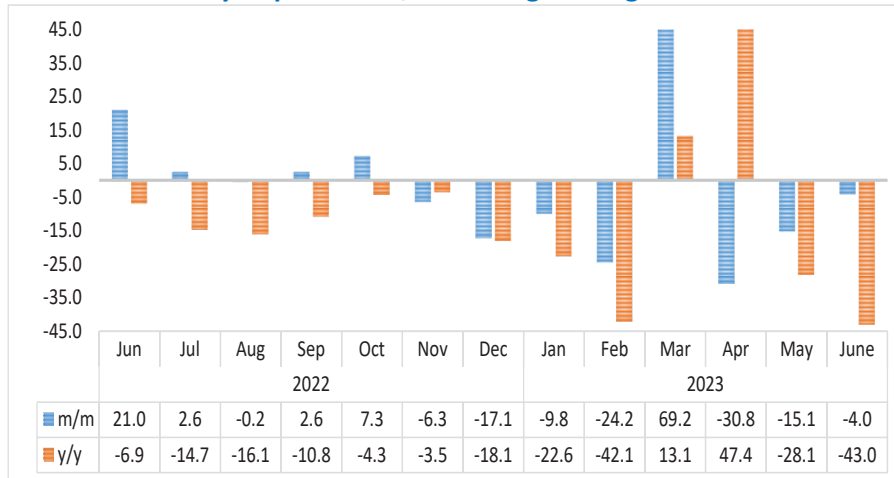
- The **Electricity Sources Composite Index**, which is composed of own generation (local production) and imported electricity for June 2023 declined by 19.5 percent on a monthly basis compared to an increase 2.0 percent registered in the preceding month. Moreover, the index recorded a decline of 3.8 percent on a yearly basis (Chart 1).
- The monthly decrease was reflected in own generation of electricity. Import of electricity also recorded a decline during the month under review.

Chart 2: Share of Electricity for Own Generation, in Percent



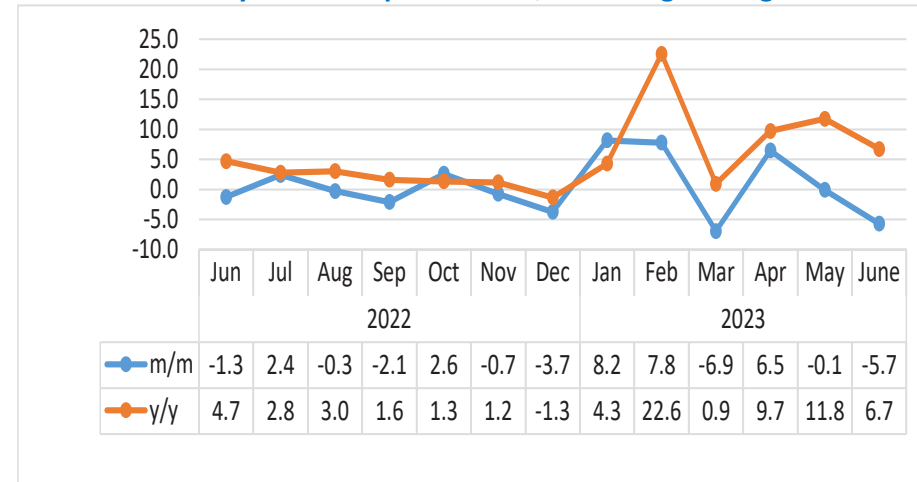
- The local production of electricity for June 2023 stood at 191 672MWh. Ruacana power station produced the highest electricity of 161 342 MWh (84.2%), followed by the Independent Power Producers (IPP) which collectively generated 23 284 MWh (12.1%) of electricity (Chart 2).

