

## The Living Water System

At the heart of Waqa Ni Rarama flows Na Wai Ni Bula — “the water of life” — an integrated rainwater harvesting and natural filtration system designed to celebrate and protect freshwater as a sacred element of Fijian life.

Rain is first captured by the solar sails — a canopy of photovoltaic membranes that collect both sunlight and water. As droplets slide down the sails' curved geometry, they are channeled inward like the ribs of a great drua canoe, directing flow into a sculptural collection spine at the structure's center.

From there, the water descends through a gravity-fed, closed-loop system of natural filtration — a terraced series of chambers filled with gravel, sand, activated charcoal, and fast-growing, native materials like bamboo, vetiver grass, and coconut husk. These species not only purify, but also embody the regenerative spirit of the land they come from.

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### Beacon of Climate Resilience

- Solar Sails: Dual-function surfaces that harvest both solar energy and rain
- Petal Catchers: Canoe-inspired collectors directing water inward
- Biofiltration Tiers: Layers of locally-sourced fauna including bamboo roots and fibrous plants
- UV Disinfection (Solar-Powered): Ensuring potability at final stage
- Cistern Storage: 5,000L subterranean holding tank with overflow irrigation option
- Community Taps: Public access points for hydration, washing, and ritual use