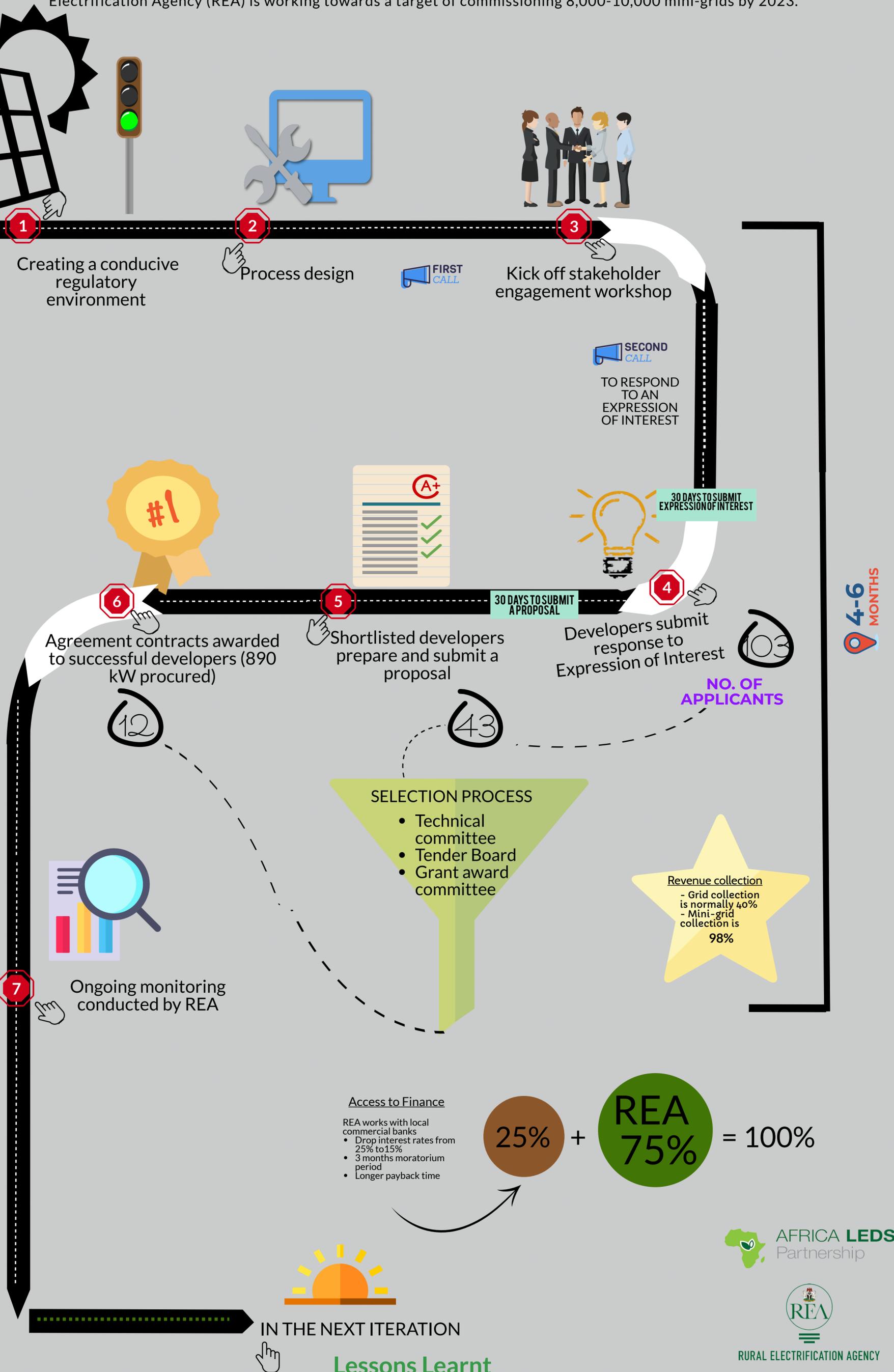


Nigeria's roadmap to accelerated mini-grid deployment

Nigeria is one of the countries leading on mini-grid deployment in Africa. With a population of 186 million, it is estimated that over 80 million still lack access to electricity, which presents a market opportunity of \$8 billion/year (RMI, 2018). Nevertheless, significant progress has been made to improve energy access with the average electrification rate at 45% (55% in urban areas and 36% in rural areas) using both on- and off-grid approaches. It is expected that renewable energy will contribute about 30% to the national energy mix by year 2030 in urban and rural Nigeria. The energy access strategy is composed of a mix of grid-tied and off-grid solutions and includes solar home systems, mini-grids, and grid extension. To deliver accelerated energy access in Nigeria, the Rural Electrification Agency (REA) is working towards a target of commissioning 8,000-10,000 mini-grids by 2023.



IN THE NEXT ITERATION

Lessons Learnt

- Adaptive process from one bid window to the next
- Technology can be used to streamline the decision-making process
- Wider consultation needed with the local banking sector
- Capacity building of local developers on business model frameworks
- Raise awareness of local developers on the impact of productive use of energy on business models
- Value chain optimisation