

ANNUAL REPORT

20 24

"Where Water Flows,
Opportunities Grow"

AFRICA



ACCESS WATER





About Us

Africa Access Water

Founded in 2019, we are a non-profit organization based in Zambia, dedicated to transforming lives through our mission of equipping rural and poor communities across Zambia and Africa with solar-powered water infrastructure. Our goal is to enhance food security, boost incomes, improve livelihoods, and combat poverty through access to water resources.

We believe that where water flows, opportunities grow. Access to reliable water serves as a catalyst for economic development, especially for women and youth. By addressing critical water challenges, we deliver solutions that strengthen rural economies and promote long-term prosperity.

We also advocate for innovative policies within the Water-Energy-Agriculture nexus, working to strengthen Africa's water economy for a better, more sustainable future.

Read more: www.africaaccesswater.org

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Introduction

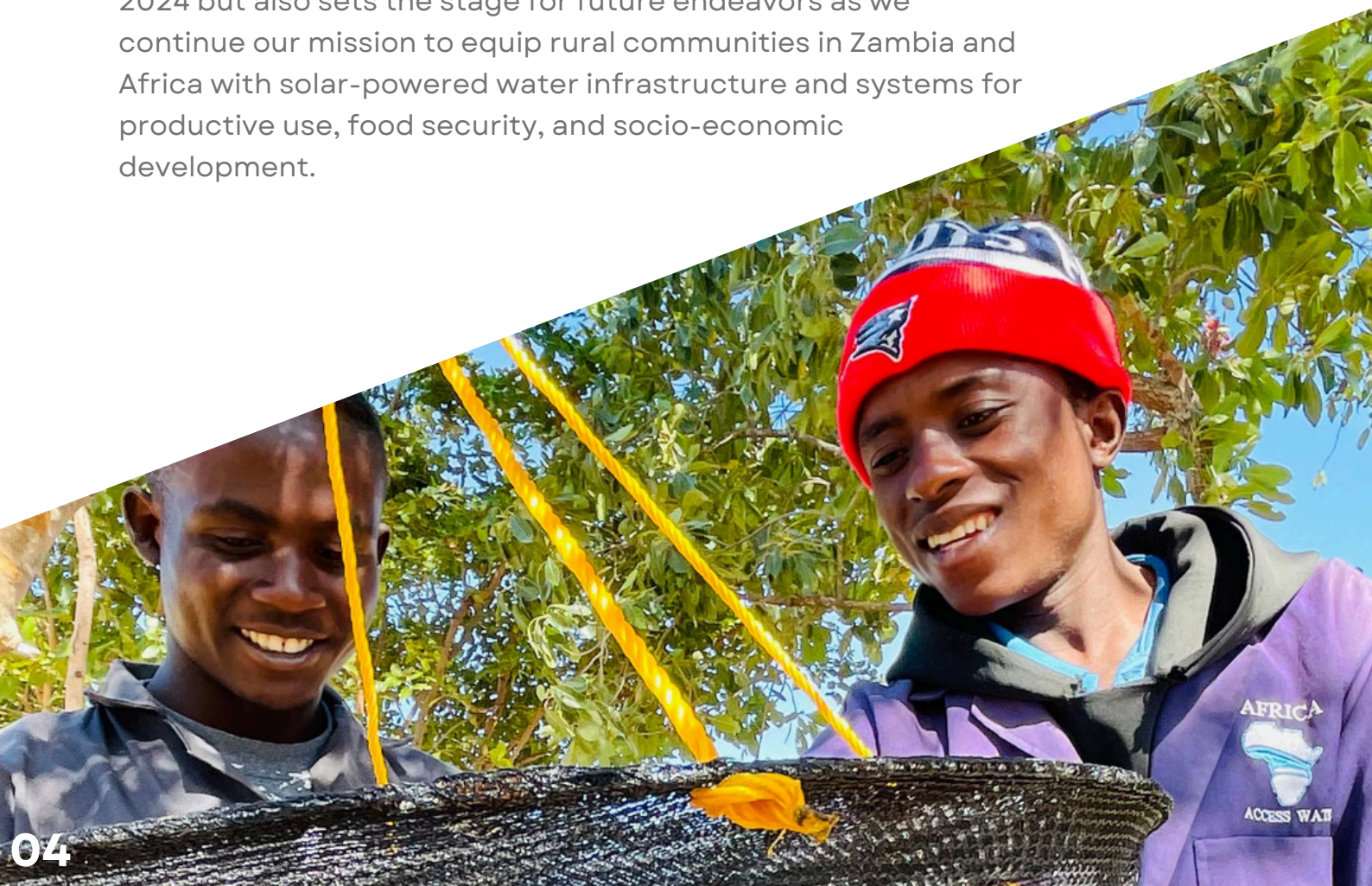
The 2024 Annual Report from Africa Access Water (AfAW) highlights a year of transformative achievements, partnerships, and groundbreaking initiatives centered around the theme "Where water flows, opportunities grow." This report provides an overview of our efforts in addressing water scarcity and fostering community empowerment, showcasing the profound impact of sustainable water solutions across rural communities in Zambia and beyond.

