**SIERRA LEONE’S OFF-GRID SECTOR**

**Narrative:**
Electricity access in Sierra Leone is at 20% and mostly confined to the capital, Free Town. Limited access to electricity and an unreliable grid has led to the use of diesel generators for domestic, public and commercial purposes especially in the towns outside the capital. The Sierra Leone Opportunities for Business Action (SOBA) programme estimated an on- and off-grid addressable market of about 600,000 households; with typical willingness to pay of around $2/month for electricity. It is estimated that 47% of these households currently use diesel generators. Solar products enjoy tax exemptions of up to 20% import duty and 15% sales tax.

**Population Density:**
- 2015: 79 people/km²
- 2017: [Data not provided]

**Mobile money use:**
- 2017: 13.3% (World Bank Financial Inclusion Index 2017)

**Sales (pico & SHS(GOGLA):**
- H1 2016: 2,551
- H2 2016: 21,689
- H1 2017: 14,397
- H2 2017: 19,074
- H1 2018: [Data not provided]

**RISE Score:**
- 67

**Rural Electrification Rate:**
- 2.5% (World Bank, 2016)

**Poverty Headcount Ratio in 2010:**
- 60% (World Bank)

**At 67, Sierra Leone has a relatively good Framework for Stand-Alone Systems.**

The three indicators for the average framework are: existence of a national program for solar home systems, standards and quality (adoption of quality standards, presence of testing arrangements, environmental regulations on disposal of solar related waste), financial incentives (duty exemptions or specific financing facilities).

**Government Target for Universal Access to Electricity: 92% by 2030**

**Ease of Doing Business:**
- 163 (World Bank 2017)

**Pay As You Go Attractiveness Index (IFC Lighting Global 2018):**
- NA

**Total Population:**
- 7.557 million (World Bank, 2017)

**Off-grid Population:**
- 6 million (World Bank)

**Increased access to reliable energy for poor and vulnerable people.**