



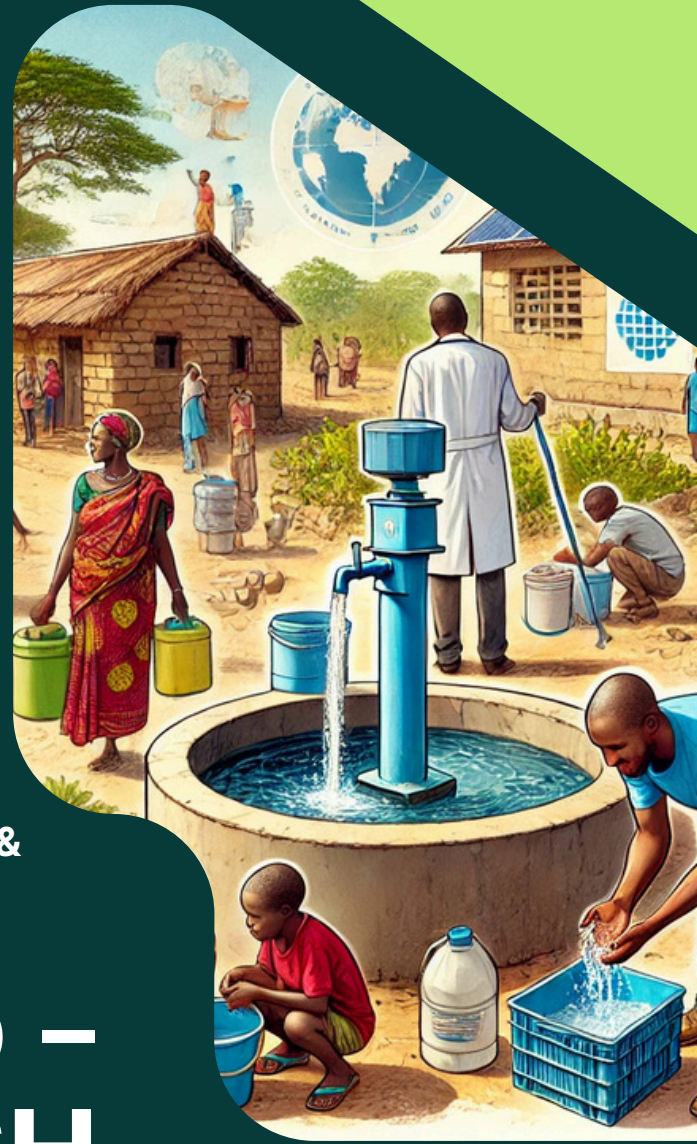
IMPACT-BASED FEASIBILITY REPORT &
INVESTMENT OPPORTUNITY:

Kijani Group – Liberia WASH Initiative

Empowering Communities with Clean
Water, Advancing Public Health, and
Generating Certified Climate and SDG
Impacts

Prepared by: Kijani Group

Project Stage: Feasibility & Pre-Certification (Gold Standard for the Global Goals – GS4GG)





This report presents the **Liberia WASH Initiative**, an ambitious clean water and public health intervention designed to generate measurable, certifiable climate and development benefits. It outlines the project's **expected impact**, its **alignment with the Gold Standard for the Global Goals (GS4GG)**, and its **investment potential** as a scalable, high-impact opportunity.

Key Highlights:

- ✓ Expands access to safe and clean water for underserved communities
- ✓ Designed to significantly reduce greenhouse gas emissions and improve health outcomes
- ✓ Structured to generate **Gold Standard Verified Emission Reductions (GS VERs)** and certified SDG contributions
- ✓ Built on a robust sustainability and certification framework, enabling transparency and accountability
- ✓ Offers funders a pathway to support **real impact** and access **high-integrity carbon credits**

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Meet the Team

We are an international team committed to sustainability, innovation, and community empowerment, driving meaningful change through impactful solutions.

Kijani is a firm specializing in **sustainable development projects, initiatives, and financial solutions**. As the **project lead**, Kijani coordinates **partners, investment, and execution**, ensuring the project is **financially viable, scalable, and high-impact**. Kijani also manages **funding strategy, investor relations, and project oversight**, maximizing returns and long-term success.



Wani Mwangu



Álvaro Monsó Parra



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Investment Opportunity: Liberia WASH Initiative

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The **WASH Initiative in Liberia** is a high-impact project currently in the feasibility phase, designed to provide **clean water access to over 150,000 people across Liberia**. The initiative integrates **clean water provision, improved sanitation infrastructure, and carbon emissions reduction** through sustainable water treatment solutions.

