

JORDAN

AE: TBD



GREEN
CLIMATE
FUND

GLOBAL
PROGRAMMING
CONFERENCE

Project title

Electric Vehicle Charging Infrastructure

Result areas

[Low-emission energy access and power generation, Low-emission transport]

Sector

Public/Private

Total financing, USD

[USD 50 – 120 M]

GCF financing, USD

[type amount here]

Financial instrument

Grant/Loan /Guarantee/Equity

Description of specific climate change problem and how the project will address it

Electric mobility is a major untapped opportunity for energy efficiency in Jordan. Electric vehicles are an attractive, low-cost alternative to conventional engine cars for personal transport. As of 2019 there are more than 19,000 EVs on the road– and Jordan has a faster EV uptake growth rate than most developing countries. While the government has supported this uptake through introduction of fiscal incentives, consumers are struggling to access reliable charging services. Service provision is scattered because regulators and distribution companies do not have the financial or technical resources required to provide the basic energy infrastructure required to safely and effectively manage a fully integrated EV system into the existing energy system.

Alignment with key country priorities and stakeholders engaged

Jordan's Green Growth Action Plan and NDC Action plan both highlight electric mobility and its infrastructure as key mitigation measures which will have a direct impact on reducing GHG emissions. The Ministry of Transport, Greater Amman Municipality (GAM), Ministry of Energy, and Ministry of Environment are the key stakeholders.

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Activities

This project would provide the government, power generation and distribution companies, and private sector investors with the financial and technical assistance needed to establish an EV charging network infrastructure. This investment would include hardware components (grid connections, additional cables, cloud computing devices), software components (programs for managing connected charging points), and technical training for decision makers and technical staff who will plan and maintain the infrastructure.

Expected outcomes

This level of training and infrastructure is a critical first step in enabling investment in the charging services market, which would substantially increase uptake of EVs, reduction of GHGs, and overall increase in energy efficiency. Also, investing in the charging infrastructure will provide the distribution companies a new and sustainable source of revenue (to be paid by charging service providers who connect), which will assist in the government's efforts to reduce overall budget deficit to 71% of GDP by 2021. To determine the costs a feasibility study would need to be done.

Paradigm shift potential

- *Shift to electric mobility will reduce GHG emissions, air pollution, and dependence on oil imports which for Jordan puts huge amounts of cost savings back into the economy and public sector for other services.*