

UGANDA BUREAU OF STATISTICS



We are Evidence Based











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.

Aliziki K. Lubega

For: EXECUTIVE DIRECTOR

Table of contents

List of Figures	4
List of Tables	5
1.0 INTRODUCTION	1
2.0 PHYSICAL WATER SUPPLY AND USE	2
2.1 Water Abstraction by Water Source	2
2.2 Water Abstraction by Purpose	3
2.3 Water Abstraction by Economic Activity	3
2.4 Water Supply by Economic Activity	4
2.5 Water Use by Economic Activity	
2.6 Water Consumption	5
3.0 ECONOMIC PROFILES FOR WATER	
3.1 Water Productivity	
3.2 Water Use Efficiency (WUE)	6
4.0 THE DERIVED AGGREGATES AND INDICATORS	7
4.1 Water Consumption and Water Productivity	7
4.2 Water Use Efficiency (WUE)	7
4.3 Water Consumption and Use Per Capita	8
4.4 Water Consumption and Use per Household per Day	8
APPENDIX1	0

List of Figures

Figure 1 ; Water Supply and Use	2
Figure 2; Water Abstraction by Source	3
Figure 3; Water Consumption and Water Productivity	7
Figure 4; Water Use Efficiency	8
Figure 5; Water Consumption and Use and Use Per Capita	8
Figure 6; Water Consumption and Use per Household per Day	9

List of Tables

Table 1: Physical Supply and Use of Water ('000 cubic metres), 2019 to 2022 10
Table 2: Water abstracted by water resource and purpose ('000 cubic metres), 2019-
2022 Error! Bookmark not defined.
Table 3: Water Abstraction by Economic Activity ('000 cubic metres), 2019 to 202210
Table 4: Water Supply by Economic Activity ('000 cubic metres), 2019 to 2022 12
Table 5: Water Use by Economic Activity ('000 cubic metres), 2019 to 2022 13
Table 6: Water Consumption by Economic Activity ('000 cubic metres), 2019 to 2022
Table 7: Water productivity by Economic Activity (UGX per cubic meter), 2019 to
2022
Table 8:Water Use Efficiency (WUE) by Economic Activity – (UGX per cubic meter),
2019-2022
Table 9: Summary of derived Aggregates and Indicators, 2019-2022
Table 10 A: 2021 Physical Supply Table for Water Accounts, '000 cubic meters 18
Table 10B: 2021 Physical Use Table for Water Accounts, "000 cubic
metres
Table 11A: 2022 Physical Supply Table for Water Accounts, "000 cubic metres 20
Table 11B: 2022 Physical Use Table for Water Accounts, "000 cubic metres

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.

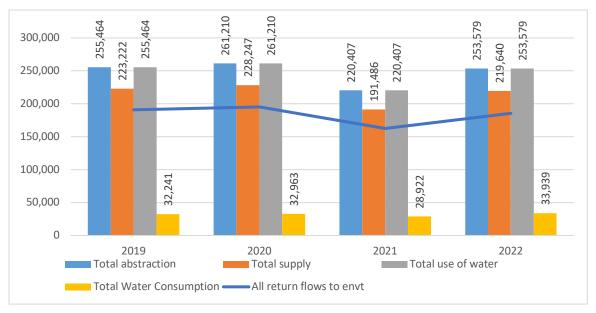
Water use efficiency (WUE) increased to UGX 144,194 in 2022 from UGX 67,573 registered in 2021. The annual water use per capita for 2022 was 5,912,056 cubic metres which was higher than 5,389,531 cubic meters registered in 2021. The average water use per household per day registered an increase to 52.8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





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;

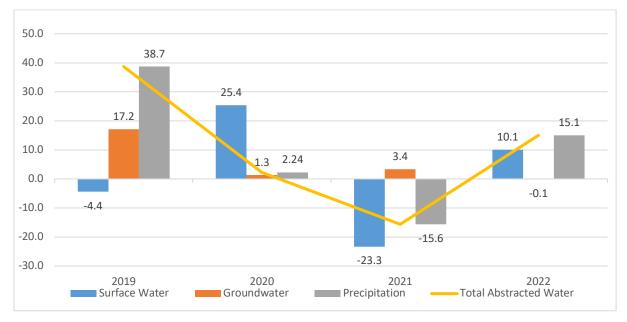


Figure 2: Water Abstraction by Source

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/m³ 4.47 from UGX/m³ 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/ m³ 0.49), forestry (UGX/m³ 0.84), agriculture Rain fed (UGX/m³1.40) and Water Supply, Sewerage and Waste Management Activities (UGX/m³20.17).

