UGANDA BUREAU OF STATISTICS
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## UGANDA WATER ACCOUNTS REPORT 2021 -2022

November 2023

## FOREWORD

It is with great pleasure and anticipation that we present the Water Accounts Report which is one of the environmental-economic accounts produced by the Uganda Bureau of Statistics (UBOS). The accounts were compiled in accordance with the System of Environmental Economic Accounting (SEEA) and the SEEA-Water which is an international statistical standard for water accounts compilation. These accounts extend the boundaries of the System of National Accounts (SNA) Framework to include environmental resources, which occur outside the economic production and asset boundaries measured by the SNA.

The Water Satellite Accounts extend beyond traditional methods of measuring water's economic impact, offering a more integrated perspective on the interactions between water, economic activities, and the environment. They integrate data from different sources into a consolidated information set making it possible to link physical data on water to economic data. The water supply and use tables provide a framework to link core components of the National Accounts to physical information. They present aggregates of physical data (cubic metres) in terms of the supply and use of water within the economy for the accounting period. The tables illustrate the economic use of water and include: flows from the environment, own abstraction, water distribution, use of water (intermediate consumption) and reuse/return flows

The scope of the water accounts is limited to distributed water, reuse water and waste water, sewerage and drainage services. Distributed water is subdivided into; urban distributed water; rural distributed water; and bulk water (both urban and rural) according to National Water and Sewerage Corporation (NWSC)

This report represents the culmination of collaborative efforts between UBOS, Water Authorities and industries. I would like to extend my gratitude to all those who contributed to the creation of this report.

We appeal to all readers including the policy makers to delve into the wealth of information in this report, to explore the interconnectedness of water with our economy and society and to envision a future where water is managed wisely by making informed decisions so as to ensure its adequacy for generations to come.

For: EXECUTIVE DIRECTOR

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### 1.0 INTRODUCTION

Water satellite accounts are a comprehensive and specialized accounting framework designed to assess and manage water resources and their economic implications. These accounts provide a systematic way to measure and track the various aspects of water availability, usage, and their economic values within a given region or country, this case Uganda.

Uganda's economy is greatly dependent on nature since it is mainly driven by agricultural production and agricultural related industrial activities. In addition, agricultural production is dependent on rain; therefore, any inconsistency in the rainfall can be detrimental to the activity and the country at large. This is all quantified by developing water accounts and since most, if not all economic activities are dependent on water availability, water accounts are prioritized among all accounts.

The water accounts are compiled by estimating and populating three important tables: i) the Water-data input table, ii) the physical water supply table, and iii) the physical water use table; in order to come up with the information stipulated below;

The Gross Water Input for 2022 was estimated at $253,578,894$ million cubic meters which was higher than $220,407,327$ million cubic meters' estimate of 2021. Similarly, total water consumption increased by 17.3 percent; $33,938,875$ million cubic meters in 2022 from 28,921,586 million cubic meters in 2021.

Water use efficiency (WUE) increased to UGX 144,194 in 2022 from UGX 67,573 registered in 2021. The annual water use per capita for 2022 was 5,912,056 cubic metres which was higher than $5,389,531$ cubic meters registered in 2021. The average water use per household per day registered an increase to 52.8 litres in 2022 from 52.6 litres in 2021. The average water consumption per household per day rose to 31.0 litres in 2022 from 30.9 litres in 2021.

### 2.0 PHYSICAL WATER SUPPLY AND USE

In 2022, the amount of water abstracted from the environment rose to an estimate of $253,578,894$ million cubic metres from $220,407,327$ million cubic metres that was abstracted in 2021. This represented an increase of 15.1 percent in the water abstracted. Likewise, the amount of water supplied increased by 14.7 percent, to 219,640,098 million cubic metres in 2022 from 191,485,739 million cubic metres in 2021. Furthermore, the total amount of water used in the economy rose to $253,578,974$ million cubic metres in 2022 from the estimated amount of $220,407,417$ million cubic metres in 2021.

On the other hand, Total water consumption also rose to 17.3 percent from 28,921,678 million cubic metres in 2021 to $33,938,875$ million cubic metres in 2022. Total water return flows to the environment also rose to 185,701,223 million cubic metres in 2022 from 162,564,060 million cubic metres in 2021, See Table 1.

The annual average amount of water returned to the environment for 2022 constituted 73.2 percent of the total water abstracted as shown in the figure below;

Figure 1: Water Supply and Use


Source: Uganda Bureau of Statistics

### 2.1 Water Abstraction by Water Source

Precipitation as the main source of water abstracted in 2022 with an annual average share of 99.95 percent, rose by 15.1 percent in 2022 from a 15.6 percent decline registered in 2021. In addition, water abstracted from surface water bodies increased by 10.1 percent in 2022 to 117,152 million cubic metres from 106,400 million cubic metres in 2021. However, water
abstracted from ground water resources decreased by 0.1 percent in 2022 from an increase of 3.4 percent in 2021. As shown in the figure below;

Figure 2: Water Abstraction by Source


Source: Uganda Bureau of Statistics

### 2.2 Water Abstraction by Purpose

Estimates indicate that total water abstracted for supply and distribution purposes rose by 26.3 percent in 2022 as opposed to the drop of 36.5 percent which was registered in 2021. Water abstracted for own use also increased by 15.6 percent in 2022 as opposed to a 15.6 percent decline in 2021.

### 2.3 Water Abstraction by Economic Activity

The agriculture sector has continuously recorded the largest volumes of water abstracted averaging 99.01 percent of the total water abstracted in 2022. The amount of water abstracted for agricultural activities in 2022 increased by 14.6 percent compared to a decrease of 15.56 percent registered in 2021. The main drivers for the increase in the water abstraction were agriculture rain-fed crop growing and Forestry activities that registered an 8.8 percent increase and a 48.3 percent increase respectively. In addition, livestock also registered a growth of 13.7 percent. However, Fishing recorded a decrease of 16.3 percent even after a rise of 0.02 percent recorded in 2021, See Table 3.

The industry sector average recorded a rise of 0.98 percent in 2022 compared to 0.58 percent of the total share of annual abstraction in 2021. This exhibited an increase of 93.2 percent in the amount of water abstracted by the sector in 2022, differing from a decrease in the annual abstractions of 24.28 percent in 2021. The crude oil and mining had the strongest growth followed by water supply, sewerage and waste management activities in 2022.

The services sector, continued to have a negligible share of the total water abstracted annually for the period under review. However, water abstraction by this sector grew by 1014.4 percent; 61.8 million cubic meters in 2022 from 28.6 percent; 5.54 million cubic metres in 2021. Education, Public administration services and other services were the main drivers in the services sector with an increase of 232.5 percent, 108.5 percent and 1558.9 percent respectively in 2022, See Table 3.

