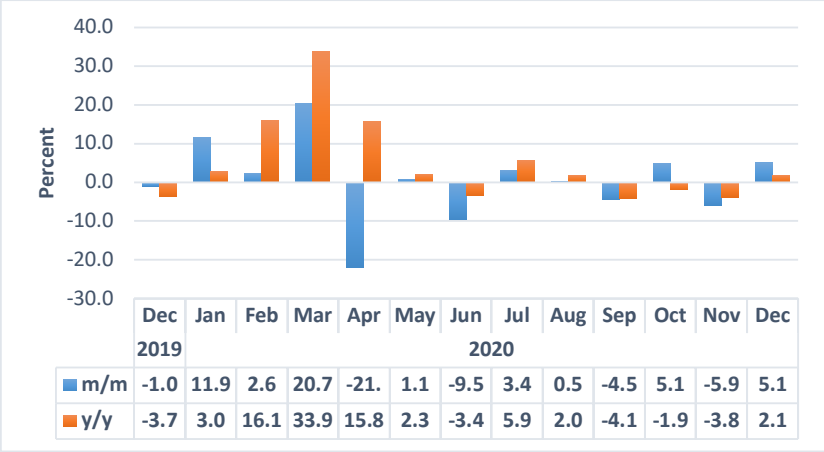
Namibia Statistics Agency

ELECTRICITY

SECTORAL REPORT - DECEMBER 2020

Chart 1: Electricity Sources Composite Index, Percentage Change

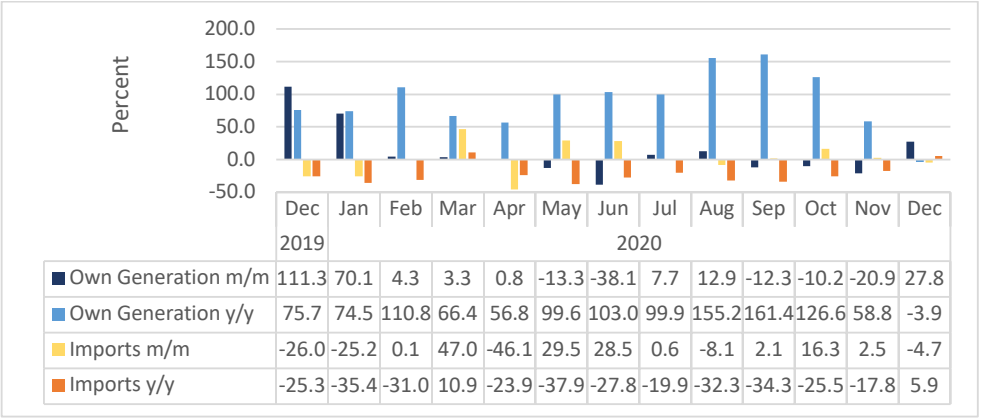


	Dec 2019	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		2020											
m/m	-1.0	11.9	2.6	20.7	-21.	1.1	-9.5	3.4	0.5	-4.5	5.1	-5.9	5.1
y/y	-3.7	3.0	16.1	33.9	15.8	2.3	-3.4	5.9	2.0	-4.1	-1.9	-3.8	2.1

- The **Electricity Sources Composite Index** that is composed of own generation (production) and imported electricity rose by 5.1 percent in December 2020, whereas in November 2020 it registered a decline of 5.9 percent. The annual growth recorded for the period under review is 2.1 percent.

- The increase month on month in the index is attributed to own generation of electricity that recorded an increase of 27.8 percent in the index. While on the annual basis, own generation has declined by 3.9 percent, respectively (Chart 2).