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/m³ 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 /m³ 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/m³ 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.

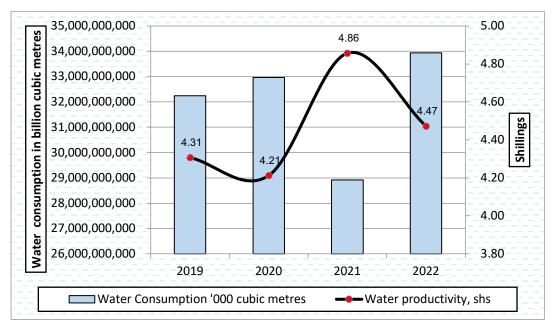


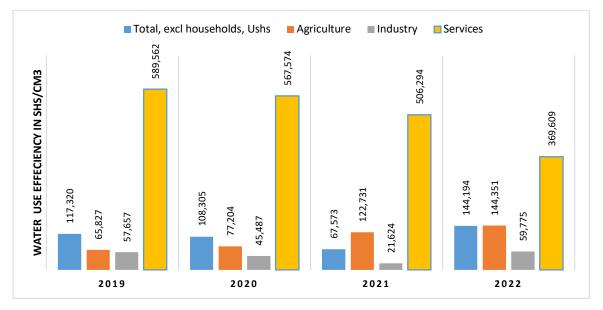
Figure 3: Water Consumption and Water Productivity

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.





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.

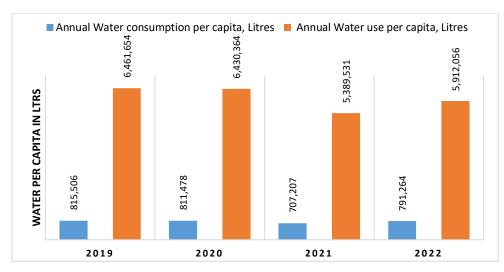


Figure 5: Water Consumption and Use and Use Per Capita

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.

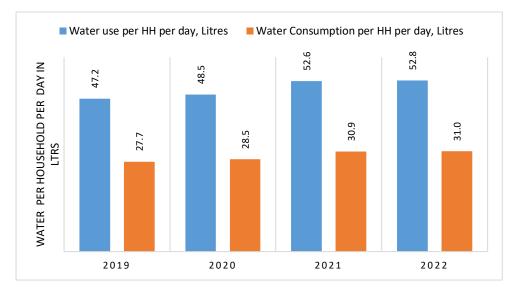


Figure 6; Water Consumption and Use per Household per Day

APPENDIX

	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= 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 (05 252	129 701 710	106 400 221	117 152 (51
Supply and distribution	110,605,252	138,701,719	106,400,331	117,152,651
~ Pp. J 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

	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	52,552,110,051	55,765,615,500	05,551,155,757	72,233,003,031
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	2,530	2,575	5,587	59,490
Total	- 255,463,815,992	- 261,209,916,032	- 220,407,327,498	- 253,578,894,825

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

Table 4: Water Supply by Ec	2019	2020	2021	2022
Agriculture	221,613,292,732	226,575,737,778	190,326,167,689	217,314,242,464
Agriculture (Irrigation)	131,293	95,305	21,578	17,091
Agriculture (Rain fed crop)	152,791,389,601	156,212,776,500	118,131,936,875	128,483,809,487
Agriculture (Livestock)	43,651,447,247	44,628,913,946	52,733,562,902	59,971,667,181
Agriculture Support Services				
Agriculture (Forestry)	25,170,324,592	25,733,952,026	19,460,646,334	28,858,748,705
Agriculture (Fishing)	-	-	-	-
Industry	1,609,081,110	1,670,701,280	1,159,492,899	2,325,765,007
Crude oil and Mining	26,113	6,004	6,646	21,408
Manufacturing (Food and	26,949	60,775	90,429	79,255
Beverages)				
Manufacturing (Other)	8,510	8,670	9,349	9,058
Electricity	109,749,299	137,764,774	104,685,711	116,461,555
Water Supply; Sewerage and	1,499,224,842	1,532,801,710	1,054,448,848	2,209,156,829
Waste Management Activities				
Construction	45,398	59,347	251,915	36,902
Services	70,077	72,116	78,476	91,404
Accommodation	895	946	1,006	1,088
Public Administration	6,474	6,701	7,285	8,063
Education	549	570	602	729
Health	1,159	1,212	1,324	1,383
Other	3,056	3,154	3,629	15,102
Households	57,944	59,533	64,629	65,039
Total	223,222,443,920	228,246,511,174	191,485,739,063	219,640,098,876