### 2.4 Water Supply by Economic Activity

In 2022 water supply across water abstraction economic activities still was dominated by agriculture activities with an annual average of 98.9 percent supply followed by the industrial activities with 1.06 percent. Agriculture rain-fed crop growing activities dominated the water supply category with an average share of 58.5 percent of the total water supplied annually in 2022. In addition, agricultural activities registered an increase in the amount of water supplied from 190,326,167 million cubic metres in 2021 to $217,314,242$ million cubic metres in 2022 resulting to a 14.18 percent increase despite a decrease of 20.8 percent in irrigation activities, See Table 4.

Water supply within the industrial sector rose to 100.6 percent in 2022 which was dominated by a rise of 222.1 percent in crude oil and mining activities and 109.5 percent in water supply; sewerage and waste management industrial activities. See Table 4.

### 2.5 Water Use by Economic Activity

Total water use was greatly dominated by agriculture sector activities accounting for a 99.0 percent annual average share for 2022. In the agriculture sector, water use rose by 14.6 percent; from $219,118,229$ million cubic metres to $251,088,509$ million cubic metres. This was mainly driven by a rise in forestry activities with 48.3 percent and livestock activities with 13.7 percent in 2022.

The total share of water used by the industry sector averaged 0.98 percent in 2022. Water used by this sector rose by 93.2 percent in 2022 after a decrease of 24.3 percent in 2021. Water Supply, Sewerage and Waste Management Activities dominated the use of water in this sector with a share of 0.93 percent share of the total water use and it registered an increase of 100.7 percent in 2022 following a decrease of 24.3 percent which had been registered in 2021.

For the service sector, water use share is negligible, however it increased by 29.4 percent in 2022 following an increase of 9.05 percent in 2021. Notably, within the service activities, Education's activities dominated water use accounting for an average of 58.3 percent share within the sector, followed by other activities with 26.3 percent share within the sector in 2022, See Table 5.

### 2.6 Water Consumption

Water consumption is that part of water which is not distributed to other economic units and does not return to the environment, because it is either incorporated in products, or consumed by households and livestock. Total water consumption excluding households in 2022 was $33,938,783$ million cubic metres from $28,921,586$ million cubic metres in 2021, representing an increase of 17.3 percent from a decrease of 12.3 percent registered in 2021, See Table 6.

Water consumption by agricultural sector had the largest annual average share of 99.52 percent in 2022. In this sector, agriculture rain fed crop had the biggest share of 42.06 percent, followed by livestock and forestry with 36.1 and 21.2 percent annual average share respectively. Water consumption in agriculture increased by 17.3 percent in 2022 compared to the decrease of 12.6 percent recorded in 2021. This was majorly driven by the increase in water consumed by forestry activities of 48.3 percent and 8.8 percent of livestock activities. However, consumption irrigation activities reduced further by 20.8 percent in 2022 following a decline of 77.4 percent from 2021.

Water consumption by industrial activities had an annual average share of 0.48 percent that was dominated by activities of Water supply; Sewerage and Water Management activities accounting for 0.48 percent share of the industry in 2022. Water consumption by industrial activities grew and this was mainly driven still by the increase in water supply activities of 27.9 percent following the increase registered in 2021 of 331.4 percent. However, there was a reduction of 85.4 percent in the water consumed in for construction activities and a decline of 12.7 percent in manufacturing activities (food and beverages).

Water consumption by service activities continues to be negligible compared to water consumption by agriculture and industrial activities. However, it grew by 37.3 percent in 2022 from 9.1 percent recorded in 2021. Household activities dominated with a 51.8 percentage share. Household water consumption increased by 0.1 percent in 2022 following the growth of 8.6 percent in 2021, See Table 6.

### 3.0 ECONOMIC PROFILES FOR WATER

It is important to compare the environmental performance of industries among each other overtime. This is achieved through use of environmental-economic profiles which compare direct economic benefits and environmental burden/costs. The economic water profiles may be used for benchmarking industrial performance in order to promote water use efficiency and water conservation. Economic profiles of water productivity and Water Use Efficiency for the water accounts are as presented below.

### 3.1 Water Productivity

Water productivity is an indicator that combines two elements, that is economic contribution and environmental burden into a single indicator.

In 2022, water productivity was UGX/m ${ }^{3} 4.47$ from UGX $/ \mathrm{m}^{3} 4.86$ in 2021 representing an annual average decline of 7.9 percent. The activities with greater burden on water resources are, Livestock rearing with the lowest value (UGX/ m ${ }^{3} 0.49$ ), forestry (UGX $/ \mathrm{m}^{3} 0.84$ ), agriculture Rain fed (UGX/m ${ }^{3} 1.40$ ) and Water Supply, Sewerage and Waste Management Activities (UGX/m ${ }^{3} 20.17$ ).

Activities with greater economic contribution and less environmental burden were mainly services activities that registered UGX/m 423,559 in 2022. Apart from other service activities (not classified), education activities had the greatest economic benefit and less environmental burden with water productivity of UGX/m ${ }^{3} 2,684,698$ of value added per cubic metre of water consumed, See Table 7.

### 3.2 Water Use Efficiency (WUE)

Water Use Efficiency (WUE) is the value added divided by the volume of water used for a given industrial activity. In computation, only run-off water and groundwater (so called blue water) are considered when computing this indicator, (FAO, 2018). However, the amount of water of agricultural production carried out in rain-fed conditions and the amount of water abstracted for hydro-power generation (except evaporation at the dam) are excluded.

The WUE registered in 2022 was estimated at UGX 144,194 of value added per cubic metre of water used, equivalent to US\$38.5 per cubic metre. Similar to the previous years, the service sector activities emerged as the most water use efficient activities estimated at UGX $/ m^{3} 369,609$. The drivers were; education followed by health, accommodation and other services. See Table 8.

### 4.0 THE DERIVED AGGREGATES AND INDICATORS

This section presents the social and economic aspects of water with discussions on some implications of the state of the water sector. The purpose is to provide an insight into the outcomes of the current water management and regulation in order to improve water management for sustainability.

Over the reporting period, the highest Gross Water Input of $253,578,894$ million cubic meters was estimated in 2022 which was higher than the estimate of $220,407,327$ million cubic metres registered in 2021. Similarly, Net Domestic Water use of $253,578,880$ million cubic meters estimate for 2022 was higher than 220,407,314 million cubic metres reported in 2021. Due to lack of estimates of imported water, Gross Water Input is almost equal to Net Domestic Water.

### 4.1 Water Consumption and Water Productivity

Water consumption was estimated at $33,938,783$ million cubic metres in 2022, leading to water productivity of UGX/m ${ }^{3} 4.47$. As indicated in Figure below, water productivity has continued to grow compared to water consumption. Industry and service sectors registered the highest amount of water consumption with corresponding lowest water productivity. However, the agricultural sector registered a drop of 11.3 percent in water productivity despite the rise in its water consumption of 17.3 percent. Therefore, in order to increase on water productivity for these economic units, the opportunities for improving water productivity should be identified and implemented.