Chart 3: Electricity Import Index, Percentage Change



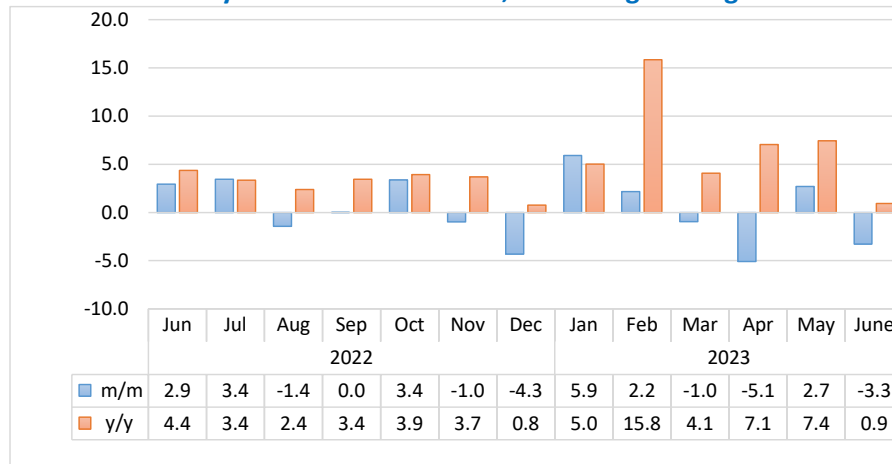
- The **Electricity Import Index** recorded a decline of 4.0 percent in June 2023 compared to a decline of 15.1 percent that was registered in May 2023. Similarly, the index declined by 43.0 percent on an annual basis (Chart 3).
- A total of 140 936 MWh of electricity was imported during the month of June 2023. Electricity was mainly sourced from Zesco Zambia (92.4%), followed by Eskom Orange River (7.6%).

Chart 4: Electricity Sales Composite Index, Percentage Change



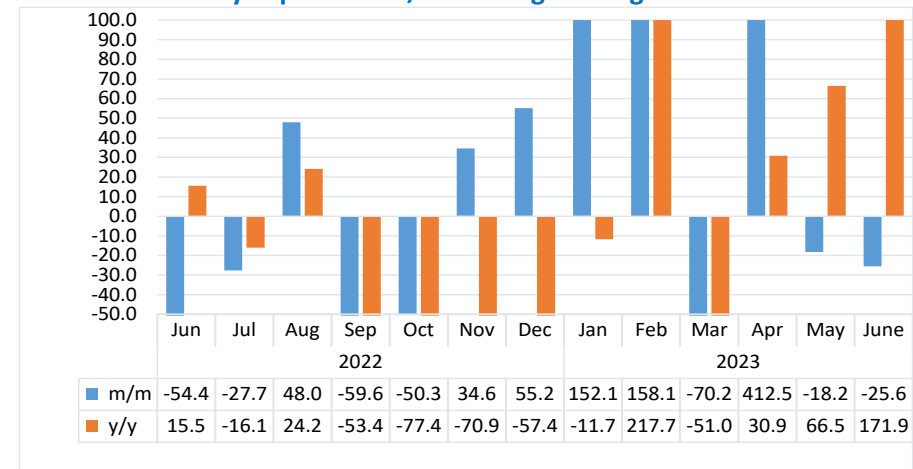
- The **Electricity Sales Composite Index** for June 2023 recorded a decline of 5.7 percent on a monthly basis compared to a decline of 0.1 percent recorded in May 2023. Conversely, the index recorded an increase of 6.7 percent on an annual basis (Chart 4).
- The sales of electricity during the month of June 2023 amounted to 328 398 MWh from 348 279 MWh and 307 700 MWh that was recorded in the preceding month and the corresponding month of 2022, respectively.

Chart 5: Electricity Domestic Sales Index, Percentage Change



- The **Electricity Domestic Sales Index** declined on a monthly basis by 3.3 percent in June 2023 compared to an increase of 2.7 percent recorded a month earlier. Moreover, the index registered an increase of 0.9 percent year-on-year (Chart 5).
- Electricity was mainly sold to Redistributors - LPU (67%) and Mines (25%).
- The total electricity sold locally decreased to 300 076 MWh during the month under review from 310 238 MWh recorded in June 2023. On an annual basis, electricity domestic sales increased from 297 285 MWh of electricity registered in the corresponding month of 2022.