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

	2019	2019 2020 2021				
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		

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

	2019 2020 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 6: Water Consumption by Economic Activity ('000 cubic metres), 2019 to 2022

	2019	2020	2021	2022
Agriculture	1.02	1.00	1.22	1.0
Agriculture (Irrigation)	7,237.02	9,969.74	46,019.55	61,714.5
Agriculture (Rain fed crop)			·	
Agriculture (Livestock)	1.06	1.04	1.44	1.4
Agriculture Support Services	0.56	0.55	0.52	0.4
Agriculture (Forestry)	0.89	0.87	1.24	0.8
Agriculture (Fishing)	17,808.95	18,314.55	19,146.01	21,454.4
Industry	1,192.70	1,163.02	290.88	250.1
Crude oil and Mining				
Manufacturing (Food and Beverages)	184,028.99	579,828.62	563,322.17	231,275.4
Manufacturing (Other)	410,463.76	177,322.96	123,836.81	156,874.3
	2,115,648.85	2,079,336.26	2,016,674.55	2,328,322.9
Electricity	17,045.48	13,579.15	18,914.44	18,156.1
Water Supply; Sewerage and Waste Management Activities	101.98	99.76	24.23	20.1
Construction	43,294.99	33,089.27	7,420.95	55,618.5
Services	609,293.55	591,458.95	531,214.39	423,559.0
Accommodation	1,579,703.70	1,479,059.91	1,274,907.63	1,201,495.0
Public Administration	219,787.73	212,348.34	215,056.92	218,728.8
Education	3,870,923.86	3,728,658.51	3,298,275.65	2,684,698.9
Health				
Other	1,362,584.26	1,297,638.58	1,212,105.73	1,378,534.7
Households	5,955,432.07	5,776,849.19	4,805,450.34	985,443.3
Total	12,828.32	12,490.86	11,398.68	12,233.0
	4.31	4.21	4.86	4.4

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

able 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)	2,015	.,,,	20,010	00,007		
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		

. . .

Table 5. Outlinary of defi	2019	2020	2021	2022
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%

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

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

Table 1	0 A: 202	1 Physical Sup	ply lable for	Water Acco	unts, '000 d	cubic m	eters														
Industries by SIC	Agricultur e (Irrigation)	Agriculture (Rain fed crop)	Agriculture (Livestock)	Agriculture (Forestry)	Agriculture (Fishing)	Crude oil and Mining	Manufactur ing (Food and Beverages)	Manufact uring (Other)	Electricity	Water Supply; Sewerage and Waste Management Activities	Constructio n	Accom modati on	Public Admini stration	Educati on	Health	Other	Househol ds	Accu mulati on	Rest of the World	Flows from the environment	Total Supply
(I) Sources of Abstracted Water																					
Inland Water Resources																					
Surface Water																				10,6400,331	106,400,331
Groundwater																				230,238	230,238
																				230,238	230,238
Soil Water																					
Total										_										10,663,0569	10,6630,569
Other water sources			_	_						_										-	
Precipitation	_																			220300696930	220,300,696,930
Total Total Supply																				220300696930	220300696930
Abstracted Water																				220407327498	220407327498
(II) Abstracted water																					
For distribution- NWSC										180126											180126
For distribution- Other distributors										8023											8023
	42157	121257707620	62524452720	24325810864	181319	9494	165322	7972	104790244		1256513	390	120	194	1266	3587					220407215968
For own use	43157 43157	131257707639	63534453739			9494		7972		1182784158		390	120	184	1266	3587					
Total (III) Supply of water to other economic units of which:	43137	131257707639	63534453739	24325810864	181319	9494	165322	1912	104790244	1182972307	1256513	390	120	184	1200	5387					220407404117
Wastewater																					
Wastewater to treatment			3254				1410	712	26		215	321	2586	184	365	1025	3254				13353
Own treatment							1110	/12	20			021	2000	101	200	1020	0201				10000
Reused water																					
For distribution																					
For own use																					
Total (IV) Return flows of			3254				1410	712	26	0	215	321	2586	184	365	1025	3254				13353
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										-104619068											-104619068
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 Water incorporated into products		211541305	102395216	39204660	195633	15	266	13	168885	1906296	2025				2	6	116				
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