Figure 3: Water Consumption and Water Productivity


Source: Uganda Bureau of Statistics

### 4.2 Water Use Efficiency (WUE)

The WUE excluding households of UGX 144,194 was registered in 2022. This was higher than, UGX 67,573 registered in 2021 implying that more water was used with a corresponding
increase in GDP. Service activities registered the highest WUE while industry activities registered the lowest WUE as shown in the Figure 2 below.

Figure 4: Water Use Efficiency


Source: Uganda Bureau of Statistics

### 4.3 Water Consumption and Use Per Capita

The annual water use per capita for 2022 was $5,912,056$ litres and the annual water consumption per capita of 791,264 litres which was higher than 707,207 litres which was registered in 2021 as shown in the Figure 3.

Figure 5: Water Consumption and Use and Use Per Capita


Source: Uganda Bureau of Statistics

### 4.4 Water Consumption and Use per Household per Day

The average water use per household per day for 2022 increased to 52.8 litres from 52.6 litres recorded in 2021 while the average water consumption per household per day also increased to 31.0 litres from 30.9 recorded in 2021 as shown in the Figure below.

Figure 6; Water Consumption and Use per Household per Day


[^0]
## APPENDIX

Table 1: Physical Supply and Use of Water ('000 cubic metres), 2019 to 2022

|  | 2019 | 2020 | 2021 | 2022 |
| :---: | :---: | :---: | :---: | :---: |
| Total abstraction | 255,463,815,992 | 261,209,916,032 | 220,407,327,498 | 253,578,894,825 |
| Total supply | 223,222,443,920 | 228,246,511,174 | 191,485,739,063 | 219,640,098,876 |
| Total use of water | 255,463,839,998 | 261,209,925,328 | 220,407,417,470 | 253,578,974,541 |
| Consumption= <br> Total use- Total Supply | 32,241,396,078 | 32,963,414,154 | 28,921,678,407 | 33,938,875,666 |
| All return flows to envt | 190,981,047,841 | 195,283,097,020 | 162,564,060,657 | 185,701,223,210 |

Source: Uganda Bureau of Statistics
Table 2: Water abstracted by water resource and purpose ('000 cubic metres), 2019-2022

| Water Resource and purpose | 2019 | 2020 | 2021 | 2022 |
| :---: | :---: | :---: | :---: | :---: |
| Surface Water | 110,605,252 | 138,701,719 | 106,400,331 | 117,152,651 |
| Supply and distribution | - | 164,536 | 102,971 | 132,561 |
| Own Use | 110,605,252 | 138,537,183 | 106,297,360 | 117,020,091 |
| Groundwater | 202,609 | 222,771 | 230,238 | 230,031 |
| Supply and distribution | 2 | 10,996 | 8,559 | 8,268 |
| Own Use | 202,607 | 211,775 | 221,678 | 221,763 |
| DWRM | 340 | 6,802 | 8,125 | 9,362 |
| Other ground | 18,955 | 19,214 | 24,083 | 21,863 |
| Other Valley dams \& water | 38,699 | 40,989 | 44,175 | 46,374 |
| Other springs, fountains and wells | 144,613 | 144,771 | 145,294 | 144,164 |
| Precipitation | 255,352,990,877 | 261,070,991,542 | 220,300,696,930 | 253,461,512,142 |
| Supply and distribution |  |  |  |  |
| Own Use | 255,352,990,877 | 261,070,991,542 | 220,300,696,930 | 253,461,512,142 |
| Total Abstracted Water | 255,463,798,738 | 261,209,916,032 | 220,407,327,498 | 253,578,894,825 |
| Supply and distribution | 2 | 175,531 | 111,531 | 140,829 |
| Own Use | 255,463,798,737 | 261,209,740,500 | 220,407,215,968 | 253,578,753,996 |

[^1]Table 3: Water Abstraction by Economic Activity ('000 cubic metres), 2019 to 2022

|  | 2019 | 2020 | 2021 | 2022 |
| :---: | :---: | :---: | :---: | :---: |
| Agriculture |  |  |  |  |
|  | 253,823,708,281 | 259,507,380,043 | 219,118,196,718 | 251,088,473,582 |
| Agriculture (Irrigation) |  |  |  |  |
|  | 262,585 | 190,610 | 43,157 | 34,182 |
| Agriculture (Rain fed crop) |  |  |  |  |
|  | 169,768,210,667 | 173,569,751,667 | 131,257,707,639 | 142,759,788,319 |
| Agriculture (Livestock) |  |  |  |  |
|  | 52,592,140,631 | 53,769,813,508 | 63,534,453,739 | 72,255,063,031 |
| Agriculture Support Services |  |  |  |  |
| Agriculture (Forestry) |  |  |  |  |
|  | 31,462,907,977 | 32,167,442,983 | 24,325,810,864 | 36,073,436,224 |
| Agriculture (Fishing) |  |  |  |  |
|  | 186,421 | 181,275 | 181,319 | 151,826 |
| Industry |  |  |  |  |
|  | 1,640,103,574 | 1,702,531,677 | 1,289,125,235 | 2,490,359,439 |
| Crude oil and Mining |  |  |  |  |
|  | 37,304 | 8,578 | 9,494 | 30,583 |
| Manufacturing (Food and Beverages) | 40,076 | 107,244 | 165,322 | 141,353 |
| Manufacturing (Other) |  |  |  |  |
|  | 7,414 | 7,443 | 7,972 | 6,693 |
| Electricity |  |  |  |  |
|  | 109,858,929 | 137,902,440 | 104,790,244 | 116,577,849 |
| Water Supply; Sewerage and Waste Management Activities | 1,529,935,581 | 1,564,212,055 | 1,182,895,689 | 2,373,421,816 |
| Construction |  |  |  |  |
|  | 224,270 | 293,918 | 1,256,513 | 181,145 |
| Services |  |  |  |  |
|  | 4,136 | 4,312 | 5,546 | 61,804 |
| Accommodation |  |  |  |  |
|  | 367 | 466 | 390 | 363 |
| Public Administration |  |  |  |  |
|  | 78 | 71 | 120 | 250 |
| Education |  |  |  |  |
|  | 270 | 260 | 184 | 611 |
| Health |  |  |  |  |
|  | 1,066 | 1,141 | 1,266 | 1,084 |
| Other |  |  |  |  |
|  | 2,356 | 2,375 | 3,587 | 59,496 |
| Households |  |  |  |  |
|  | - | - | - | - |
| Total | $\mathbf{2 5 5 , 4 6 3 , 8 1 5 , 9 9 2}$ | 261,209,916,032 | 220,407,327,498 | $\mathbf{2 5 3 , 5 7 8 , 8 9 4 , 8 2 5}$ |
|  |  |  |  |  |