Chart 6: Electricity Export Index, Percentage Change¹



- The **Export Sales Index** recorded a monthly decline of 25.6 percent in June 2023, compared to a decline of 18.2 percent registered in the preceding month. However, the index registered a growth 171.9 percent year-on-year (Chart 6).
- During the period under review, Namibia exported a total of 28 321 MWh of electricity of which 92.7 percent was supplied to STEM Sales-SAPP, followed by Botswana (3.9%) while 1.9 percent and 1.5 percent was destined to South Africa and Angola, respectively.

¹ This chart is limited to -50 percent and 100 percent for better presentation.

Table 1: Electricity Sources in MWH

| Year | Month | Own generated | Import |
|------|-------|---------------|---------|
| 2020 | Jan | 249,327 | 171,655 |
| | Feb | 260,165 | 171,759 |
| | Mar | 268,742 | 252,506 |
| | Apr | 270,785 | 136,187 |
| | May | 234,883 | 176,429 |
| | Jun | 145,495 | 226,701 |
| | Jul | 156,692 | 227,982 |
| | Aug | 176,845 | 209,579 |
| | Sep | 155,062 | 213,956 |
| | Oct | 139,242 | 248,759 |
| | Nov | 110,168 | 255,038 |
| | Dec | 140,822 | 243,109 |
| 2021 | Jan | 98,191 | 255,534 |
| | Feb | 66,648 | 238,395 |
| | Mar | 65,547 | 252,906 |
| | Apr | 95,326 | 250,225 |
| | May | 95,027 | 251,119 |
| | Jun | 64,155 | 265,577 |
| | Jul | 48,192 | 297,297 |
| | Aug | 43,152 | 301,495 |
| | Sep | 50,664 | 290,922 |
| | Oct | 61,058 | 290,893 |
| | Nov | 76,294 | 270,322 |
| | Dec | 89,054 | 263,899 |

Table 1: Electricity Sources in MWH Continue...

| Year | Month | Own generated | Import |
|------|-------|---------------|---------|
| 2022 | Jan | 93,044 | 252,026 |
| | Feb | 65,362 | 255,286 |
| | Mar | 139,261 | 221,067 |
| | Apr | 265,053 | 117,300 |
| | May | 152,261 | 204,296 |
| | Jun | 98,405 | 247,188 |
| | Jul | 100,515 | 253,554 |
| | Aug | 101,360 | 252,948 |
| | Sep | 87,212 | 259,414 |
| | Oct | 81,558 | 278,245 |
| | Nov | 89,789 | 260,750 |
| | Dec | 134,559 | 216,217 |
| 2023 | Jan | 174,396 | 195,004 |
| | Feb | 208,340 | 147,774 |
| | Mar | 116,256 | 250,059 |
| | Apr | 232,039 | 172,956 |
| | May | 266,144 | 141,873 |
| | June | 191,672 | 140,936 |

Table 2: Electricity sources index (2015=100)