The report underscores key milestones, including the successful implementation of solar-powered water infrastructure in Mphande communities of Zambia, the hosting of the inaugural Civil Society Water Economy Dialogue, and initiatives aimed at empowering women and youth for sustainable development. Each section reflects AfAW's unwavering commitment with its partners to innovative, inclusive, and sustainable water solutions that drive economic empowerment and resilience in communities.

This Annual Report not only celebrates the progress made in 2024 but also sets the stage for future endeavors as we continue our mission to equip rural communities in Zambia and Africa with solar-powered water infrastructure and systems for productive use, food security, and socio-economic development.



Rodney Katongo
Chief Executive Officer



Executive Summary

In 2024, Africa Access Water made significant strides in empowering rural communities in Zambia, advancing the water economy dialogue, and fostering sustainable development through solar-powered water solutions, women's initiatives, and youth engagement, all while driving meaningful partnerships for a better, water-secure future.

Planned Solutions

Amidst a devastating drought that left millions at risk of hunger and starvation, we focused on delivering water solutions that went beyond drinking needs, transforming the lives of thousands in rural communities we serve in Zambia. Here's what we accomplished:

3 Extra Solar-powered Water Infrastructure for Mphande Project

3 villages

90,000 litres of Water Capacity

200,000 litres of irrigation and drinking every day

15 hectares of farming land with drip irrigation

3 kiosks water for drinking

12,000 People +2,500 Animals with Clean Water

With a total of **nine (9)** water infrastructure systems, the number of beneficiaries has increased.

600 households food secure with US\$ 190,000 Annual combined income

From our **nine (9)** solar-powered water sites, various crops are being produced throughout the year using drip irrigation.





520 Trained in Smart Climate Agriculture + 120 Access Inputs + 6 saving groups

By extension, we train community members in methods to produce using less water. Additionally, from the proceeds of year-round agriculture, they create a community fund, which helps establish savings groups, giving them access to finance for their various livelihood enterprises.

CSO Water Economy Dialogue

We hosted the inaugural Water Economy Dialogue, designed to bring together diverse stakeholders to discuss, innovate, and collaborate on sustainable water resources for production and management. A total of 32 stakeholders were brought together.

US\$425,000 Support

In 2024, we raised funds and received support for our programs, projects, and management.

Together with our Partners

Africa Access Water is more determined than ever to deepen our impact, foster innovative solutions, and strengthen partnerships that drive sustainable water access. Our journey in 2024 would not have been possible without the support and dedication of our partners. Together, we are building a future of hope, sustainability, and opportunity for all by ensuring access to water for productive use, food security, and improved livelihoods.



Solar Power
Water
Infrastructure

Increased
Agricultural
productive

Food Secure &
Incomes

Improved
livelihoods +
Water Economy
Dialogue

AFRICA



ACCESSWATER



Water in Infrastructure

done in 2024



3 Extra Solar-powered Water Infrastructure for Mphande Project

- **90,000** liters of Water Capacity
- **200,000** liters of irrigation and drinking every day
- **3** kiosks water for drinking
- **600** families/ households benefiting from this infrastructure

- **Three** village communal sites, each with a minimum of 5 hectares, were equipped with solar-powered water infrastructure and drip irrigation. The villages– Chilimamume, Nanduba, and Shamanjanji –are part of the Mphande Development Project.
- **This initiative** was part of a new resilience project designed to help the community grow their staple food–corn (maize).



Wells, Boreholes & Reservoir/Dam

- **12** boreholes sunk in total
- **1** Dam and **1** fish pond constructed

- These provide alternative water supply for the production and for clean drinking
- 4 of them were done on existing training farm in Mphande, supplement for Shibuyunji Project.
- **Constructed a small dam** in Nanduba for water harvest - 45 million liters anticipated for 2024/2025 rain season to aid the water situation



Solar Panels & Energy Benchmarking

- **54** Solar panels
- **23.7 Kw** produced to power the water

- This ensures that we know the energy needs for the production of the water. There is excess power once the water has been pumped into the tanks. In that regards this power could be used for other important activities



Results & Impact



600 Households food secure

- With the additional water infrastructure, we now have a total of **nine (9)** sites in: Mphande, Shibuyunji, and Masopo.
- This expansion has enabled **600** households to achieve a combined annual income of **US\$190,000** from growing various crops throughout the year.