Table 4: Water Supply by Economic Activity ('000 cubic metres), 2019 to 2022


[^2]Table 5: Water Use by Economic Activity ('000 cubic metres), 2019 to 2022

|  | 2019 | 2020 | 2021 | 2022 |
| :---: | :---: | :---: | :---: | :---: |
| Agriculture | 253,823,737,239 | 259,507,410,016 | 219,118,229,260 | 251,088,509,526 |
| Agriculture (Irrigation) | 262,585 | 190,610 | 43,157 | 34,182 |
| Agriculture (Rain fed crop) | 169,768,210,667 | 173,569,751,667 | 131,257,707,639 | 142,759,788,319 |
| Agriculture (Livestock) | 52,592,169,589 | 53,769,843,481 | 63,534,486,282 | 72,255,098,974 |
| Agriculture Support Services |  |  |  |  |
| Agriculture (Forestry) | 31,462,907,977 | 32,167,442,983 | 24,325,810,864 | 36,073,436,224 |
| Agriculture (Fishing) | 186,421 | 181,275 | 181,319 | 151,826 |
| Industry | 1,639,917,529 | 1,702,324,572 | 1,288,980,212 | 2,490,195,785 |
| Crude oil and Mining | 38,668 | 9,989 | 11,027 | 32,275 |
| Manufacturing (Food and Beverages) | 52,643 | 120,251 | 179,448 | 156,953 |
| Manufacturing (Other) | 13,762 | 14,013 | 15,108 | 14,573 |
| Electricity | 109,859,158 | 137,902,677 | 104,790,502 | 116,578,133 |
| Water Supply; Sewerage and Waste Management Activities | 1,529,727,077 | 1,563,981,698 | 1,182,725,411 | 2,373,230,289 |
| Construction | 226,223 | 295,944 | 1,258,716 | 183,561 |
| Services | 185,230 | 190,741 | 207,998 | 269,231 |
| Accommodation | 3,332 | 3,550 | 3,748 | 4,021 |
| Public Administration | 23,164 | 23,975 | 26,080 | 28,890 |
| Education | 2,090 | 2,169 | 2,271 | 2,832 |
| Health | 4,495 | 4,715 | 5,162 | 5,303 |
| Other | 11,632 | 11,996 | 14,047 | 70,981 |
| Households | 140,516 | 144,336 | 156,691 | 157,205 |
| Total | 255,463,839,998 | 261,209,925,328 | 220,407,417,470 | 253,578,974,541 |

Source: Uganda Bureau of Statistics

Table 6: Water Consumption by Economic Activity ('000 cubic metres), 2019 to 2022

|  | 20192020 |  | 2021 | 2022 |
| :---: | :---: | :---: | :---: | :---: |
| Agriculture | 32,210,444,507 | 32,931,672,238 | 28,792,061,572 | 33,774,267,062 |
| Agriculture (Irrigation) | 131,293 | 95,305 | 21,578 | 17,091 |
| Agriculture (Rain fed crop) | 16,976,821,067 | 17,356,975,167 | 13,125,770,764 | 14,275,978,832 |
| Agriculture (Livestock) | 8,940,722,342 | 9,140,929,534 | 10,800,923,380 | 12,283,431,793 |
| Agriculture Support Services |  |  |  |  |
| Agriculture (Forestry) | 6,292,583,384 | 6,433,490,957 | 4,865,164,530 | 7,214,687,520 |
| Agriculture (Fishing) | 186,421 | 181,275 | 181,319 | 151,826 |
| Industry | 30,836,419 | 31,623,292 | 129,487,313 | 164,430,777 |
| Crude oil and Mining | 12,555 | 3,985 | 4,381 | 10,867 |
| Manufacturing (Food and Beverages) | 25,694 | 59,476 | 89,019 | 77,698 |
| Manufacturing (Other) | 5,251 | 5,343 | 5,758 | 5,515 |
| Electricity | 109,859 | 137,903 | 104,790 | 116,578 |
| Water Supply; Sewerage and Waste Management Activities | 30,502,235 | 31,179,988 | 128,276,563 | 164,073,460 |
| Construction | 180,825 | 236,597 | 1,006,801 | 146,659 |
| Services | 115,152 | 118,625 | 129,522 | 177,827 |
| Accommodation | 2,437 | 2,603 | 2,741 | 2,933 |
| Public Administration | 16,690 | 17,275 | 18,795 | 20,827 |
| Education | 1,541 | 1,599 | 1,669 | 2,103 |
| Health | 3,336 | 3,503 | 3,838 | 3,920 |
| Other | 8,576 | 8,841 | 10,418 | 55,879 |
| Households | 82,572 | 84,803 | 92,062 | 92,166 |
| Total excl. households | 32,241,313,506 | 32,963,329,351 | 28,921,586,345 | 33,938,783,499 |

Table 7: Water productivity by Economic Activity (UGX per cubic meter), 2019 to 2022

|  | 2019 | 2020 | 2021 | 2022 |
| :---: | :---: | :---: | :---: | :---: |
| Agriculture |  |  |  |  |
|  | 1.02 | 1.00 | 1.22 | 1.08 |
| Agriculture (Irrigation) |  |  |  |  |
|  | 7,237.02 | 9,969.74 | 46,019.55 | 61,714.56 |
| Agriculture (Rain fed crop) |  |  |  |  |
|  | 1.06 | 1.04 | 1.44 | 1.40 |
| Agriculture (Livestock) |  |  |  |  |
|  | 0.56 | 0.55 | 0.52 | 0.49 |
| Agriculture Support Services |  |  |  |  |
| Agriculture (Forestry) |  |  |  |  |
|  | 0.89 | 0.87 | 1.24 | 0.84 |
| Agriculture (Fishing) |  |  |  |  |
|  | 17,808.95 | 18,314.55 | 19,146.01 | 21,454.47 |
| Industry |  |  |  |  |
|  | 1,192.70 | 1,163.02 | 290.88 | 250.10 |
| Crude oil and Mining |  |  |  |  |
|  | 184,028.99 | 579,828.62 | 563,322.17 | 231,275.46 |
| Manufacturing (Food and Beverages) |  |  |  |  |
|  | 410,463.76 | 177,322.96 | 123,836.81 | 156,874.37 |
| Manufacturing (Other) |  |  |  |  |
|  | 2,115,648.85 | 2,079,336.26 | 2,016,674.55 | 2,328,322.91 |
| Electricity |  |  |  |  |
|  | 17,045.48 | 13,579.15 | 18,914.44 | 18,156.16 |
| Water Supply; Sewerage and Waste Management Activities | 101.98 | 99.76 | 24.23 | 20.17 |
| Construction |  |  |  |  |
|  | 43,294.99 | 33,089.27 | 7,420.95 | 55,618.56 |
| Services |  |  |  |  |
|  | 609,293.55 | 591,458.95 | 531,214.39 | 423,559.60 |
| Accommodation |  |  |  |  |
|  | 1,579,703.70 | 1,479,059.91 | 1,274,907.63 | 1,201,495.69 |
| Public Administration |  |  |  |  |
|  | 219,787.73 | 212,348.34 | 215,056.92 | 218,728.83 |
| Education |  |  |  |  |
|  | 3,870,923.86 | 3,728,658.51 | 3,298,275.65 | 2,684,698.97 |
| Health |  |  |  |  |
|  | 1,362,584.26 | 1,297,638.58 | 1,212,105.73 | 1,378,534.75 |
| Other |  |  |  |  |
|  | 5,955,432.07 | 5,776,849.19 | 4,805,450.34 | 985,443.38 |
| Households |  |  |  |  |
|  | 12,828.32 | 12,490.86 | 11,398.68 | 12,233.06 |
| Total |  |  |  |  |
|  | 4.31 | 4.21 | 4.86 | 4.47 |

