



Volta River Authority

Creating Reality through Partnerships

The Liberian Emergency Power Programme

**Challenges, Opportunities & the Future
for the electrification of Liberia**

BACKGROUND

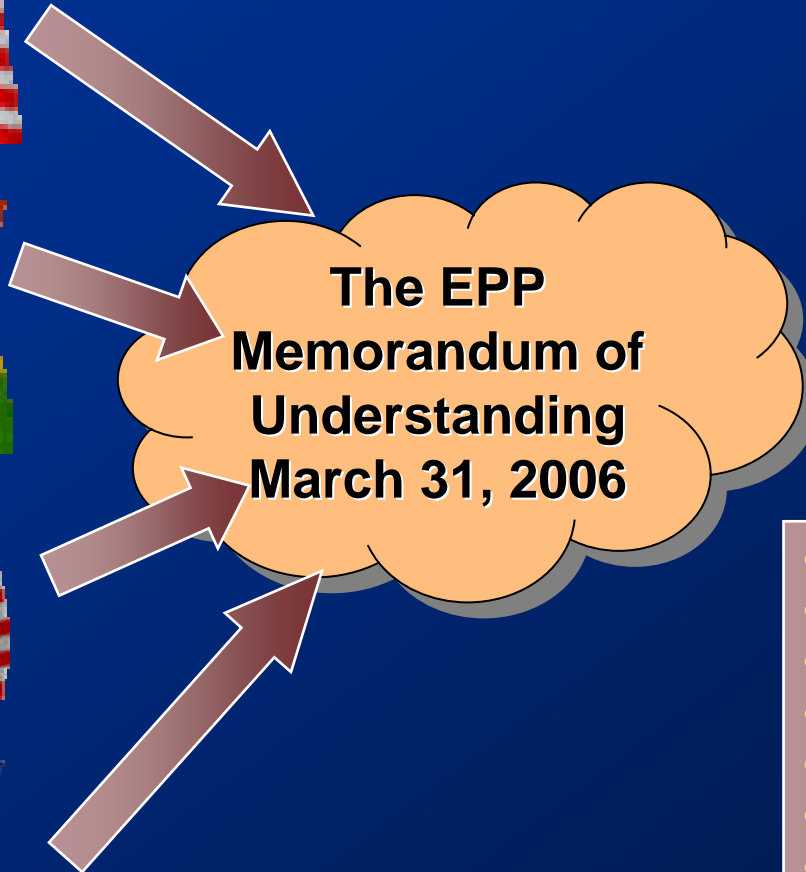
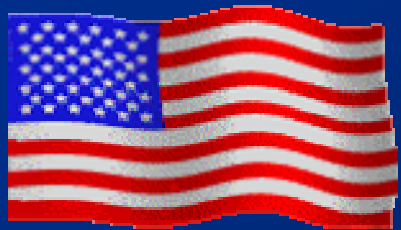
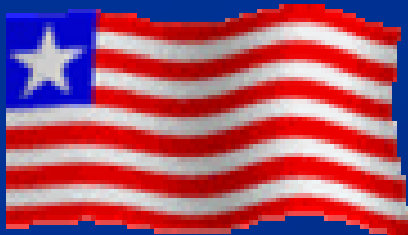


**Power Supply
infrastructure
destroyed &
virtually
collapsed during
prolonged years
of conflict**



The EPP 1 Commitments

Total EPP 1 Funded Cost approx US\$7.8m



CONGOTOWN & KRUTOWN
Coverage Area
CRITICAL SERVICES
Medical Facilities, essential
public services, streetlights

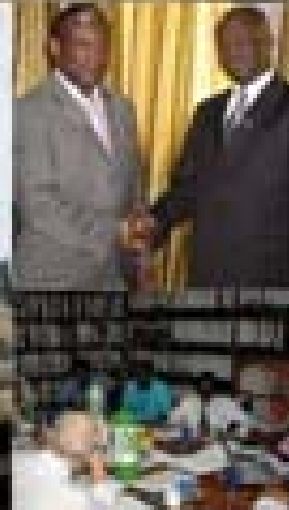
- Diesel Generators
- MV& LV Distribution
- Street Lighting
- VRA Technical Assistance
- 6-mths Operations Support
- Fuel & Lubricants Supply
- Customer Service Systems
- Training of LEC Staff
- LEC restructuring

Kru Town

Doing these two locations also meant to create public confidence that social systems & services can be restored in a most effective manner ...