TotalTotal Use of Abstracted Water43,157(II) Abstracted waterDistributed Water- NWSCDistributed Water- other Water supply industryFor own use43,157	t	Agricult ıre Irrigati Agri	riculture	Agriculture (Livestock)	Agriculture (Forestry)	Agricult ure	Crude oil and	Manufactu ring (Food and Beverages)	Manufac turing (Other)	Electricity	Water Supply; Sewerage and Waste Management Activities	Constructi on	Accom modati on	Public Admin istratio n	Educat ion	Health	Other	Househol ds	latio	Flows to the environment	Total Use
Resources42,647.Surface Water42,647.Groundwater510.Soil WaterTotal43,157.Other water sourcesCollection of PrecipitationTotalTotalTotal Use of Abstracted WaterJistributed Water- other Water supply industryDistributed Water- other Water supply industryFor own use43,157.Total43,157.Wastewater and reused waterWastewater neceived from other unitsOwn treatmentReused waterDistributed reusedTotal(II) Wastewater and reused waterWastewater received from other unitsOwn treatmentReused waterDistributed reusedTotal(IV) Return flows of waterGroundwaterTo tal returns flowsTotal returns flowsTotal returns flowsTotal returns flows																					
Groundwater510Soil Water-Total43,157Other water sources-Collection of Precipitation-Total-Total Use of Abstracted Water43,157Abstracted Water-Distributed Water- NWSC-Distributed Water- other Water supply industry-For own use43,157Total43,157III) Wastewater and reused water-Wastewater and reused water-Wastewater Reused water-Distributed reused-Own treatment-Reused water-Distributed reused-Own use-Total-III) Wastewater and reused water-Wastewater Reused water-Distributed reused-Own use-Total-III) Return flows of water-Return flows of water to the environment-To oinland water resources-Surface Water-To other sources-Total returns flows (V) Evaporation of abstracted water, transpiration and water incorporated into products																					
Soil Water43,157Total43,157Other water sourcesCollection ofPrecipitationTotalTotal Use ofAbstracted Water43,157(II) Abstracted waterDistributed Water- other Water supply industryFor own use43,157Total43,157Total43,157III) Wastewater and reused waterWastewater exceived from other unitsOwn treatmentReused waterDistributed reusedOwn useTotalReused waterDistributed reusedOwn useTotalReurn flows of waterSurface WaterTo other sourcesSurface WaterTo other sourcesTotal returns flows(V) Evaporation of abstracted water, transpiration and water incorporated into products	-	-2,647 -		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
Total43,157Other water sourcesCollection of PrecipitationTotalTotal Use of Abstracted WaterAbstracted WaterUi) Abstracted waterDistributed Water- NWSCDistributed Water- other Water supply industryFor own use43,157Total43,157Total43,157Total43,157III) Wastewater and reused waterWastewater Reused waterWastewater Reused waterDistributed reusedOwn treatmentReused waterDistributed reusedOwn useTotal(IV) Return flows of waterReturn flows of water to the environmentTo inland water resourcesSurface WaterTo other sourcesTotal returns flows (V) Evaporation of abstracted water, transpiration and water incorporated into products				44,416	6	133,083	3,962	2,075	2,587	54	30,376	10,833	116	119	142	40	1,919				230,238
Other water sourcesImage: Collection of PrecipitationPrecipitationImage: Collection of PrecipitationFotalImage: Collection of Abstracted WaterFotal Use of Abstracted Water43,157Abstracted Water- NWSCImage: Collection of Abstracted Water- NWSCDistributed Water- NWSCImage: Collection of Abstracted Water- NWSCDistributed Water- NWSCImage: Collection of Abstracted Water Supply IndustryFor own use43,157III) Wastewater and reused waterImage: Collection of Abstracted WastewaterWastewater wastewaterImage: Collection of Abstracted Provide Provid														'							
Collection of PrecipitationCollection of PrecipitationFotalCotal Use of Abstracted WaterAbstracted WaterDistributed Water- WSCDistributed Water- www.collectionWater supply ndustryFor own use43,157Fotal43,157Fotal43,157H1) Wastewater and reused watereused waterWastewater received rom other unitsDwn treatmentReused waterDistributed reusedDwn useFotalIV) Return flows of vaterReturn flows of water o the environmentFo inland water resourcesSurface WaterGo other sourcesFotal returns flowsV) Evaporation of ubstracted water, ranspiration and water incorporated nto products	-	3,157 -		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
Fotal 1 Fotal Use of substracted Water 43,157 II) Abstracted water 1 Distributed Water- 1 WSC 1 Distributed Water- 1 WSC 1 Distributed Water- 1 WSC 1 Distributed Water- 1 ther Water supply industry 1 For own use 43,157 Total 43,157 Wastewater and eused water 1 Vastewater received rom other units 1 Dwn treatment 1 Reused water 1 Distributed reused 1 Dwn use 1 Total 1 IV) Return flows of water 1 Do the environment 1 Do the environment 1 Do the sources<	121 257 707 63(121	257 707 620	(2.524.400.214	24 225 907 017	15.064					1 192 756 106										220,200,606,020