While not yet certified, the project is structured to comply with the **Gold Standard for the Global Goals (GS4GG)** and is **expected to generate up to 60,000 premium carbon credits annually** once implemented and verified.



Key Integrated Components:

- **Women-Led Sanitation:** Women led sanitation initiative that leads to economic opportunities.
- **Handwashing Infrastructure:** Installing handwashing stations in schools and community hubs to reduce disease transmission.
- **Health Partnerships:** Collaborating with local schools and clinics to raise hygiene standards and enhance community well-being.

By eliminating the need to boil water using firewood, charcoal, or fossil fuels, the project is **expected to reduce deforestation, carbon emissions, and indoor air pollution**—while strengthening public health and climate resilience.

This initiative presents a **scalable investment opportunity**, designed to deliver long-term value through:

- **Impact-aligned returns** (via certified carbon credits)
- **Measurable SDG contributions**
- **Tangible improvements in environmental and human health**

Gold Standard's Safe Water Solutions Methodology

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Anticipated Carbon Impact and Certification

This project is being developed in alignment with the **Gold Standard Safe Water Supply Methodology**, a framework that enables the **measurement and verification** of greenhouse gas (GHG) reductions from the replacement of traditional water purification methods.

Baseline Scenario: Currently, many households purify drinking water by boiling it over firewood or charcoal, a process that leads to:

- CO₂ emissions from biomass combustion
- Deforestation due to unsustainable wood harvesting
- Indoor air pollution, increasing the risk of respiratory illness

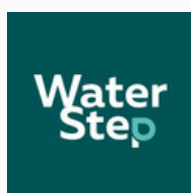
Project Activity: The initiative is designed to eliminate the need for boiling by introducing clean water technologies, including:

- Advanced chlorine-based purification systems provided by WaterStep
- Rehabilitation and maintenance of boreholes using community-based approaches

These interventions are expected to result in a **substantial reduction in GHG emissions**, while also improving public health and reducing environmental degradation.

Strategic Partnerships for Maximum Impact

The success of the **Liberia WASH Initiative** is rooted in a network of high-impact partners with proven track records in **clean water access, carbon certification, and sustainable community development**. These strategic alliances ensure strong local implementation, regulatory alignment, and technical excellence from feasibility to certification.



WaterStep (USA):

WaterStep is a US-based nonprofit with over 30 years of experience implementing WASH technologies and hygiene education in 72 countries, with 5,000+ projects completed. The NGO designs and implements resilient and sustainable WASH approaches and programs at every level of health organizations, schools, orphanages, refugee camps, gathering data on outcomes for ongoing best practices.

Role: Technical lead for project design and implementation of core technologies.



CO₂Balance (UK):

A recognized leader in the voluntary carbon market, CO₂balance has developed and certified over **14 safe water carbon credit projects in Africa**, ensuring high standards of methodology compliance, monitoring, and verification.

Role: Technical advisor for Gold Standard methodologies and carbon credit strategy.



FACE Africa (Liberia & USA):

A leading NGO in Liberia with extensive experience in WASH interventions in rural and post-conflict areas. FACE Africa has completed over **100 clean water projects**, directly improving the lives of thousands.

Role: Local implementation partner for community-based water systems and engagement.



Children House (DRC & Liberia):

A trusted grassroots organization focused on child protection, education, and health. With deep community roots, they ensure that interventions are **locally owned and sustainably maintained**.

Role: Community liaison for ongoing engagement, education, and WASH adoption.

By combining global technical expertise with **strong local partnerships**, this initiative is positioned for **scalability, certification success, and sustained community impact**.

Baseline Scenario: The Urgent Water Crisis in Liberia

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National Context (2023):

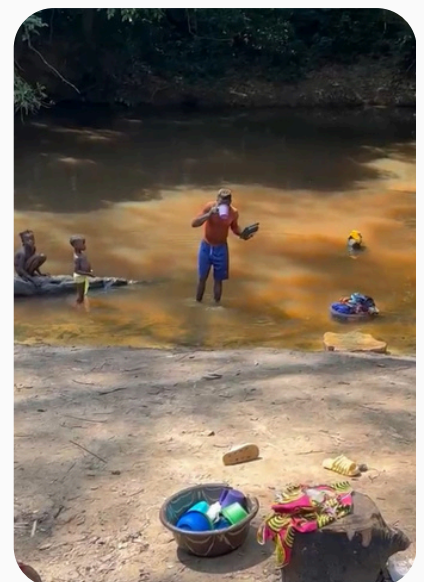
- <10% of Liberians have access to safe drinking water and sanitation services. **(UNICEF, 2023)**
- High child mortality rate: 69 deaths per 1,000 live births **(World Bank, 2022)**.
- Waterborne diseases are a leading cause of death and illness in children under five.