| Year | Month | Own generated Index | Import Index | Electricity Sources Composite Index |
|-------------|-------|---------------------|--------------|-------------------------------------|
| 2020 | Jan | 225.7 | 72.1 | 120.7 |
| | Feb | 235.5 | 72.1 | 123.9 |
| | Mar | 243.2 | 106.0 | 149.5 |
| | Apr | 245.1 | 57.2 | 116.7 |
| | May | 212.6 | 74.1 | 117.9 |
| | Jun | 131.7 | 95.2 | 106.7 |
| | Jul | 141.8 | 95.7 | 110.3 |
| | Aug | 160.1 | 88.0 | 110.8 |
| | Sep | 140.3 | 89.8 | 105.8 |
| | Oct | 126.0 | 104.4 | 111.3 |
| | Nov | 99.7 | 107.0 | 104.7 |
| | Dec | 127.5 | 102.0 | 110.1 |
| 2021 | Jan | 88.9 | 107.3 | 101.4 |
| | Feb | 60.3 | 100.1 | 87.5 |
| | Mar | 59.3 | 106.2 | 91.3 |
| | Apr | 86.3 | 105.0 | 99.1 |
| | May | 86.0 | 105.4 | 99.3 |
| | Jun | 58.1 | 111.5 | 94.6 |
| | Jul | 43.6 | 124.8 | 99.1 |
| | Aug | 39.1 | 126.5 | 98.8 |
| | Sep | 45.9 | 122.1 | 98.0 |
| | Oct | 55.3 | 122.1 | 100.9 |
| | Nov | 69.1 | 113.5 | 99.4 |
| | Dec | 80.6 | 110.8 | 101.2 |

Table 2: Electricity sources index (2015=100) Continue...

| Year | Month | Own generated Index | Import Index | Electricity Sources Composite Index |
|-------------|-------|---------------------|--------------|-------------------------------------|
| 2022 | Jan | 84.2 | 105.8 | 99.0 |
| | Feb | 59.2 | 107.2 | 91.9 |
| | Mar | 126.0 | 92.8 | 103.3 |
| | Apr | 239.9 | 49.2 | 109.6 |
| | May | 137.8 | 85.8 | 102.2 |
| | Jun | 89.1 | 103.8 | 99.1 |
| | Jul | 91.0 | 106.4 | 101.5 |
| | Aug | 91.7 | 106.2 | 101.6 |
| | Sep | 78.9 | 108.9 | 99.4 |
| | Oct | 73.8 | 116.8 | 103.2 |
| | Nov | 81.3 | 109.4 | 100.5 |
| | Dec | 121.8 | 90.8 | 100.6 |
| 2023 | Jan | 157.8 | 81.9 | 105.9 |
| | Feb | 188.6 | 62.0 | 102.1 |
| | Mar | 105.2 | 105.0 | 105.0 |
| | Apr | 210.0 | 72.6 | 116.1 |
| | May | 240.9 | 59.5 | 117.0 |
| | June | 173.5 | 59.2 | 95.4 |

Table 3: Electricity Sales in MWH

| Year | Month | Domestic Sales | Export Sales |
|------|-------|----------------|--------------|
| 2020 | Jan | 293,012 | 9,741 |
| | Feb | 263,685 | 9,854 |
| | Mar | 345,424 | 9,445 |
| | Apr | 261,738 | 9,029 |
| | May | 268,139 | 8,600 |
| | Jun | 279,446 | 9,359 |
| | Jul | 289,489 | 9,704 |
| | Aug | 295,368 | 9,809 |
| | Sep | 287,338 | 9,895 |
| | Oct | 299,602 | 10,497 |
| | Nov | 282,311 | 10,674 |
| | Dec | 302,423 | 10,544 |
| 2021 | Jan | 298,848 | 9,608 |
| | Feb | 271,421 | 8,931 |
| | Mar | 290,056 | 9,164 |
| | Apr | 284,527 | 9,089 |
| | May | 297,400 | 8,915 |
| | Jun | 284,881 | 9,015 |
| | Jul | 297,535 | 8,978 |
| | Aug | 296,030 | 8,979 |
| | Sep | 293,074 | 9,668 |
| | Oct | 301,575 | 9,917 |
| | Nov | 299,292 | 10,346 |
| | Dec | 294,724 | 10,964 |

Table 3: Electricity Sales in MWH Continue...

