



# USAID SOUTHERN AFRICA ENERGY PROGRAM ANGOLA COUNTRY PROFILE

Helping Southern Africa increase power generation and access while promoting investment in the energy sector for a brighter, more sustainable future

Angola's current electrification rates are estimated at 43% in most cities and less than 10% in rural areas. The Government of Angola has set a target of 9,900 megawatts (MW) of installed generation capacity and a 60% national electrification rate by 2025. The USAID Southern Africa Energy Program (SAEP), a Power Africa initiative, is providing support to the national electricity distribution company, *Empresa Nacional de Distribuição de Electricidade* (ENDE) and the national electricity transmission company, *Empresa Rede Nacional de Transporte de Electricidade* (RNT) as they tackle these electrification challenges and build a stable, connected transmission network.

## MOBILIZING DEVELOPMENT FUNDING

In March 2020, the African Development Bank (AfDB) announced a multimillion-dollar loan to Angola's power sector under the first phase of the Energy Sector Efficiency and Expansion Program (ESEEP). ESEEP consists of three components: the construction of a 343-kilometer Central-South transmission line, installation of prepaid meters to improve revenue collection, and program management for project design and implementation. The Program aims to reinforce the operational capacity of Angola's power distribution while increasing the wheeling capacity of the countrywide transmission system. SAEP has been partnering with RNT and ENDE since October 2019 to prepare loan application documents and critical procurement documents needed to meet AfDB's funding timelines and support the execution of this ground-breaking program.

## SUPPORTING ELECTRIFICATION EXPANSION

Angola's distribution utility, ENDE, is expected to be at the forefront of the country's electrification efforts. ENDE's primary focus is to distribute and market electricity nationally through the operation of distribution grid assets. In 2019, ENDE had 1.8 million customers across 18 distribution centers. Of these customers, only around 600,000 are connected to paid electric meters. The rest are billed based on monthly average consumption.

SAEP is supporting ENDE to effectively and efficiently install over 1.2 million prepaid meters over the next five years. A key component of this support was to assist ENDE in the design and set-up of a Project Implementation Unit (PIU), which has been successfully completed. The PIU will manage all aspects of the AfDB energy program, including the procurement and installation of prepaid meters and supporting infrastructure. Further areas of support comprise the development of the procurement plan and the strengthening of ENDE’s Commercial Department to ensure customers are better served and revenue management is improved.

## STRENGTHENING ANGOLA’S TRANSMISSION BACKBONE

Currently, the Angolan power system comprises three isolated transmission networks: Northern, Central, and Southern.. RNT has the mandate to implement a national transmission backbone, connecting the Central to the Southern system with a 343 km line from Huambo to Lubango with substations associated to it. SAEP is working with RNT to establish a PIU with a dedicated RNT team to manage the project. The approach focuses both on the preparation and implementation phases of the Central–South transmission backbone project.

## IMPROVING THE REGULATORY ENVIRONMENT

SAEP is supporting the Angolan Regulatory Authority for Energy and Water (IRSEA) to develop a roadmap that addresses gaps in the regulatory environment impeding investor confidence in Angola. SAEP is consulting with the management and senior staff of the organization and reviewing specific strategy documents to help shape the roadmap for IRSEA and Angola.



ENDE and SAEP technical teams inside the ENDE control center. Photo: SAEP



Mapping out the procurement action plan with RNT during a training workshop. Photo: SAEP



SAEP and the Administrator of Angola’s Regulator IRSEA, Mr. Jose Quarta, in Pretoria, South Africa in February 2020. Photo: SAEP

## CONTACTS

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