12,000 People +2,500 Animals with Clean Water

- The integrated solar-powered water systems, featuring three distribution lines, isolated water kiosks, and animal troughs, is now providing clean drinking water.



520 Trained in Smart Climate Agriculture

- We trained community members in methods to produce crops using less water. This was done in collaboration with the Ministry of Agriculture.
- By involving community members in communal land crop production, community productivity has increased by 52%.

Other Activities & Highlights of the Year



**THE
WATER
ECONOMY
DIALOGUE**

“FOSTERING A SUSTAINABLE
AND INCLUSIVE WATER
ECONOMY IN ZAMBIA”

✓ Highlighting the economic value of
water in driving development and



Water Economy Dialogue

Africa Access Water hosted the inaugural CSO Water Economy Dialogue, bringing together 23 CSOs, 2 government ministries, 3 private sector entities, and 2 academic institutions. This event was partially supported by unrestricted funding from the Segal Family Foundation.

The dialogue:

- Highlighted the **economic value of water** in driving development and supporting livelihoods;
- Promoted equitable water use that benefits all stakeholders, especially marginalized groups;
- Fostered cross-sector collaboration to find solutions for sustainable water management and;
- Supported the Zambia Water Investment Programme 2022 to 2030.



Relief Food Distribution and Farming Input

With the severe drought, communities in our project sites were threatened by hunger. We used proceeds from the sale of fresh corn (maize) to purchase mealie meal for their sustenance. This activity was conducted in collaboration with Tevel B'tzedek.

- We provided **600 households** with mealie meal to address their food needs.
- Additionally, after being trained in climate-smart agriculture, we distributed farming inputs as loans, including seeds and organic fertilizer, to at least **120 small-scale farmers** in the Mphande area.
- This initiative promotes access to essential inputs while helping the community adopt new and sustainable farming methods.





Segal Family Foundation Visit

- Led by Patricia Malila, Strategy Manager, Segal Family Foundation team visited our Mphande project, marking the first year of our partnership.
- The partnership has been extended until 2026, providing support for some operational costs through unrestricted funding.



Maurice Dillon and Others Visit

- Maurice Dillon has been a long-time partner since the inception of AfAW. He visited to see the progress we are making.
- We also received visits and endorsements from the Presidential Delivery Unit, Norwegian Church Aid, HiVOs, WFP, Dovetail, and the Ministries of Youth, Agriculture, and Water, among others. This was aimed at strengthening working relations.



Events Attended

- Paul Kapanda, Board Co-Chairman & Co-founder, attended Segal Connect in New York, USA.
- Rodney Katongo, CEO & Co-founder, attended Segal Connect in Lilongwe. Additionally, he had a learning visit with Isaiah Mwanza, Director of Projects, to ZAYANE in Malawi.

Testimony

"I never knew that water could change my life like this. I am now able to grow crops even during the dry season and this drought.

My home has food, and I have an income to support my family. Thank you, Africa Access Water and your partner Tevel, for giving us water."

– Jackson Mweemba,
Beneficiary, Chilimamume Village.



Challenges & Opportunities

Challenges

- **Water Scarcity and Climate Change-** The 2023/2024 drought in Zambia intensified water scarcity, affecting project sites and programming. However, it highlighted the value of our solar-powered water model, aligning with our mission and aiding resource mobilization.
- **Infrastructure Maintenance and Sustainability-** Maintaining solar-powered water systems is challenging due to limited technical skills and costly spare parts. We addressed this by allocating 10% of crop sales to a maintenance fund and training community members, creating jobs.
- **Funding Constraints-** Fluctuating donor support challenges project expansion, but existing donors, including Segal Family Foundation who provided unrestricted fund, provided vital drought-related assistance. We are also developing a fundraising strategy following recent training.