Congo Town

***The Emergency Power Programme
for parts of Monrovia***



"The Finished Product"

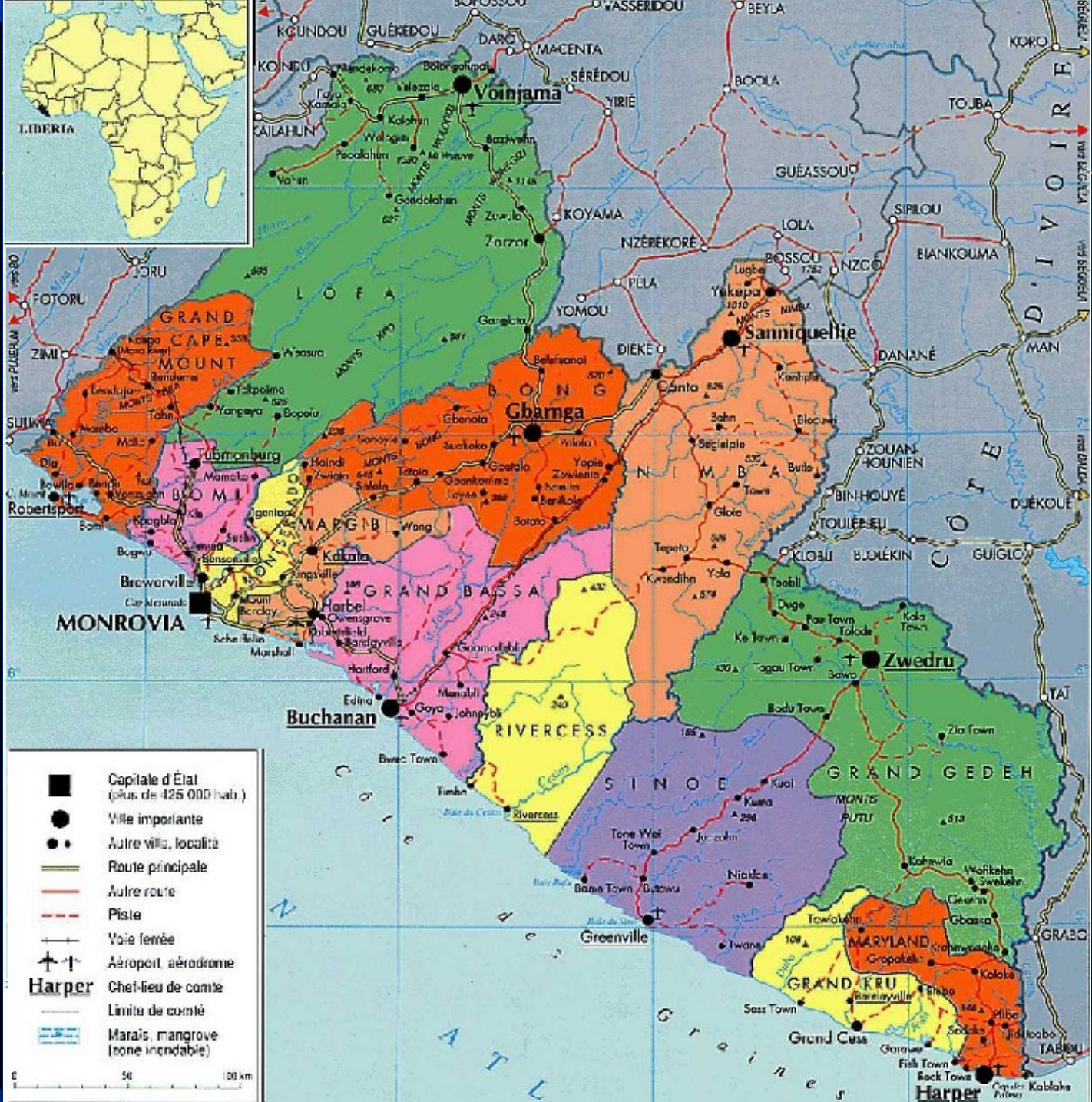


What made it Possible!

- **Ghana's 30yr National Electrification Prog**
 - Phases of 5-yr blocks
 - Grid Connection of all District Capitals and towns/villages on-route to the District Capitals
 - The electrification of communities in the order of most economically viable projects
- **Ghana's Self-Help Electrification Prog**
 - 20km of an existing 11kV/33kV network
 - willing to procure and erect all Low Voltage poles required for the works
 - Quite a good number of houses in the community electricity ready

