D-OLF HYDROMETRIC NIGERIA LIMITED

RC 1372393 · INNOVATIVE ENGINEERING & ENVIRONMENTAL CONSULTANCY

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Sustainable National Development Mission

We drive sustainable development by harnessing clean energy and advanced hydrometric data. Our firm champions the global Net Zero agenda by transforming underutilized water bodies into high-efficiency hubs for electricity and ecological sustainability.

EXECUTIVE SUMMARY

D-OLF delivers bankable, high-yield solutions designed for sustainable commercial returns and long-term socioeconomic impact. We fuse hydrology, electro-mechanical engineering, and modern analytics to optimize vital water assets.

Strategic Value Propositions

INSTITUTIONAL INVESTORS

Risk-mitigated infrastructure combining dual revenue streams: solar generation and water optimization with capital stability.

GOVERNMENT TENDERS

Full compliance with regulatory standards and alignment with Nigeria's Energy Transition Plan (ETP) mandates.

CORPORATE PARTNERS

State-of-the-art telemetry and data-driven resource modeling for Tier-1 engineering execution capacity.

Core Pillars of Expertise

Renewable Energy Systems

Floating Solar PV Deployment, Hydropower Systems, and Waste-to-Energy Utilities.

Hydrometric Analytics

Real-time telemetric gauging, Predictive inflow modeling, and High-fidelity data for agriculture.

Integrated Reservoir Management

Capital dredging, Advanced sediment control, and Detailed hydrographic/bathymetric surveys.

Flagship: The Solar-Hydro Nexus

We repurpose underutilized dams into high-performing systems. Floating PV shields water surfaces to cut evaporation, while daytime solar preservation allows hydro to meet evening peaks.



HYBRID GENERATION PROFILE
Solar (Day) + Hydropower (Night)

Target Sectors & Alliances

Federal & State Ministries · RBDAs · State Water Boards · Hydropower GenCos · Large-scale Agriculture · Industrial Operators

PUBLIC PROCUREMENT

Direct partnerships with Ministries of Water Resources and River Basin Development Authorities for national utility resilience.

ENERGY UTILITIES

Hydropower GenCos and IPPs looking to enhance capacity factors and stabilize dispatch profiles using solar hybridization.

Strategic Investor Framework

Pipeline targeting 135 MW combined Floating PV capacity integrated with 21,000,000 m³ reservoir sediment management.

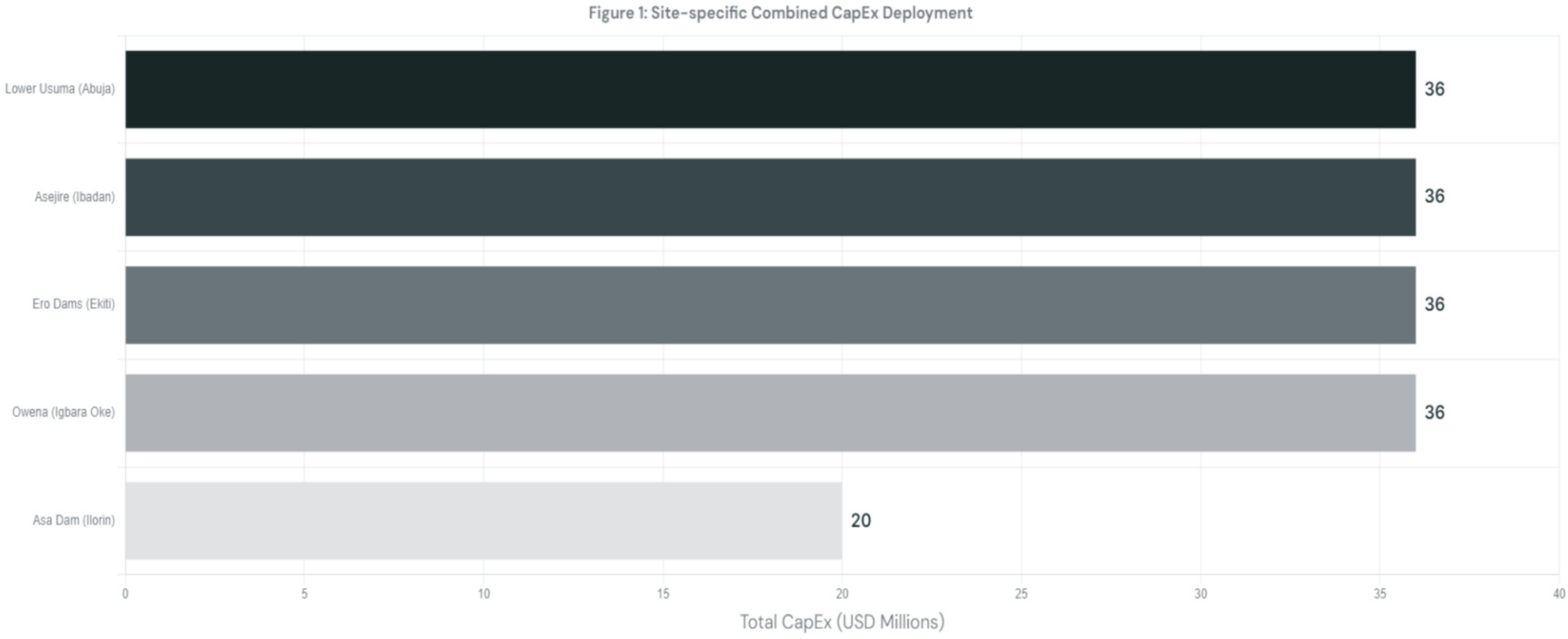
ZERO LAND RISK
Floating bypasses community land negotiations.