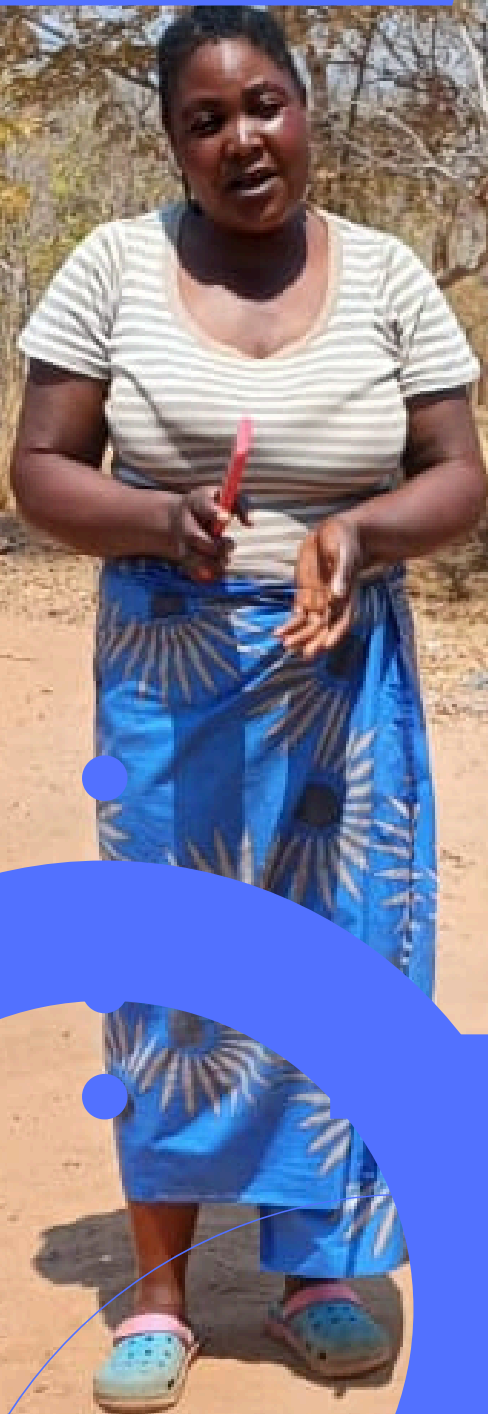
Opportunities

- **Scaling Solar-Powered Water Solutions-** The growing availability and affordability of solar technology present a significant opportunity to expand access to water for productive use, transforming more rural communities.
- **Strengthening the Water-Energy-Agriculture Nexus:** Integrating water access with energy and agriculture initiatives creates opportunities for funding and scale up.
- **Leveraging Partnerships:** Collaborating with local governments, private sector partners, and international organizations opens avenues for technical support, funding, and policy advocacy to strengthen water economies.

DONATE

through our website

www.africaaccesswater.org



Media

- Our work was featured on **five** local television stations, including Zambia National Broadcasting Corporation (ZNBC), with news items and interviews.
- We now have an upgraded website with more information.
- Africa Access Water is also officially registered in Congo Brazzaville.

Financial Summary

Below is the summary of our financials for the year 2024

Revenue End Year 2024

	US\$	
Individual Donors	19,361	4.5%
Foundations & Organizations	372,889	86.7%
Others (i.e. Consultancy)	38,000	8.8%
Total	430,250	100%



Expenses End Year 2024

	US\$	
Projects & Programs	334,300	78.23%
Administration (Organization)	92,000	21.53%
Fundraising	1,000	0.24%
Total	427,300	100%



Conclusion

The 2024 Annual Report reflects a year of resilience, innovation, and transformative impact. Despite challenges like drought and resource constraints, we empowered rural communities with life-changing water solutions, strengthened livelihoods, and fostered hope for a sustainable future.

As we look ahead, the journey to combat water scarcity and poverty requires collective effort. We invite you to join us in expanding our reach, empowering more communities, and creating sustainable solutions. Every contribution—big or small—moves us closer to a future where water flows and opportunities grow.

To our partners and supporters, we extend our heartfelt gratitude. Your commitment has been instrumental in driving change and bringing hope to countless lives. Together, we are building a legacy of resilience and opportunity across Africa. Thank you for standing with us on this journey.

Partners & Supporters



תביל
בצדק **TEVEL**
DOING THE WORLD JUSTICE

Maurice Dillon

Vita UK

Sheikh Mohamad Inc



Ministry of Water
Development & Sanitation



Board and Team



Reuben Banda
Board Chairman



Paul Kapanda
Co- Chairman &
Co-Founder



Maurice Dillon
Finance &
Resource Mobilization



Anna Butler
Global Networks &
Partnerships



Rodney Katongo
Co-founder &
Chief Executive Officer



Isaiah Mwanza
Director- Projects



Temwa Gondwe
Advocacy &
Communication
Manager



Talent Madubeka
Sustainable Livelihood
Manager



Siyana Zulu
Finance Manager



Ange Arsene Ossiala
Country Representative-
Congo, Brazaville

The Africa Access Water Team

Our team combines expertise in water engineering, renewable energy, agriculture, and community development to advance our mission of transforming lives through water access. With hands-on experience and a deep understanding of rural dynamics, we design and implement tailored solutions that empower communities and ensure lasting impact.

Driven by a shared passion for sustainable development, we champion innovative strategies, build partnerships, and advocate for policies that strengthen Africa's water economy. Together, we are committed to creating a future where water access fuels growth, opportunity, and resilience across Zambia and Africa.





Contact

For further information regarding this 2024 activities, please contact us:

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