Source: Uganda Bureau of Statistics

Table 8:Water Use Efficiency (WUE) by Economic Activity - (UGX per cubic meter)

|  | 2019 | 2020 | 2021 | 2022 |
| :---: | :---: | :---: | :---: | :---: |
| Agriculture |  |  |  |  |
|  | 65,827 | 77,204 | 122,731 | 144,351 |
| Agriculture (Irrigated crop) |  |  |  |  |
|  | 3,619 | 4,985 | 23,010 | 30,857 |
| Agriculture (Rain fed crop) |  |  |  |  |
| Agriculture (Livestock) |  |  |  |  |
|  | 74,298 | 70,866 | 73,411 | 72,900 |
| Agriculture Support Services |  |  |  |  |
| Agriculture (Forestry) |  |  |  |  |
| Agriculture (Fishing) |  |  |  |  |
|  | 19,477 | 20,083 | 20,994 | 23,975 |
| Industry |  |  |  |  |
|  | 57,657 | 45,487 | 21,624 | 59,775 |
| Crude oil and Mining |  |  |  |  |
|  | 59,751 | 231,297 | 223,797 | 77,873 |
| Manufacturing (Food and Beverages) |  |  |  |  |
|  | 200,341 | 87,704 | 61,432 | 77,659 |
| Manufacturing (Other) |  |  |  |  |
|  | 807,290 | 792,802 | 768,644 | 881,059 |
| Electricity |  |  |  |  |
|  | 11,875 | 9,462 | 11,736 | 13,251 |
| Water Supply; Sewerage and Waste Management Activities | 20,891 | 18,250 | 28,594 | 23,483 |
| Construction |  |  |  |  |
|  | 34,607 | 26,454 | 5,936 | 44,437 |
| Services |  |  |  |  |
|  | 589,562 | 567,574 | 506,294 | 369,609 |
| Accommodation |  |  |  |  |
|  | 1,155,495 | 1,084,748 | 932,612 | 876,484 |
| Public Administration |  |  |  |  |
|  | 158,360 | 152,999 | 154,983 | 157,680 |
| Education |  |  |  |  |
|  | 2,853,476 | 2,749,247 | 2,424,261 | 1,993,215 |
| Health |  |  |  |  |
|  | 1,011,295 | 964,087 | 901,109 | 1,018,972 |
| Other |  |  |  |  |
|  | 4,390,786 | 4,257,778 | 3,563,849 | 775,781 |
| Activities of Households |  |  |  |  |
|  | 14,258 | 13,719 | 12,406 | 12,287 |
| Total, excl households, Ushs |  |  |  |  |
|  | 117,320 | 108,305 | 67,573 | 144,194 |
| Total, excl households, US\$ |  |  |  |  |
|  | 32 | 29 | 18 | 39 |

Source: Uganda Bureau of Statistics

Table 9: Summary of derived Aggregates and Indicators, 2019-2022

|  | 20192020 |  | 20212022 |  |
| :---: | :---: | :---: | :---: | :---: |
| Gross Water Input '000 cubic metres | 255,463,815,992 | 261,209,916,032 | 220,407,327,498 | 253,578,894,825 |
| Net Domestic Water use '000 cubic metres | 255,463,804,109 | 261,209,903,733 | 220,407,314,145 | 253,578,880,076 |
| Water Consumption '000 cubic metres | 32,241,313,506 | 32,963,329,351 | 28,921,586,345 | 33,938,783,499 |
| Water productivity, shs | 4.31 | 4.21 | 4.86 | 4.47 |
| Water Use Efficiency Shs/cubic meters of value added | 117,320 | 108,305 | 67,573 | 144,194 |
| Annual Water use per capita, Litres | 6,461,654 | 6,430,364 | 5,389,531 | 5,912,056 |
| Annual Water consumption per capita, Litres | 815,506 | 811,478 | 707,207 | 791,264 |
| Water use per HH per day, Litres | 47.2 | 48.5 | 52.6 | 52.8 |
| Water Consumption per HH per day, Litres | 27.7 | 28.5 | 30.9 | 31.0 |
| \% of losses in the supply and distribution chain | 30.0\% | 30.0\% | 35.5\% | 34.9\% |

Note 1: Volume of imported water is not included.
Source: Uganda Bureau of Statistics