12.5% YIELD GAIN
Water cooling improves PV efficiency over land.

SHARED CAPEX
Uses existing dam sub-station grid connections.

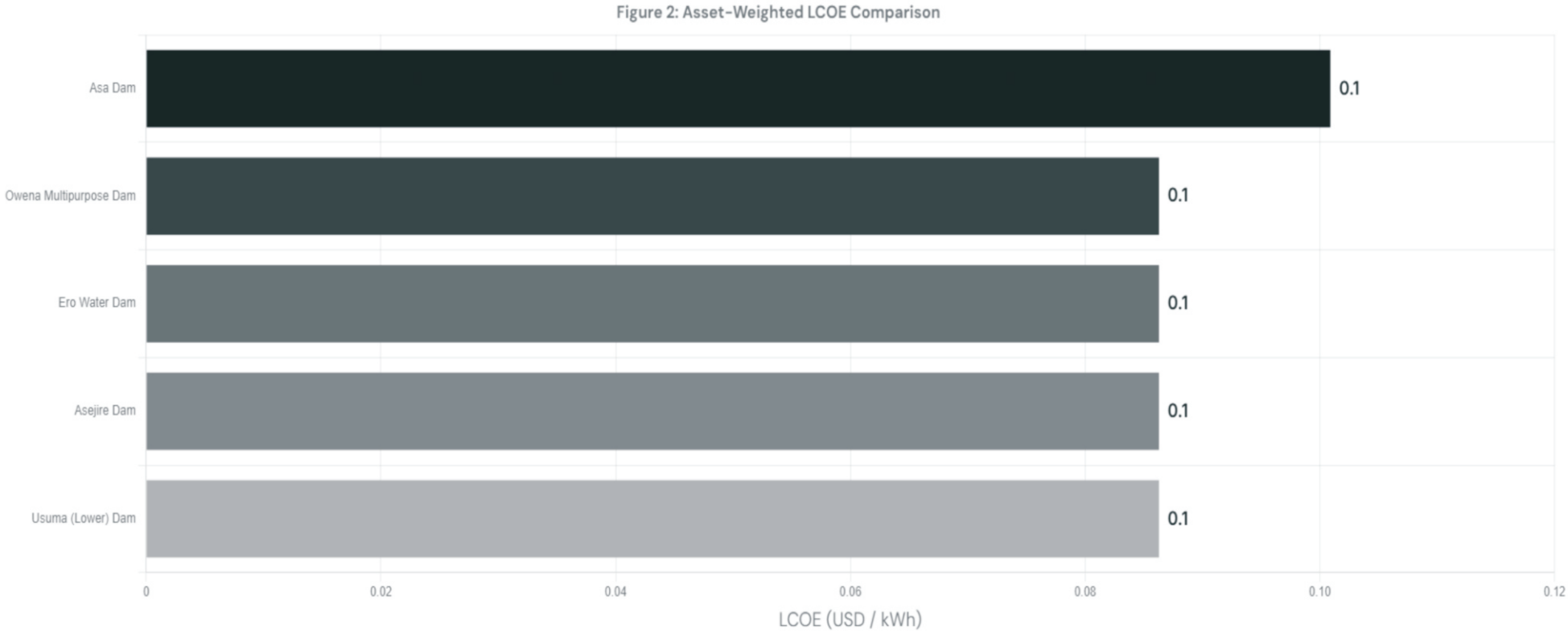
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Capital Expenditure Breakdown



PORTFOLIO TOTAL: $164.00 MILLION USD · 135 MW CAPACITY

Levelized Cost of Electricity (LCOE)



Portfolio Weighted Average: $0.0975/kWh. Highly competitive vs. diesel generation and legacy grid tariffs.

Operations & Maintenance Profiles

OpEx covers mechanical solar cleaning, mooring adjustments, inverter replacements, and hydrographic monitoring to ensure maximum uptime.

ANNUAL OPEX SUMMARY

- Major Dam Sites: $570k / yr
- Asa Dam: $317.5k / yr
- Lower Usuma: $570k / yr
- Ero Water: $570k / yr
- Owena Dam: $570k / yr

Off-take & Revenue Safeguards

LONG-TERM PPAS

20-to-25 year take-or-pay agreements with NBET or regional DisCos.

INDUSTRIAL OFF-TAKE

Direct corporate PPAs with state water corporations for municipal treatment.

USD INDEXATION

Agreements pegged to USD to shield investors from Naira volatility.

Project Financial Viability Verified

D-OLF Hydrometric’s dual ties assets are highly competitive clean power sources, matching current grid tariffs while ensuring water resilience.

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