Chart 2: Electricity Source Index, Percentage Change

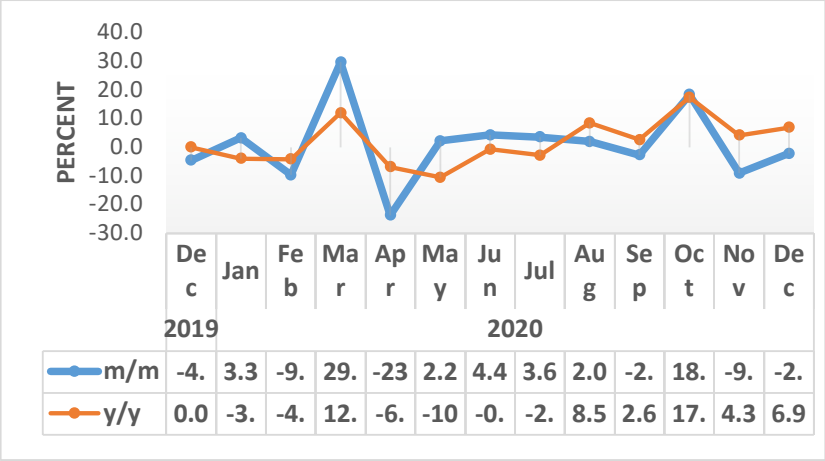


	Dec 2019	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		2020											
Own Generation m/m	111.3	70.1	4.3	3.3	0.8	-13.3	-38.1	7.7	12.9	-12.3	-10.2	-20.9	27.8
Own Generation y/y	75.7	74.5	110.8	66.4	56.8	99.6	103.0	99.9	155.2	161.4	126.6	58.8	-3.9
Imports m/m	-26.0	-25.2	0.1	47.0	-46.1	29.5	28.5	0.6	-8.1	2.1	16.3	2.5	-4.7
Imports y/y	-25.3	-35.4	-31.0	10.9	-23.9	-37.9	-27.8	-19.9	-32.3	-34.3	-25.5	-17.8	5.9

- The **Import Index** declined by 4.7 percent in December2020, while in November 2020 it increased by 2.5 percent. Annually, electricity import grew by 5.9 percent. The decline in imported emanates from Zesco- Firm Zambia.

- Local production of electricity stood at 140 822 MWh in December 2020 from 110 168 MWh produced in November 2020, while 243 109 MWh of electricity was imported during the same period of December 2020.

Chart 3: Electricity Sales Composite Index, Percentage Change

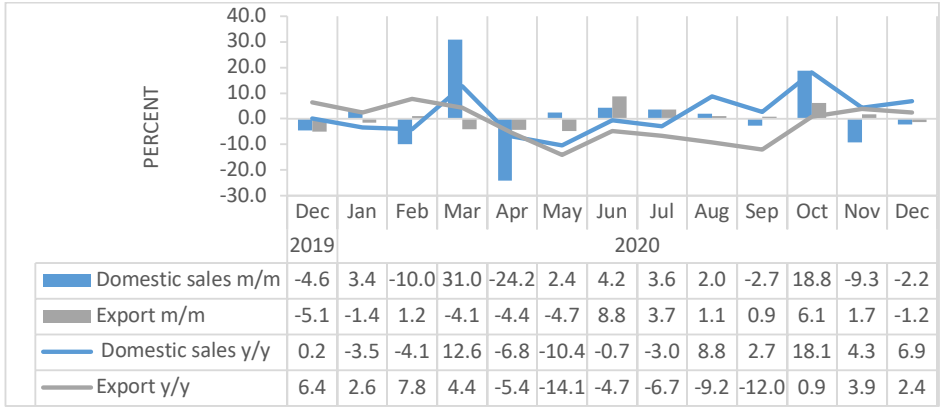


	Dec 2019	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						2020							
m/m	-4.	3.3	-9.	29.	-23	2.2	4.4	3.6	2.0	-2.	18.	-9.	-2.
y/y	0.0	-3.	-4.	12.	-6.	-10	-0.	-2.	8.5	2.6	17.	4.3	6.9

- The month on month **Electricity Sales Composite Index** for December 2020 declined by 2.1 percent, compared to a decline of 9.0 percent recorded in November 2020. The index posted 6.9 percent year on year.