otal Use of bstracted Water43,157I) Abstracted wateristributed Water- wSCistributed Water- wscistributed Water- ther Water supply dustryor own use43,157otal43,157otal43,157II) Wastewater and eused wateristributed Water- ther Wate supply// Astewater and eused wateristributed water// Astewater received fom other unitsistributed reused// Dy Return flows of water o the environmentistributed reused// Dy Return flows of water sourcesistributed reused// Dy Return flows of water o the environmentistributed reused// Dy Return flows of water istributed reusedistributed reused// Dy Return flows of water o other sourcesistributed reused </td <td>131,257,707,639</td> <td></td> <td></td> <td>63,534,409,214</td> <td>24,325,807,917</td> <td>15,964</td> <td></td> <td></td> <td></td> <td></td> <td>1,182,756,196</td> <td></td> <td> </td> <td></td> <td>[]</td> <td> </td> <td></td> <td></td> <td></td> <td></td> <td>220,300,696,930</td>	131,257,707,639			63,534,409,214	24,325,807,917	15,964					1,182,756,196				[]						220,300,696,930
I) Abstracted water bistributed Water- WSC bistributed Water- ther Water supply or own use 43,157 botal Wastewater vastewater wastewater botal bother units bown treatment conduct bown use botal V) Return flows of water bothe environment bothe environment bothe environment bother sources co other sources bother sources bother sources bother sources	131,257,707,639			63,534,409,214	24,325,807,917	15,964					1,182,756,196										220,300,696,930
Distributed Water- (WSC Distributed Water- ther Water supply industry Dor own use 43,157 Total 43,157 Wastewater and eused water 1000000000000000000000000000000000000	131,257,707,639	3,157 131,	,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 Water- ther Water supply ndustry 43,157 For own use 100 Wastewater and eused water 100 Vastewater received room other units 100 Dwn treatment 100 Edused water 100 Dwn treatment 100 Edused water 100 Dwn use 100 Fotal 100 Own use 100 Fotal 100 UV) Return flows of water 100 Do the environment 100 Do the environment 100 Do the sources 100 Water 100 Go other sources 100 Worker 100 Fo other sources 100 Worker 100 Fo other sources 100 Worker 100 Fo other				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
adustry 43,157 ior own use 43,157 iotal 43,157 iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii																					
otal 43,157 II) Wastewater and sused water								27	14			52	149	96	242	246	211	6,986			8,023
II) Wastewater and used water III) Wastewater and used water fastewater received om other units IIII fastewater received om other units IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	131,257,707,639	3,157 131,	,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
eused water //astewater //astewater received //astewater received om other units //astewater wun treatment //astewater eused water //astewater istributed reused //astewater otal //astewater otal //astewater otal //astewater otal //astewater otal //astewater othe environment //astewater o inland water //astewater esources //astewater o other sources //astewater otal returns flows ///astewater, //astewater, recoundwater //astewater, recoundwater otal returns flows //aster recoundwater otal returns flows //aster recoundwater //aster recorporated //aster recorporated	131,257,707,639	3,157 131,	,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 received Image: Second																					L
Dwn treatment Image: Constraint of the second of the s											12.252										12.252
Distributed reused Dwn use Dwn use Dyn use D											13,353										13,353
Total IV) Return flows of vater IV) Return flows of water IV) Return flows of water Return flows of water IV) Return flows of water To inland water IV) Evaporation of bstracted water, ranspiration and vater incorporated into products																					
IV) Return flows of vater vater Return flows of water the environment o inland water esources urface Water Groundwater Sroundwater 'o other sources 'otal returns flows V) Evaporation of bstracted water, ranspiration and vater incorporated into products				+	+	+	<u> </u> /		<u> </u>				<u> </u> !	 '	i	<u> </u>					
vater											13,353										13,353
o the environment Image: Surface Water Surface Water Image: Surface Water Groundwater Image: Surface Water Fo other sources Image: Surface Water Fo other sources Image: Surface Water Surface Water, ranspiration and vater incorporated nto products Image: Surface Water water																					
Surface Water Groundwater To other sources Total returns flows (V) Evaporation of abstracted water, transpiration and water incorporated into products			_																		
Groundwater Image: Constraint of the second secon																					+
To other sources Fotal returns flows V) Evaporation of ubstracted water, ranspiration and vater incorporated nto products																				58,957,306,718	58,957,306,718
Fotal returns flows V) Evaporation of ubstracted water, ranspiration and vater incorporated nto products																				40,542,284,807	40,542,284,807
V) Evaporation of obstracted water, ranspiration and vater incorporated nto products																				91,986,134,185	91,986,134,185
bstracted water, ranspiration and vater incorporated nto products																				191,485,725,710	191,485,725,710
vater incorporated nto products																					
																				28,921,601,788	28,921,601,788
abstracted water																				28,921,001,700	20,921,001,700
Water incorporated																					
nto products Fotal 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	┝──┦	220,407,327,498	661,222,072,467

