

SIERRA LEONE'S OFF-GRID SECTOR



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

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

Narrative:

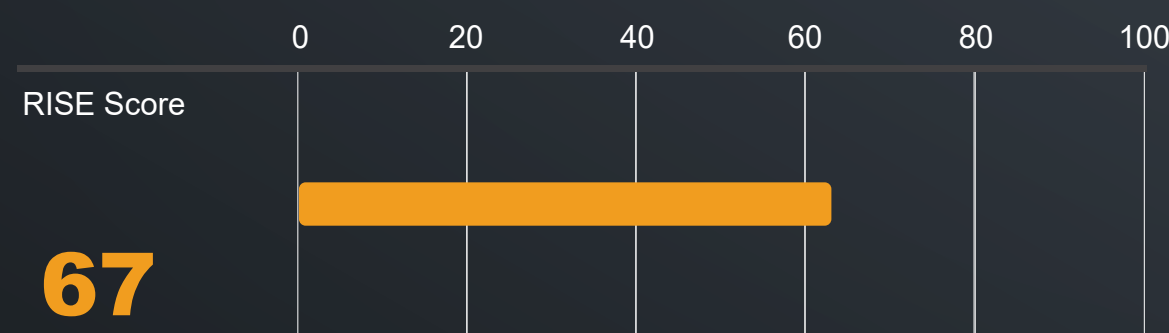
Electricity access in Sierra Leone is at 20% and mostly confined to the capital, Free Town. Limited access to electricity and an unreliable grid has led to the use of diesel generators for domestic, public and commercial purposes especially in the towns outside the capital. The Sierra Leone Opportunities for Business Action (SOBA) programme estimated an on- and off-grid addressable market of about 500,000 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 25% import duty and 15% sales tax.



60%
Poverty Headcount Ratio in 2010 (World Bank)



2.5%
Rural Electrification Rate (World Bank, 2016)

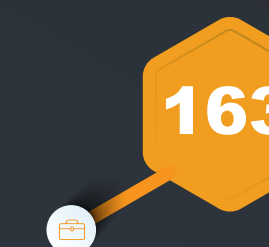


At 67, Sierra Leone has a relatively good Framework for Stand-Alone Systems.

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).