- Both the domestic and export sales of electricity for December 2020 declined over the month.

Chart 4: Electricity Sales Index Percentage Change



	Dec 2019	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						2020							
Domestic sales m/m	-4.6	3.4	-10.0	31.0	-24.2	2.4	4.2	3.6	2.0	-2.7	18.8	-9.3	-2.2
Export m/m	-5.1	-1.4	1.2	-4.1	-4.4	-4.7	8.8	3.7	1.1	0.9	6.1	1.7	-1.2
Domestic sales y/y	0.2	-3.5	-4.1	12.6	-6.8	-10.4	-0.7	-3.0	8.8	2.7	18.1	4.3	6.9
Export y/y	6.4	2.6	7.8	4.4	-5.4	-14.1	-4.7	-6.7	-9.2	-12.0	0.9	3.9	2.4

- The **Domestic Sales Index** declined by 2.2 percent month on month while registering a growth of 6.9 percent on an annual basis.

- The **Export sales Index** posted a decline of 1.2 percent in December 2020 compared to 1.7 percent growth registered in November 2020. On annual basis the index increased by 6.7 percent during the review period.

- In the month of December 2020, a total of 302 906 MWh of electricity was sold in the domestic economy compared to 309 634 MWh sales in November 2020. Additionally, 10 544 MWh of electricity was exported in December 2020 compared to exports of 10 674 MWh in November 2020.

Table 1: Electricity SOURCES in MWH

Year	Month	Own genarated	Import
2015	Jan	166,465	184,477
	Feb	149,796	178,355
	Mar	175,681	199,340
	Apr	212,911	169,782
	May	125,127	240,258
	Jun	87,582	269,882
	Jul	72,589	295,327
	Aug	71,478	297,025
	Sep	64,753	122,673
	Oct	52,155	302,342
	Nov	64,708	295,293
	Dec	82,584	304,172
2016	Jan	189,959	235,943
	Feb	179,873	194,909
	Mar	190,795	348,351
	Apr	182,267	197,959
	May	16,273	199,437
	Jun	108,304	256,083
	Jul	97,040	275,631
	Aug	97,386	278,153
	Sep	66,601	312,590
	Oct	66,875	316,925
	Nov	83,487	311,182
	Dec	171,237	226,916
2017	Jan	232,502	169,601
	Feb	185,610	167,716
	Mar	259,472	160,430
	Apr	223,170	178,971
	May	134,392	236,814
	Jun	83,410	269,000
	Jul	72,916	327,542
	Aug	34,542	371,617
	Sep	19,885	387,666
	Oct	29,702	389,450
	Nov	20,651	394,322
	Dec	40,532	372,611

Table 1: Electricity Sources In MWH Continue…

2018	Jan	79,862	334,179
	Feb	197,034	207,219
	Mar	214,593	200,423
	Apr	260,294	127,802
	May	222,541	145,444
	Jun	99,652	274,653
	Jul	110,380	323,915
	Aug	85,206	271,109
	Sep	77,605	294,266
	Oct	61,374	324,465
	Nov	64,153	319,578
	Dec	83,455	307,166
2019	Jan	142,891	265,752
	Feb	123,392	248,783
	Mar	161,498	227,721
	Apr	172,656	178,848
	May	117,685	284,256
	Jun	71,677	313,783
	Jul	78,401	284,776
	Aug	69,310	309,423
	Sep	59,311	325,442
	Oct	61,458	333,984
	Nov	69,370	310,411
	Dec	146,604	229,566
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

Table 2: Electricity sources index (2015=100)