Industries by SIC	Agricultur	Agriculture (Rainfed crop)	Agriculture (Livestock)	Agriculture (Forestry)	Agricultu	Crude oil and	Manufa cturing	Manu factur	Electricity	Water Supply;	Construct ion	Acco mmo	Public Administ	Educat ion	Health	Other	Household s	A Re c st		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
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 1557.311	<mark>0</mark> 786.59	0	0	0 237.62456	0 354.3	0 2856.768	0 203.777	0 403.202	0 1132.08	0 3594.3868	0 0	0	
Total	0	0	3594.386865	0	0	0	286	786.39 5098	28.37850148	0	237.62456	5004	2856.768	7275	403.202 7961	4066	5594.3868 65	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 128483809487.2	31,069,657,039	18,036,717,941	-	21,408 21407.89	15,540 77698.03	4,136 8271.7	-	-	36,665 36664.669	733 733.2	5,207 5206.646	526 525.640	980 979.904	13,970 13969.7	61,444 61444.321	0 0	0	106,210,450,915
Total returns flows	17090.7744	128483809487.2	59971663587	28858748705	0	837	382	70365	116461526.6	2209156829	22	6053	401	0683	979.904 9995	0626	21	0 0	0	219,640,084,127
of which: Losses in distribution (V) Evaporation of abstracted water,	-	-	-	-	-	-	-	-	-	(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 Phys	ical Us	e lable fo	or water Ad	counts, "	000 cu	bic meter	s		1	.				-					_		
		e Agriculture) (Rainfed crop)	Agriculture) (Livestock)		Agriculture (Fishing)	Crude oil and Mining	Manufacturing (Food and Beverages)	Manufacturing	g Electricity	Water Supply; Sewerage and Waste Management Activities	Constructior	Accommodation	Public Administration	Education	Health	Other	Households	Accumulatio	Rest of the nWorld		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	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	2,047	-	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	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	142,759,788,31	9 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	-	142,759,788,31	9 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	142,759,788,31	9 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	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	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	142,759,788,31	9 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	59,496	65,447	0	0	0	253,578,753,996
Total	34,182	142,759,788,319	9 72,255,098,974	36,073,436,224	151,826	32,275	156,953	14,573	116,578,133	2,373,215,540	183,561	4,021	28,890	2,832	5,303	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	106,210,450,915	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	285,519,576,63	8 144,510,162,005	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	253,578,894,825	760,736,764,191

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