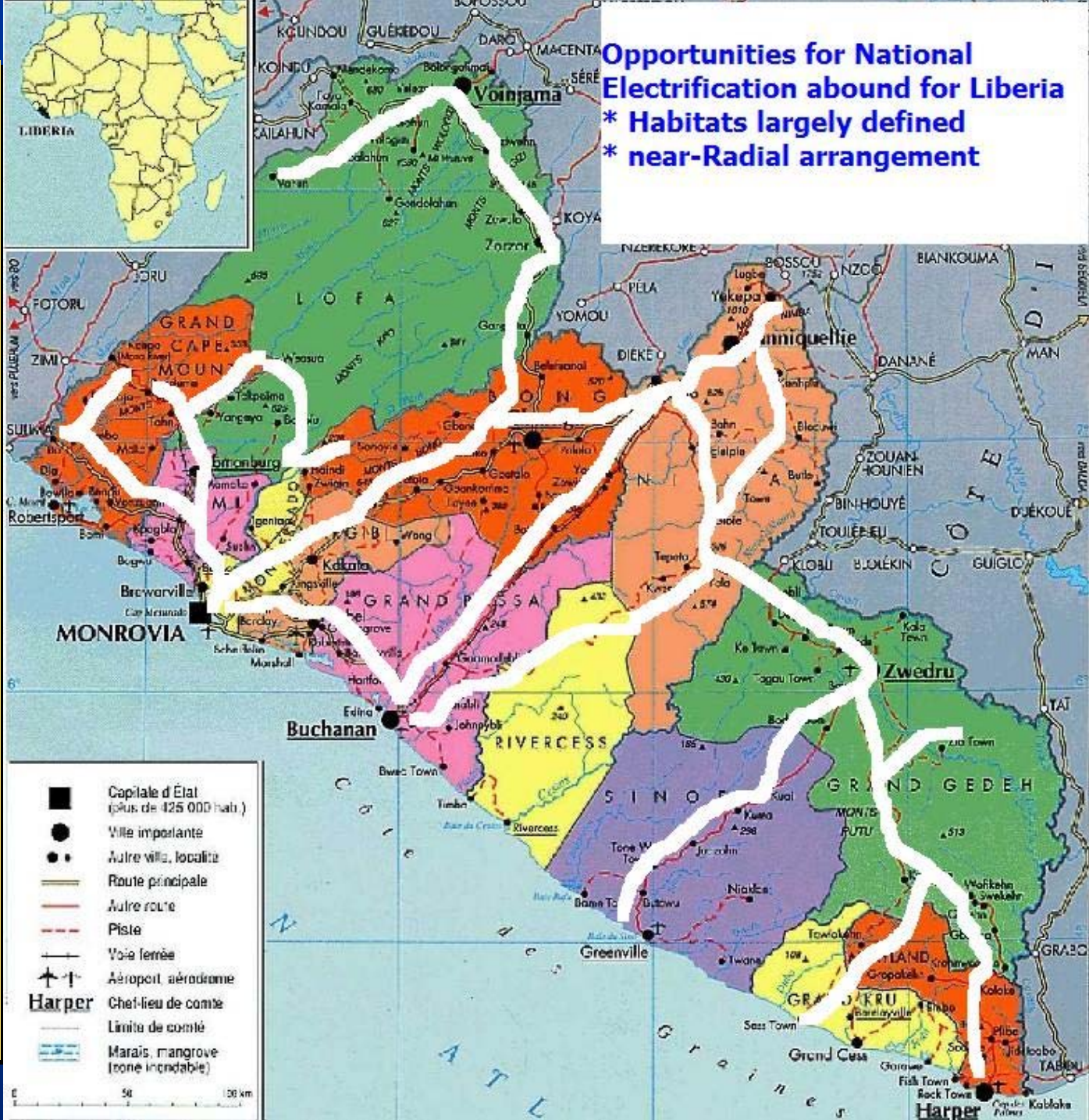


Liberia, its Possible!



Liberia, its Possible!

See the Possibility!



See the Possibility!

The new Paradigm

- **Mimic Ghana's NES/SHEP Philosophy**
- **Strong National Utility with leverage**
- **Tariffs must be adequate to meet Gen & TX expansions & operations**
- **Govt must fund Rural Distribution Extensions**
- **Ensure that IPPs/DistCos serve as agents of development rather than threat to energy security**

The Way Forward

Policy & Planning Interventions

- National Consumption Mapping
- National Electrification Strategy
- Off-Grid/Renewable Energy Options
- Utility Regulatory Regime
- Sustainable Tariff Policy

The Way Forward

Human Resource Development

- **Power System & Electrical Services**
technical Training Infrastructure
- **System Planning & Integration**
Training for specialist staff
- **Upgrade general education**
infrastructure for complementary
services – finance, legal, admin, trades

The Way Forward

Infrastructure Development Support

- **Power System Plant & Equipment**
- **Sustained Stockpiling of Distribution Materials**
- **Transportation & Logistics services**
- **Reform fiscal regime for Power Sector**

The Way Forward

Partnerships

- Donor Partnerships critical for generation expansion & for rural & national electrification programme
- PPPs with IPPs/DistCos critical for major commercial infrastructure development
- Management of Country Risk the biggest threat to Partnerships



Volta River Authority



A Partner of Hope to Restore Electricity to Liberia

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THANK YOU