Year	Month	Own genarated Index	Import Index	Electricity Sources Composite
2015	Jan	150.7	77.4	**100.6**
	Feb	135.6	74.9	**94.1**
	Mar	159.0	83.7	**107.5**
	Apr	192.7	71.3	**109.7**
	May	113.3	100.8	**104.8**
	June	79.3	113.3	**102.5**
	Jul	65.7	124.0	**105.5**
	Aug	64.7	124.7	**105.7**
	Sep	58.6	51.5	**53.7**
	Oct	47.2	126.9	**101.7**
	Nov	58.6	123.9	**103.2**
	Dec	74.7	127.7	**110.9**
2016	Jan	171.9	99.0	**122.1**
	Feb	162.8	81.8	**107.5**
	Mar	172.7	146.2	**154.6**
	Apr	165.0	83.1	**109.0**
	May	14.7	83.7	**61.9**
	Jun	98.0	107.5	**104.5**
	Jul	87.8	115.7	**106.9**
	Aug	88.1	116.8	**107.7**
	Sep	60.3	131.2	**108.7**
	Oct	60.5	133.0	**110.1**
	Nov	75.6	130.6	**113.2**
	Dec	155.0	95.2	**114.2**
2017	Jan	210.4	71.2	**115.3**
	Feb	168.0	70.4	**101.3**
	Mar	234.8	67.3	**120.4**
	Apr	202.0	75.1	**115.3**
	May	121.6	99.4	**106.4**
	Jun	75.5	112.9	**101.1**
	Jul	66.0	137.5	**114.8**
	Aug	31.3	156.0	**116.5**
	Sep	18.0	162.7	**116.9**
	Oct	26.9	163.5	**120.2**
	Nov	18.7	165.5	**119.0**
	Dec	36.7	156.4	**118.5**

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

2018	Jan	72.3	140.3	**118.7**
	Feb	178.3	87.0	**115.9**
	Mar	194.2	84.1	**119.0**
	Apr	235.6	53.6	**111.3**
	May	201.4	61.0	**105.5**
	Jun	90.2	115.3	**107.3**
	Jul	99.9	136.0	**124.5**
	Aug	77.1	113.8	**102.2**
	Sep	70.2	123.5	**106.6**
	Oct	55.5	136.2	**110.6**
	Nov	58.1	134.1	**110.0**
	Dec	75.5	128.9	**112.0**
2019	Jan	129.3	111.5	**117.2**
	Feb	111.7	104.4	**106.7**
	Mar	146.2	95.6	**111.6**
	Apr	156.3	75.1	**100.8**
	May	106.5	119.3	**115.3**
	Jun	64.9	131.7	**110.5**
	Jul	71.0	119.5	**104.1**
	Aug	62.7	129.9	**108.6**
	Sep	53.7	136.6	**110.3**
	Oct	55.6	140.2	**113.4**
	Nov	62.8	130.3	**108.9**
	Dec	132.7	96.4	**107.9**
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**

Table 3: Electricity Sales in MWH

Year	Month	Domestic Sales	Export Sales
2015	Jan	273,548	8,051
	Feb	244,280	7,329
	Mar	275,447	8,051
	Apr	258,836	7,086
	May	266,261	6,476
	Jun	272,395	6,853
	Jul	278,331	6,930
	Aug	275,082	7,515
	Sep	266,705	8,261
	Oct	260,295	9,122
	Nov	269,841	8,812
	Dec	288,180	8,876
2016	Jan	278,654	8,614
	Feb	276,761	8,465
	Mar	290,619	8,209
	Apr	279,954	8,190
	May	272,777	7,646
	Jun	266,947	8,142
	Jul	273,493	8,405
	Aug	285,057	7,709
	Sep	284,034	8,087
	Oct	301,593	8,555
	Nov	350,664	8,844
	Dec	350,587	8,221
2017	Jan	291,372	8,127
	Feb	260,829	7,741
	Mar	316,357	8,660
	Apr	266,432	8,440
	May	287,930	8,502
	Jun	289,659	8,707
	Jul	306,332	8,629
	Aug	299,649	8,766
	Sep	299,413	9,379
	Oct	308,386	9,356
	Nov	304,280	9,794
	Dec	301,287	9,728