Table 10 A: 2021 Physical Supply Table for Water Accounts, '000 cubic meters

| Industries by SIC | Agricultur <br> e <br> (Irrigation <br> ) | Agriculture (Rain fed crop) | Agriculture (Livestock) | Agriculture (Forestry) | Agriculture (Fishing) | Crude oil and Mining | Manufactur ing (Food and Beverages) | Manufact <br> uring <br> (Other) | Electricity | Water Supply; <br> Sewerage and Waste <br> Management <br> Activities | Constructio | $\begin{array}{\|l} \begin{array}{l} \text { Accom } \\ \text { modati } \\ \text { on } \end{array} \\ \hline \end{array}$ | Public Admini stration | $\begin{array}{\|l\|l}  \\ \text { Educati } \\ \text { on } \end{array}$ | Health | Other | $\begin{aligned} & \text { Househol } \\ & \text { ds } \end{aligned}$ | Accu mulati on | $\begin{aligned} & \text { Rest of } \\ & \text { the } \\ & \text { World } \\ & \hline \end{aligned}$ | Flows from the environment | Total Supply |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Inland Water Resources |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Soil Water |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 10,663,0569 | 10,6630,569 |
| Other water sources |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 220300696930 | 220300696930 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (II) Abstracted water |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| For distribution- <br> NWSC $\square$ $\square$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| For own use | 43157 | 131257707639 | 63534453739 | 24325810864 | 181319 | 9494 | 165322 | 7972 | 104790244 | 1182784158 | 1256513 | 390 | 120 | 184 | 1266 | 3587 |  |  |  |  | 220407215968 |
| Total | 43157 | 131257707639 | 63534453739 | 24325810864 | 181319 | 9494 | 165322 | 7972 | 104790244 | 1182972307 | 1256513 | 390 | 120 | 184 | 1266 | 3587 |  |  |  |  | 220407404117 |
| (III) Supply of water to other economic units of which: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wastewater |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wastewater to treatment |  |  | 3254 |  |  |  | 1410 | 712 | 26 |  | 215 | 321 | 2586 | 184 | 365 | 1025 | 3254 |  |  |  | 13353 |
| Own treatment |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Reused water |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| For distribution |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| For own use |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  | 3254 |  |  |  | 1410 | 712 | 26 | 0 | 215 | 321 | 2586 | 184 | 365 | 1025 | 3254 |  |  |  | 13353 |
| (IV) Return flows of water |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| To inland water resources |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Surface Water |  | 39377312292 | 15883602303 | 2432580792 |  |  | 53412 | 4319 | 104685685 | 1159067916 |  |  |  |  |  |  |  |  |  |  | 58957306718 |
| Groundwater | 21578 | 26251541528 | 9530161382 | 4865161583 |  |  | 17804 |  |  | -104619068 |  |  |  |  |  |  |  |  |  |  | 40542284807 |
| Other sources |  | 52503083056 | 27319795962 | 12162903959 |  | 6646 | 17804 | 4319 |  |  | 251700 | 685 | 4699 | 417 | 959 | 2604 | 61375 |  |  |  | 91986134185 |
| Total returns flows | 21578 | 118131936875 | 52733559647 | 19460646334 | 0 | 6646 | 89019 | 8637 | 104685685 | 1054448848 | 251700 | 685 | 4699 | 417 | 959 | 2604 | 61375 |  |  |  | 191485725710 |
| of which: Losses in distribution |  |  |  |  |  |  |  |  |  | -104619068 |  |  |  |  |  |  |  |  |  |  | -104619068 |
| (V) Evaporation of abstracted water, transpiration and water incorporated into products | 21578 | 13125770764 | 10800923380 | 4865164530 | 181319 | 4381 | 89019 | 5758 | 104790 | 128199945 | 1006801 | 2741 | 18795 | 1669 | 3838 | 10418 | 92062 |  |  |  | 28921601788 |
| Evapotranspiration of abstracted water |  | 211541305 | 102395216 | 39204660 | 195633 | 15 | 266 | 13 | 168885 | 1906296 | 2025 | 1 |  |  | 2 | 6 | 116 |  |  |  |  |
| Water incorporated into products |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total supply | 86313 | 262515415278 | 127068940021 | 48651621728 | 362639 | 20521 | 344770 | 23080 | 209580746 | 2365621100 | 2515229 | 4137 | 26200 | 2455 | 6428 | 17633 | 156691 |  |  | 220407327498 | 661222072467 |

Table 10 B: 2021 Physical Use Table for Water Accounts, "000 cubic meters

|  | Agricult ure <br> (Irrigati <br> on) | Agriculture (Rainfed crop) | $\begin{array}{\|l} \begin{array}{l} \text { Agriculture } \\ \text { (Livestock) } \end{array} \\ \hline \end{array}$ | Agriculture (Forestry) | Agricult ure (Fishing) | Crude oil and Mining | Manufactu ring (Food and <br> Beverages) | Manufac turing (Other) | Electricity | Water Supply; <br> Sewerage and <br> Waste <br> Management <br> Activities | Constructi <br> on | $\begin{aligned} & \text { Accom } \\ & \text { modati } \\ & \text { on } \end{aligned}$ | Public Admin istratio $\qquad$ | $\begin{aligned} & \text { Educat } \\ & \text { ion } \end{aligned}$ | Health | Other | $\begin{aligned} & \text { Househol } \\ & \text { ds } \end{aligned}$ | $\begin{array}{\|l\|} \text { Acc } \\ \text { umu } \\ \text { latio } \\ \mathbf{n} \end{array}$ | Rest of <br> the <br> World | Flows to the | Total Use |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Inland Water Resources |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Surface Water | 42,647 | - | 110 | 2,941 | 32,273 | 5,533 | 163,247 | 5,385 | 104,790,190 | 109,117 | 1,245,680 | 274 | 1 | 41 | 1,226 | 1,667 |  |  |  |  | 106,400,331 |
| Groundwater | 510 | - | 44,416 | 6 | 133,083 | 3,962 | 2,075 | 2,587 | 54 | 30,376 | 10,833 | 116 | 119 | 142 | 40 | 1,919 |  |  |  |  | 230,238 |
| Soil Water |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total | 43,157 | - | 44,525 | 2,947 | 165,355 | 9,494 | 165,322 | 7,972 | 104,790,244 | 139,493 | 1,256,513 | 390 | 120 | 184 | 1,266 | 3,587 |  |  |  |  | 106,630,569 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Collection of Precipitation |  | 131,257,707,639 | 63,534,409, 214 | 24,325,807,917 | 15,964 |  |  |  |  | 1,182,756,196 |  |  |  |  |  |  |  |  |  |  | 220,300,696,930 |
| Total |  | 131,257,707,639 | 63,534,409,214 | 24,325,807,917 | 15,964 |  |  |  |  | 1,182,756,196 |  |  |  |  |  |  |  |  |  |  | 220,300,696,930 |
| Total Use of Abstracted Water | 43,157 | 131,257,707,639 | 63,534,453,739 | 24,325,810,864 | 181,319 | 9,494 | 165,322 | 7,972 | 104,790,244 | 1,182,895,689 | 1,256,513 | 390 | 120 | 184 | 1,266 | 3,587 |  |  |  |  | 220,407,327,498 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Distributed WaterNWSC |  |  | 32,542 |  |  | 1,532 | 14,099 | 7,122 | 257 |  | 2,151 | 3,208 | 25,864 | 1,845 | 3,650 | 10,250 | 77,604 |  |  |  | 180,126 |
| Distributed Waterother Water supply industry |  |  |  |  |  |  | 27 | 14 |  |  | 52 | 149 | 96 | 242 | 246 | 211 | 6,986 |  |  |  | 8,023 |
| For own use | 43,157 | 131,257,707,639 | 63,534,453,739 | 24,325,810,864 | 181,319 | 9,494 | 165,322 | 7,972 | 104,790,244 | 1,182,712,058 | 1,256,513 | 390 | 120 | 184 | 1,266 | 3,587 | 72,101 |  |  |  | 220,407,215,968 |
| Total | 43,157 | 131,257,707,639 | 63,534,486,282 | 24,325,810,864 | 181,319 | 11,027 | 179,448 | 15,108 | 104,790,502 | 1,182,712,058 | 1,258,716 | 3,748 | 26,080 | 2,271 | 5,162 | 14,047 | 156,691 |  |  |  | 220,407,404,117 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wastewater |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Own treatment |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Reused water |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Distributed reused |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  | 13,353 |  |  |  |  |  |  |  |  |  |  | 13,353 |
| (IV) Return flows of water |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Return flows of water <br> to the environment |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| To inland water resources |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total returns flows |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 191,485,725,710 | 191,485,725,710 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Water incorporated into products |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total use | 86,313 | 262,515,415,278 | 127,068,940,021 | 48,651,621,728 | 362,639 | 20,521 | 344,770 | 23,080 | 209,580,746 | 2,365,621,100 | 2,515,229 | 4,137 | 26,200 | 2,455 | 6,428 | 17,633 | 156,691 |  | 0 | 220,407,327,498 | 661,222,072,467 |