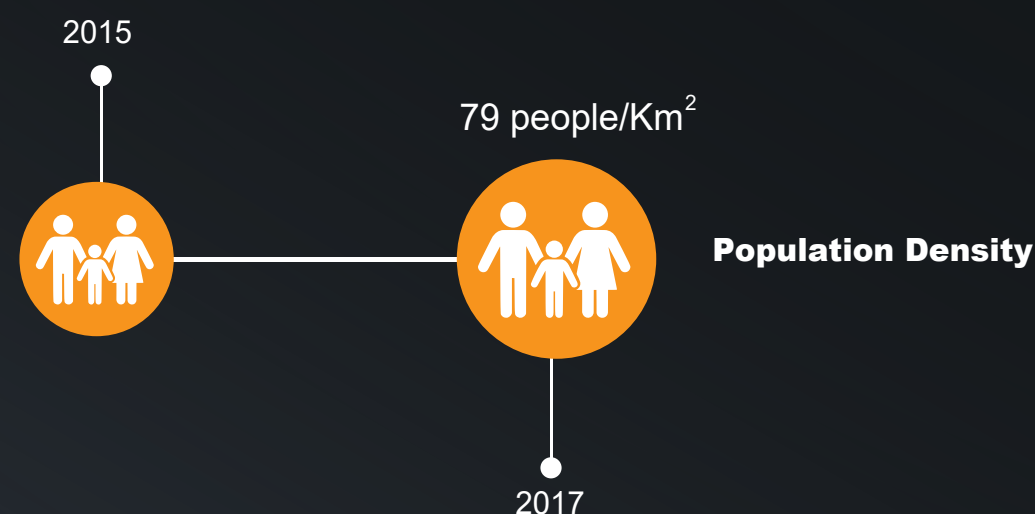
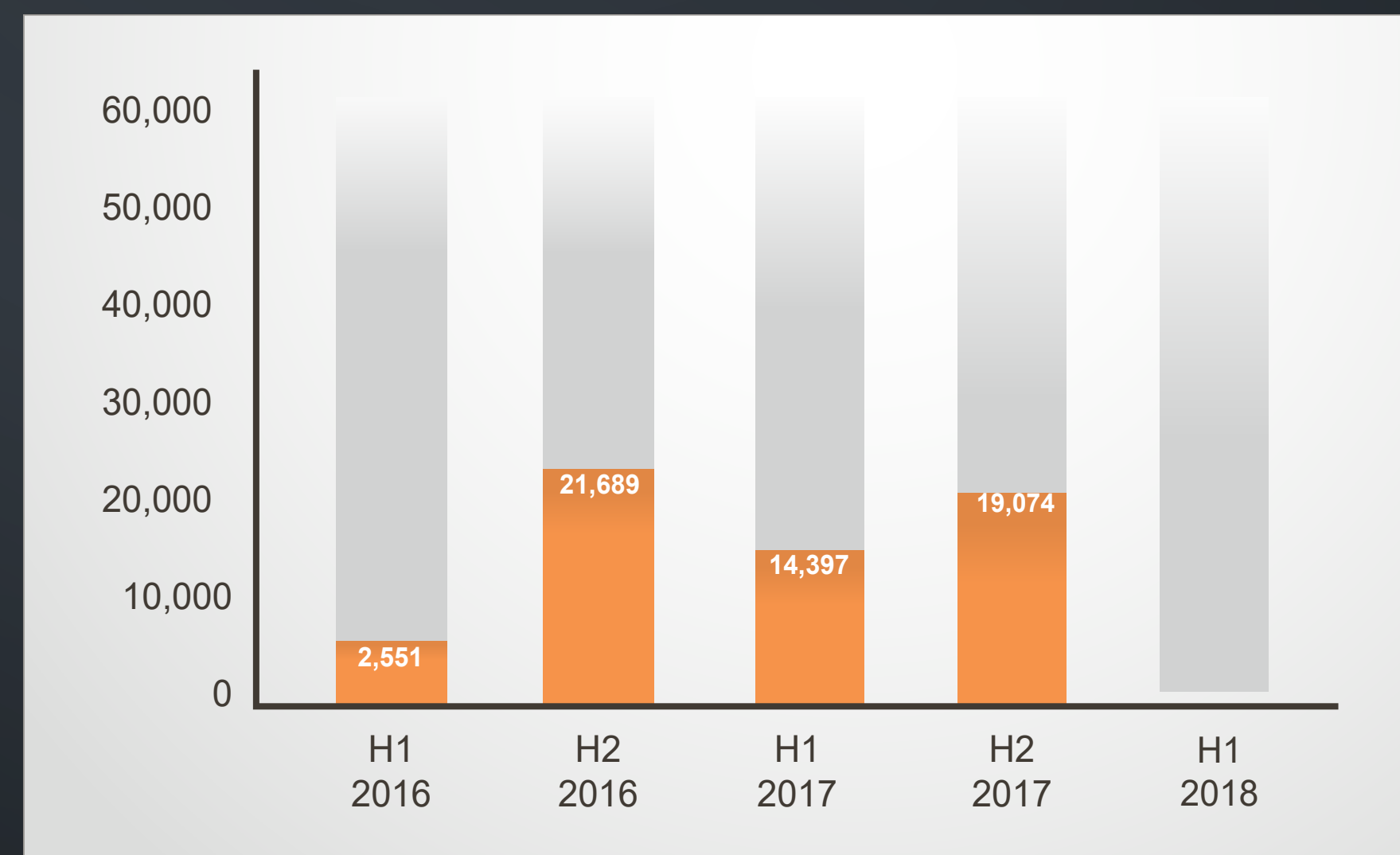
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Pay As You Go Attractiveness Index (IFC Lighting Global 2018)



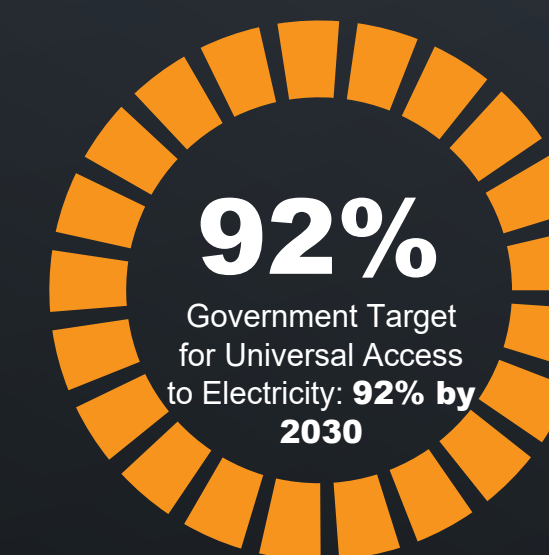
163 Ease of Doing Business (World Bank 2017)

Sales (pico & SHS(GOGLA))



13.3%

Mobile money use (World Bank Financial Inclusion index 2017)



Increased access to reliable energy for poor and vulnerable people.