| Year | Month | Domestic Sales | Export Sales |
|------|-------|----------------|--------------|
| 2022 | Jan | 299,509 | 13,339 |
| | Feb | 277,413 | 9,566 |
| | Mar | 305,817 | 18,501 |
| | Apr | 282,149 | 35,519 |
| | May | 288,780 | 22,849 |
| | Jun | 297,285 | 10,415 |
| | Jul | 307,537 | 7,535 |
| | Aug | 303,106 | 11,149 |
| | Sep | 303,158 | 4,507 |
| | Oct | 313,408 | 2,238 |
| | Nov | 310,318 | 3,011 |
| | Dec | 296,953 | 4,671 |
| 2023 | Jan | 314,507 | 11,777 |
| | Feb | 321,345 | 30,395 |
| | Mar | 318,289 | 9,072 |
| | Apr | 302,068 | 46,496 |
| | May | 310,238 | 38,042 |
| | June | 300,076 | 28,321 |

Table 4: Electricity sales index

| Year | Month | Domestic sales Index | Export Index | Electricity Sales Composite Index |
|------|-------|----------------------|--------------|-----------------------------------|
| 2020 | Jan | 108.9 | 125.2 | 109.3 |
| | Feb | 98.0 | 126.7 | 98.8 |
| | Mar | 128.4 | 121.4 | 128.2 |
| | Apr | 97.3 | 116.1 | 97.8 |
| | May | 99.6 | 110.5 | 99.9 |
| | Jun | 103.8 | 120.3 | 104.3 |
| | Jul | 107.6 | 124.7 | 108.1 |
| | Aug | 109.8 | 126.1 | 110.2 |
| | Sep | 106.8 | 127.2 | 107.4 |
| | Oct | 126.9 | 134.9 | 127.1 |
| | Nov | 115.1 | 137.2 | 115.7 |
| | Dec | 112.6 | 135.5 | 113.2 |
| 2021 | Jan | 111.2 | 123.5 | 111.6 |
| | Feb | 100.9 | 114.8 | 101.3 |
| | Mar | 107.8 | 117.8 | 108.1 |
| | Apr | 105.7 | 116.8 | 106.0 |
| | May | 110.5 | 114.6 | 110.6 |
| | Jun | 105.9 | 115.9 | 106.1 |
| | Jul | 110.6 | 115.4 | 110.7 |
| | Aug | 110.0 | 115.4 | 110.2 |
| | Sep | 108.9 | 124.3 | 109.3 |
| | Oct | 112.1 | 127.5 | 112.5 |
| | Nov | 111.2 | 133.0 | 111.8 |

Table 4: Electricity sales index Continue...

| Year | Month | Domestic sales Index | Export Index | Electricity Sales Composite Index |
|------|-------|----------------------|--------------|-----------------------------------|
| 2022 | Jan | 111.3 | 171.5 | 113.0 |
| | Feb | 103.1 | 123.0 | 103.6 |
| | Mar | 113.6 | 237.8 | 117.1 |
| | Apr | 104.8 | 456.5 | 114.7 |
| | May | 107.3 | 293.7 | 112.5 |
| | Jun | 110.5 | 133.9 | 111.1 |
| | Jul | 114.3 | 96.8 | 113.8 |
| | Aug | 112.6 | 143.3 | 113.5 |
| | Sep | 112.7 | 57.9 | 111.1 |
| | Oct | 116.5 | 28.8 | 114.0 |
| | Nov | 115.3 | 38.7 | 113.2 |
| | Dec | 110.4 | 60.0 | 108.9 |
| 2023 | Jan | 116.9 | 151.4 | 117.8 |
| | Feb | 119.4 | 390.7 | 127.0 |
| | Mar | 118.3 | 116.6 | 118.2 |
| | Apr | 112.3 | 597.6 | 125.9 |
| | May | 115.3 | 489.0 | 125.8 |
| | June | 111.5 | 364.0 | 118.6 |

- Methodology** : Graphical and tabular analysis
- Data Sources** : The data source for the volume of electricity is sourced from Nam-power. These are data on domestic and export sale, Own Generation and import sources. The Production is in kilowatts per hour (kWh) for all the variables.
- Index calculation:** The index of sales and sources weighted uses the volume data of 2015.
- Conversion** : 1 basis point = 0.01 percent