## Table 11 A: 2022 Physical Supply Table for Water Accounts, "000 cubic meters

| Industries by SIC | $\begin{gathered} \text { Agricultur } \\ \text { e } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Agriculture } \\ \text { (Rainfed crop) } \end{gathered}$ | $\begin{aligned} & \text { Agriculture } \\ & \text { (Livestock) } \end{aligned}$ | $\begin{aligned} & \text { Agriculture } \\ & \text { (Forestry) } \end{aligned}$ | $\begin{array}{\|c\|} \hline \text { Agricultu } \\ \text { re } \end{array}$ | $\begin{aligned} & \text { Crude } \\ & \text { oil and } \end{aligned}$ | $\begin{aligned} & \text { Manufa } \\ & \text { cturing } \end{aligned}$ | $\begin{array}{\|l\|} \hline \text { Manu } \\ \text { factur } \end{array}$ | Electricity | Water Supply; | $\begin{array}{\|c\|} \hline \text { Construct } \\ \text { ion } \\ \hline \end{array}$ |  | $\begin{gathered} \text { Public } \\ \text { Administ } \end{gathered}$ | $\begin{array}{\|c\|} \hline \text { Educat } \\ \text { ion } \\ \hline \end{array}$ | Health | Other | $\begin{gathered} \hline \text { Household } \\ \mathrm{s} \end{gathered}$ | $\begin{array}{\|l\|} \hline \mathbf{A} \\ \mathbf{c} \end{array}$ | $\begin{array}{\|l} \hline \mathrm{Re} \\ \mathrm{st} \end{array}$ | Flows from the environment | Total Supply |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (I) Sources of Abstracted Water | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Inland Water Resources | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Surface Water | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 117,152,651 | 117,152,651 |
| Groundwater | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 230,031 | 230,031 |
| Soil Water | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 117,382,682 | 117,382,682 |
| Other water sources | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Precipitation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 253,461,512,142 | 253,461,512,142 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 253,461,512,142 | 253,461,512,142 |
| Total Supply Abstracted Water | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 253,578,894,825 | 253,578,894,825 |
| (II) Abstracted water | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| For distribution-NWSC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198,953 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 198,953 |
| For distribution- Other distributors | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,844 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 6,844 |
| For own use | 34,182 | 142,759,788,319 | 72,255,063,031 | 36,073,436,224 | 151,826 | 30,583 | 141,353 | 6,693 | 116,577,849 | 2,373,280,987 | 181,145 | 363 | 250 | 611 | 1,084 | 59,496 | 0 | 0 | 0 | 0 | 253,578,753,996 |
| Total | 34,182 | 142,759,788,319 | 72,255,063,031 | 36,073,436,224 | 151,826 | 30,583 | 141,353 | 6,693 | 116,577,849 | 2,373,486,784 | 181,145 | 363 | 250 | 611 | 1,084 | 59,496 | 0 | 0 | - | 0 | 253,578,959,793 |
| (III) Supply of water to other economic unitsof which: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | . |
| Wastewater | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wastewater to treatment | - | - | 3,594 | - | - | - | 1,557 | 787 | 28 | - | 238 | 354 | 2,857 | 204 | 403 | 1,132 | 3,594 | 0 | 0 | 0 | 14,749 |
| Own treatment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Reused water | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| For distribution | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| For own use | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Total | 0 | 0 | 3594.386865 | 0 | 0 | 0 | $\begin{gathered} 1557.311 \\ 286 \\ \hline \end{gathered}$ | $\begin{gathered} 786.59 \\ 5098 \\ \hline \end{gathered}$ | 28.37850148 | 0 | $\begin{array}{\|c} 237.62456 \\ 23 \\ \hline \end{array}$ | $\begin{array}{r} 354.3 \\ 5004 \\ \hline \end{array}$ | $\begin{gathered} 2856.768 \\ 002 \\ \hline \end{gathered}$ | $\begin{gathered} 203.777 \\ 7275 \\ \hline \end{gathered}$ | $\begin{gathered} 403.202 \\ 7961 \\ \hline \end{gathered}$ | $\begin{gathered} 1132.08 \\ 4066 \end{gathered}$ | $\begin{gathered} 3594.3868 \\ 65 \\ \hline \end{gathered}$ | 0 | 0 | 0 | 14,749 |
| (IV) Return flows of water | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| To inland water resources | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Surface Water | . | 42,827,936,496 | 18,063,754,092 | 3,607,343,588 | . | . | 46,619 | 4,136 | 116,461,527 | 2,325,762,384 | . | . | . | . | . | . | - | 0 | 0 | 0 | 66,941,308,841 |
| Groundwater | 17,091 | 28,551,957,664 | 10,838,252,455 | 7,214,687,176 | - | - | 15,540 | - | - | (116,605,555) | - | - | - | - | - | - | - | 0 | 0 | 0 | 46,488,324,371 |
| Other sources | - | 57,103,915,328 | 31,069,657,039 | 18,036,717,941 | . | 21,408 | 15,540 | 4,136 | . | - | 36,665 | 733 | 5,207 | 526 | 980 | 13,970 | 61,444 | 0 | 0 | 0 | 106,210,450,915 |
| Total returns flows | 17090.7744 | $\begin{gathered} 128483899487.2 \\ 5 \\ \hline \end{gathered}$ | ${ }^{3} 59971663587$ | 28858748705 | 0 | $\begin{gathered} 21407.89 \\ 837 \\ \hline \end{gathered}$ | $\begin{gathered} \hline 77698.03 \\ \hline \end{gathered}$ | $\begin{array}{\|l} \hline 8271.7 \\ 70365 \\ \hline \end{array}$ | 116461526.6 | 2209156829 | $\begin{gathered} 36664.669 \\ 22 \\ \hline \end{gathered}$ | $\begin{array}{r} 733.2 \\ 6053 \\ \hline \end{array}$ | $\begin{gathered} 5206.646 \\ 401 \\ \hline \end{gathered}$ | $\begin{array}{\|c\|} \hline 525.640 \\ 0683 \\ \hline \end{array}$ | $\begin{gathered} 979.904 \\ 9995 \\ \hline \end{gathered}$ | $\begin{gathered} 13969.7 \\ \hline 0626 \\ \hline \end{gathered}$ | $\begin{aligned} & 61444.321 \\ & 21 \\ & \hline \end{aligned}$ | 0 | 0 | 0 | 219,640,084,127 |
| of which: Losses in distribution | - | - | - | - | . | - | - | - | - | (116,605,555) | - | . | - | . | . | . | - | 0 | 0 | 0 | $(116,605,555)$ |
| (V) Evaporation of abstracted water, transpiration and water incorporated into | 17,091 | 14,275,978,832 | 12,283,431,793 | 7,214,687,520 | 151,826 | 10,867 | 77,698 | 5,515 | 116,578 | 164,008,493 | 146,659 | 2,933 | 20,827 | 2,103 | 3,920 | 55,879 | 92,166 | 0 | 0 | 0 | 33,938,810,698 |
| Evapotranspiration of abstracted water | - | 195,605,631 | 99,001,948 | 49,426,854 | 191,353 | 42 | 194 | 9 | 159,732 | 3,251,909 | 248 | 0 | 0 | 1 | 1 | 82 | 90 |  |  | . | - |
| Water incorporated into products | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |  | - | - | - |
| Total supply | 68,363 | 285,519,576,638 | 144,510,162,005 | 72,146,872,449 | 303,652 | 62,858 | 298,307 | 21,266 | 233,155,982 | 4,746,652,105 | 364,706 | 4,384 | 29,140 | 3,443 | 6,387 | 130,477 | 157,205 | 0 | 0 | 253,578,894,825 | 760,736,764,191 |