Rural Realities (Bong County):

- Communities rely on creeks for all water needs: drinking, bathing, washing.
- Hand pumps often broken or non-existent, leaving entire populations without alternatives.
- Waterborne diseases such as cholera, typhoid, and diarrhea are common.
- Women and children walk long distances to collect water, increasing health and safety risks.

Urban & Peri-Urban Vulnerability (Monrovia):

- Severe water scarcity in peri-urban communities.
- Reliance on open wells and unsafe purification methods (e.g., boiling with charcoal/wood).
- These practices contribute to:
 - Indoor air pollution
 - Deforestation
 - Carbon emissions
- Waste accumulation near water sources worsens health risks, especially in high-density areas.



Technology & Additionality

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Technological Approach

The **Liberia WASH Initiative** adopts a **flexible, community-centered technology model**, ensuring that each solution is tailored to the **specific environmental, geographic, and logistical context** of the target area. This adaptive strategy maximizes effectiveness, cost-efficiency, and long-term sustainability.



Core Water Technologies:

- Borehole drilling and construction for deep groundwater access
- Hand pump rehabilitation to restore existing but non-functional infrastructure
- Rainwater harvesting systems for decentralized water supply
- Desalination units for saline-affected regions
- Elevated water tank systems for gravity-fed distribution
- Integrated water and sanitation platforms combining clean water access with hygiene infrastructure

Hygiene & Health Co-Benefits

In addition to providing access to clean water, the initiative incorporates **WASH-focused health interventions** that contribute to **SDG 3: Good Health and Well-being** and support the **certification of additional social co-benefits** under Gold Standard.

Key Health Interventions:

- **Handwashing stations** installed in schools, clinics, and public spaces to prevent disease transmission
- **Bleach-making machines** distributed to health centers and households to produce disinfectants locally, improving hygiene resilience and reducing the prevalence of waterborne illnesses

These components are critical to ensuring that the project delivers **measurable health outcomes** alongside its climate and environmental goals.

Women-Led Hygiene Network: Bleach Production for Clinics and Communities

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Benefits & Community Engagements

Another innovative initiative of the **Liberia WASH Project** is the "**Bleach-for-Health**" model, designed to tackle **critical health and sanitation gaps** in rural and peri-urban areas—through **community-led bleach production** and strategic distribution to homes and clinics.

How It Works:

Women-led groups in each community are trained to operate WaterStep's **bleach-making technology** using locally available materials.

These women produce bleach to:

- Supply nearby **rural clinics** for disinfection and infection control
- Maintain **household and school** sanitation, including toilets and kitchens
- Support clean water use by ensuring hygiene in **water transport containers**

The initiative strengthens public health, builds local capacity, and supports economic empowerment for women through skill-building and income-generation.



Comparable Projects

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Proven Model for Impact & Success

Criteria	Liberia WASH Initiative	Water is life - Madagascar	CO2balance Uganda	Maji Bora Project
Credits Generated	60,000/year	Up to 60,000/year	50,000/year	500,000/year
Price per Credit (\$)	15-20	15	25	20-35
SDGs Involved	1, 4, 6, 3, 13, 5, 17	6, 3, 13	6, 3, 13, 5	6, 3, 13, 15, 5, 8
Technology	Chlorine Generator, Solar-powered borehole rehabilitation	Wells with hand pumps and solar systems	Well rehabilitation and WASH campaigns	Solar-powered borehole rehabilitation
Scalability	150,000 intended beneficiaries	80,000 people	40,000 people	Nearly 1 million people

The **Liberia WASH initiative** is a **cost-effective, SDG-aligned project** designed for **Gold Standard certification**. With scalable clean water technologies and measurable climate benefits, it offers investors access to **high-integrity carbon credits** and strong **co-benefits in health, gender, and sustainability**—making it a **high-value opportunity in the voluntary carbon market**.

