

From Blackout to Breakthrough: Empowering Cuba with Renewable Energy Solutions.



Vital Illumination

Powering Cuban Hospitals Through Renewable Energy

Phase 1: Seed Funding Concept

contact@vitalillumination.org | www.vitalillumination.org



The Problem

Cuba's power grid is failing its hospitals.

Chronic blackouts put lives at risk:

- Surgeries interrupted mid-operation
- Neonatal incubators go offline
- Water and oxygen systems shut down
- Diesel backups are costly and unreliable



Our Mission

Permanent Power for Essential Care

We aim to build renewable microgrids—solar, wind, battery, and hydrogen—to power hospitals through blackouts.

Phase 1 focuses on 4 critical hospitals in Santiago de Cuba.



The Pilot

Phase 1: CAD \$75,000 Seed Plan

Deliverables:

- Technical feasibility studies
- Renewable system design & specs
- Budget modeling & procurement plan
- Formal partnerships in Cuba
- Gender inclusion & training framework
- Ready-to-deploy Phase 2 proposal



Who Benefits

Direct:

- 4 hospitals
- ~10,000 patients/month
- 500+ medical staff

Indirect:

- Santiago de Cuba population (~500,000 people)

Special Focus:

- Central maternity hospital
- Women's health and emergency care



Budget Overview

Category	Cost (CAD)
Feasibility Studies	\$20,000
System Design + Budgeting	\$15,000
Local Engagement & Coordination	\$10,000
Project Management & Reporting	\$10,000
Outreach & Documentation	\$7,500
Gender & Capacity Planning	\$7,500
Contingency	\$5,000
Total	\$75,000



Why Now?

- Blackouts are worsening with ongoing climate stress
- Lack of fuel for consistent generation
- Hospitals are exceptionally vulnerable
- Cuba is ready for clean energy investment
- Small funding now enables massive impact later
- Proof of concept can be rolled out nationwide and help millions
- Blackouts are not a future threat—they're happening now.



The Ask

We are seeking:

- **CAD \$75,000 in seed funding for Phase 1**
- **Partners and technical collaborators**
- **Introductions to aligned funders and institutions**
- **Comms and Public Relations talent**



Let's Connect

Brad Bastow – Executive Director

 brad@vitalillumination.org

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 Based in Canada, working with Cuban institutions

Together, we can keep the lights on where it matters most.