Table 3: Electricity Sales in MWH Continue…

2018	Jan	310,053	10,153
	Feb	279,129	9,518
	Mar	297,305	8,811
	Apr	302,402	9,387
	May	286,835	8,603
	Jun	289,537	8,749
	Jul	317,062	9,557
	Aug	288,276	9,000
	Sep	288,600	9,634
	Oct	295,518	9,643
	Nov	295,492	9,969
	Dec	282,672	10,445
2019	Jan	303,617	11,340
	Feb	274,852	10,343
	Mar	306,655	10,125
	Apr	280,791	9,942
	May	299,191	9,779
	Jun	281,389	9,279
	Jul	298,427	9,336
	Aug	271,582	9,578
	Sep	279,789	9,880
	Oct	289,128	10,391
	Nov	296,837	10,410
	Dec	283,314	9,880
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	341,363	10,497
	Nov	309,634	10,674
	Dec	302,906	10,544

Table 4: Electricity sales index (2015=100)

Year	Month	Domestic sales Index	Export Index	Electricity Sales Composite Index
2015	Jan	101.7	103.5	**101.7**
	Feb	90.8	94.2	**90.9**
	Mar	102.4	103.5	**102.4**
	Apr	96.2	91.1	**96.0**
	May	98.9	83.2	**98.5**
	June	101.2	88.1	**100.9**
	Jul	103.4	89.1	**103.0**
	Aug	102.2	96.6	**102.1**
	Sep	99.1	106.2	**99.3**
	Oct	96.7	117.2	**97.3**
	Nov	100.3	113.3	**100.6**
	Dec	107.1	114.1	**107.3**
2016	Jan	103.6	110.7	**103.8**
	Feb	102.8	108.8	**103.0**
	Mar	108.0	105.5	**107.9**
	Apr	104.0	105.3	**104.1**
	May	101.4	98.3	**101.3**
	Jun	99.2	104.7	**99.4**
	Jul	101.6	108.0	**101.8**
	Aug	105.9	99.1	**105.7**
	Sep	105.5	104.0	**105.5**
	Oct	112.1	110.0	**112.0**
	Nov	130.3	113.7	**129.8**
	Dec	130.3	105.7	**129.6**
2017	Jan	108.3	104.5	**108.2**
	Feb	96.9	99.5	**97.0**
	Mar	117.6	111.3	**117.4**
	Apr	99.0	108.5	**99.3**
	May	107.0	109.3	**107.1**
	Jun	107.6	111.9	**107.8**
	Jul	113.8	110.9	**113.8**
	Aug	111.4	112.7	**111.4**
	Sep	111.3	120.6	**111.5**
	Oct	114.6	120.3	**114.8**
	Nov	113.1	125.9	**113.4**
	Dec	112.0	125.0	**112.3**

Table 4: Electricity sales index (2015=100) Continue…

2018	Jan	115.2	130.5	**115.6**
	Feb	103.7	122.3	**104.2**
	Mar	110.5	113.3	**110.6**
	Apr	112.4	120.7	**112.6**
	May	106.6	110.6	**106.7**
	Jun	107.6	112.5	**107.7**
	Jul	117.8	122.8	**118.0**
	Aug	107.1	115.7	**107.4**
	Sep	107.2	123.8	**107.7**
	Oct	109.8	123.9	**110.2**
	Nov	109.8	128.1	**110.3**
	Dec	105.0	134.3	**105.9**
2019	Jan	112.8	145.8	**113.8**
	Feb	102.1	132.9	**103.0**
	Mar	114.0	130.1	**114.4**
	Apr	104.3	127.8	**105.0**
	May	111.2	125.7	**111.6**
	Jun	104.6	119.3	**105.0**
	Jul	110.9	120.0	**111.2**
	Aug	100.9	123.1	**101.5**
	Sep	104.0	127.0	**104.6**
	Oct	107.4	133.6	**108.2**
	Nov	110.3	133.8	**111.0**
	Dec	105.3	127.0	**105.9**
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**

Methodology

Data Sources : The data sources for 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