Source:
GoldStandard
Marketplace

Investment Structure: Secured Offtake Agreements

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Pre-Purchase Agreements for Carbon Credits

Kijani is offering strategic offtakers the opportunity to secure future carbon credits from the Liberia WASH Initiative through pre-purchase agreements at favorable, below-market rates. This approach:

- Locks in access to high-quality, Gold Standard-certified carbon credits
- Provides buyers with cost predictability
- Demonstrates strong demand-side validation for the project

Why Offtakers Benefit

- Priority access to 60,000+ premium carbon credits generated annually.
- Fixed forward pricing ensures discounts compared to future spot market rates, offering long-term price certainty and budget stability.
- Full alignment with ESG, CSR, and Net Zero goals, contributing to meaningful climate action and SDG targets.
- Enhanced brand credibility by supporting a verified, high-impact project that delivers both public health benefits (clean water for 150,000+ people) and climate co-benefits (carbon emissions avoided, deforestation prevented).

At **Kijani Group**, we don't see carbon credits as a simple by-product of environmental projects—they are **the core mechanism that links impact and financing in a measurable, transparent, and scalable way.**



A Performance-Based Finance Model for Transformational Impact

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Kijani Group proposes a **performance-based partnership model** for the **Wash Liberia Project**, where financial commitments from partners and stakeholders are directly tied to **verified, measurable outcomes**.

Instead of traditional funding or speculative carbon credit purchases, this model ensures that investments are **unlocked only when real impact is delivered**—creating transparency, accountability, and confidence for all parties involved.

How It Works:

Impact-Linked Payments

Funding is released based on the achievement of pre-agreed milestones, such as:

- Number of people with verified access to clean water.
- Volume of CO₂ emissions avoided (via verified carbon credits).

Third-Party Verification

All outcomes are **independently verified** by an accredited carbon standards body (**Gold Standard**) for full transparency and compliance. **SDG Impact Frameworks** can also be applied for thematic bonds.



A Performance-Based Finance Model for Transformational Impact—SDG Bonds and Sustainability Bonds

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Revenue Use & Reinvestment

- Revenues generated from **60,000 verified carbon credits per year** are **reinvested directly** into expanding the model to reach **1 million people** with clean water across Africa.
- This reinvestment creates a **self-sustaining engine for long-term impact**, aligning with global sustainability goals and ensuring continuous project scalability.

Risk-Sharing Framework:

By adopting a **performance-based approach**, partners only pay for **actual results**, not promises—mitigating risk and ensuring that their investment translates directly into impact.

Blended Finance:

Open to **blended finance**: combining philanthropic capital, carbon finance, and private funding for maximum leverage.

We are also open issuing a **Liberia Water & Carbon Impact Bond**:

- A **Sustainability-Linked Bond** tied to SDG outcomes (Clean Water, Climate Action, Health).
- **Anchor investor/guarantor** to unlock private capital and de-risk the transaction.



Impact Opportunity

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Liberia WASH Initiative offers a unique, high-integrity impact opportunity that combines climate action, public health improvement, waste management, economic opportunity, and community resilience—all within a scalable, results-based framework.

While all figures are currently projections based on feasibility data, the anticipated impact includes:

- Providing **safe drinking water** access to **150,000+ people** in rural and peri-urban Liberia, directly addressing the water crisis and reducing the incidence of waterborne diseases like cholera, typhoid, and diarrhea.
- Reducing deforestation and carbon emissions by eliminating the need for households to boil water using firewood or charcoal, generating **60,000 verified carbon credits annually**.
- Reducing indoor air pollution, benefiting especially women and children from eliminating exposure to smoke from traditional fuel burning.
- Freeing up time for women and girls, who currently spend hours each day collecting water and firewood.



Long Term Plan Vision

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This is more than just a pilot project. It's the **launchpad for a scalable, high-integrity solution** to Africa's water, health, and climate challenges.

By investing in the **Liberia WASH Initiative**, you are not only providing **safe drinking water access for 150,000 people**, but also **building the foundation** for a transformative model that can **impact 1 million people across the continent**.

The revenues generated from **60,000 verified carbon credits annually** in this initial phase will be **reinvested directly into future projects**—fueling **exponential growth, unlocking new markets**, and **creating a self-sustaining engine for climate-positive development**.

This is a **rare opportunity** to get in early on a **high-impact, replicable model** that aligns with global ESG and Net Zero goals—while also delivering:

- **Priority access to premium carbon credits** at forward rates, hedging against future market volatility.
- The ability to **claim real, verified impact metrics** for carbon reductions, lives improved, and waste recycled—backed by third-party validation.
- **First-mover advantage** in a nascent market with enormous potential for scale and growth.
- A tangible, authentic impact story that reinforces your brand's leadership in sustainability and global development.

This is not just an investment in a project—it's an investment in a **long-term, scalable solution that redefines how climate finance can deliver life-changing impact across Africa**.

Let's build this future—**starting now**.





Contact Information

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