Table 11 B: 2022 Physical Use Table for Water Accounts, "000 cubic meters

|  | Agriculture (Irrigation) | $\begin{array}{\|c\|c} \text { Agriculture } \\ \text { (Rainfed crop) } \end{array}$ | Agriculture (Livestock) | $\begin{gathered} \text { Agriculture } \\ \text { (Forestry) } \end{gathered}$ | Agriculture (Fishing) | Crude oil and Mining | Manufacturing <br> (Food and <br> Beverages) | Manufacturing (Other) | Electricity | Water <br> Supply; <br> Sewerage <br> and Waste <br> Management <br> Activities | Construction | Accommodation | $\begin{array}{\|c\|} \text { Public } \\ \text { Administration } \end{array}$ | Education | Health | Other H | Households | Accumulation | $\left.\begin{gathered} \text { Rest } \\ \text { of the } \\ \text { nWorld } \end{gathered} \right\rvert\,$ | Flows to the environment | Total Use |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (I) Sources of Abstracted Water | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Inland Water Resources | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Surface Water | 33,547 | - | 43 | 336 | 2,789 | 25,961 | 139,279 | 4,539 | 116,577,649 | 138,135 | 171,182 | 237 | 30 | 419 | 1,055 5 | 57,449 | - | 0 | 0 | 0 | 117,152,651 |
| Groundwater | 634 | - | 46,618 | 7 | 133,073 | 4,622 | 2,074 | 2,154 | 200 | 28,073 | 9,963 | 126 | 220 | 191 | 29 2, | 2,047 | - | 0 | 0 | 0 | 230,031 |
| Soil Water | 0 | - | - | - |  | - | - |  | - | - |  | - | - | - | - | 0 | - | 0 | 0 | 0 | - |
| Total | 34,182 | - | 46,661 | 343 | 135,862 | 30,583 | 141,353 | 6,693 | 116,577,849 | 166,208 | 181,145 | 363 | 250 | 611 | 1,084 5 | 59,496 | - | 0 | 0 | 0 | 117,382,682 |
| Other water sources | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Collection of Precipitation | 0 | 142,759,788,319 | 72,255,016,370 | 36,073,435,881 | 15,964 | 0 | 0 | 0 | 0 2, | 2,373,255,608 | 0 | 0 | 0 | 0 | 0 | 0 | . | 0 | 0 | 0 | 253,461,512,142 |
| Total | - 1 | ${ }^{142,759,788,319}$ | 72,255,016,370 | 36,073,435,881 | 15,964 | - | - | - | 2, | 2,373,255,608 |  | - | - | - | - | - | - | 0 | 0 | 0 | 253,461,512,142 |
| Total Use of Abstracted Water | 34,182 | 142,759,788,319 | 72,255,063,031 | 36,073,436,224 | 151,826 | 30,583 | 141,353 | 6,693 | 116,577,8492, | 2,373,421,816 | 181,145 | 363 | 250 | 611 | 1,084 5 | 59,496 | - | 0 | 0 | 0 | 253,578,894,825 |
| (II) Abstracted water | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Distributed Water-NWSC | - | - | 35,944 | - |  | 1,693 | 15,573 | 7,866 | 284 | - | 2,376 | 3,544 | 28,568 | 2,038 | 4,032 ${ }^{1}$ | 11,321 | 85,715 | 0 | - | 0 | 198,953 |
| Distributed Water- other Water supply industry | - | - | - | - | - | - | 27 | 14 | 0 | - | 40 | 114 | 72 | 183 | 187 | 164 | ${ }^{6,043}$ | 0 | - | 0 | 6,844 |
| For own use | 34,182 | 142,759,788,319 | 72,255,063,031 | 36,073,436,224 | 151,826 | 30,583 | 141,353 | 6,693 | 116,577,8492, | 2,373,215,540 | 181,145 | 363 | 250 | ${ }^{611}$ | 1,084 5 | 59,496 | 65,447 | 0 | 0 | 0 | 253,578,753,996 |
| Total | 34,182 | 142,759,788,319 | 72,255,098,974 | 36,073,436,224 | 151,826 | 32,275 | 156,953 | 14,573 | 116,578,1332, | 2,373,215,540 | 183,561 | 4,021 | 28,890 | 2,832 | 5,303 70 | 70,981 | 157,205 | 0 | 0 | 0 | 253,578,959,793 |
| (III) Wastewater and reused water | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wastewater | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wastewater received from other units | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14,749 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 14,749 |
| Own treatment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Reused water | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Distributed reused | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Own use | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| Total | - | - | - | - | - | - | - | - | - | 14,749 | - | - | - | - | - | - | - | 0 | 0 | 0 | 14,749 |
| (IV) Return flows of water | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Return flows of water to the environment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| To inland water resources | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Surface Water | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66,941,308,841 | ${ }^{66,941,308,841}$ |
| Groundwater | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46,488,324,371 | 46,488,324,371 |
| To other sources | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 106,20,450,915 | 106,210,450,915 |
| Total returns flows | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 219,640,084,127 | 219,640,084,127 |
| (V) Evaporation of abstracted water, transpiration and water incorporated into products | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33,938,810,698 | 33,938,810,698 |
| Evapotranspiration of abstracted water | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - |
| Water incorporated into products | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | - |
| Total use | ${ }^{68,363}$ | 285,519,576,638 | 144,510,162,005 | 72,146,872,449 | 303,652 | ${ }^{62,858}$ | 298,307 | 21,266 | 233,155,9824, | 4,746,652,105 | ${ }^{364,706}$ | 4,384 | 29,140 | 3,443 | ${ }^{6,387}{ }^{13}$ | 130,477 | 157,205 | - | 0 | 253,578,894,825 | 760,736,764,191 |


[^0]:    Source: Uganda Bureau of Statistics

[^1]:    Source: Uganda Bureau of Statistics

[^2]:    Source: Uganda Bureau of Statistics

