



J R E E E F

Jordan Renewable Energy & Energy Efficiency Fund
صندوق تشجيع الطاقة المتجددة وترشيد الطاقة

MINISTRY OF ENERGY AND MINERAL RESOURCES
وزارة الطاقة والأشياء المعدنية

World Bank Energy Efficiency Seminar

Vienna

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Topics

- About JREEEF
- JREEEF's partners
- 2015-16 Programs
- Replenishment strategy
- Leveraging results via donor cooperation
- Expected Outcomes

Goals and Objectives



- Goal (per Law No. (13) Of 2012): Provide the funding necessary to exploit renewable energy and rationalize energy consumption
- Objectives:
 - Support investments in renewable energy resources to conserve and/or generate energy and in energy efficiency.
 - Support stakeholders to implement renewable energy and energy efficiency
 - Improve the availability of financing for renewable energy and energy efficiency projects
 - Cooperate with local and international financial institutions who are also supporting renewable energy and energy efficiency



VISION

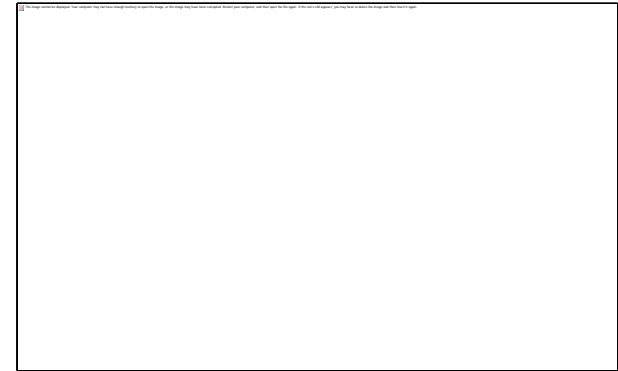
To make Jordan the recognized regional leader in sustainable energy implementation

MISSION

To facilitate scaling-up of renewable energy and energy efficiency to meet the energy needs of Jordan, in accordance with the National Energy Strategy and National Energy Efficiency Action Plan.

Strategic Objectives

- Reduce the burden of high energy costs on vulnerable sectors and consumers
- Scale-up RE and EE investment through projects and initiatives
- Develop Jordan's RE and EE industries
- Facilitate the availability of affordable financing
- Leverage available funding through partnerships with donors and the private sector

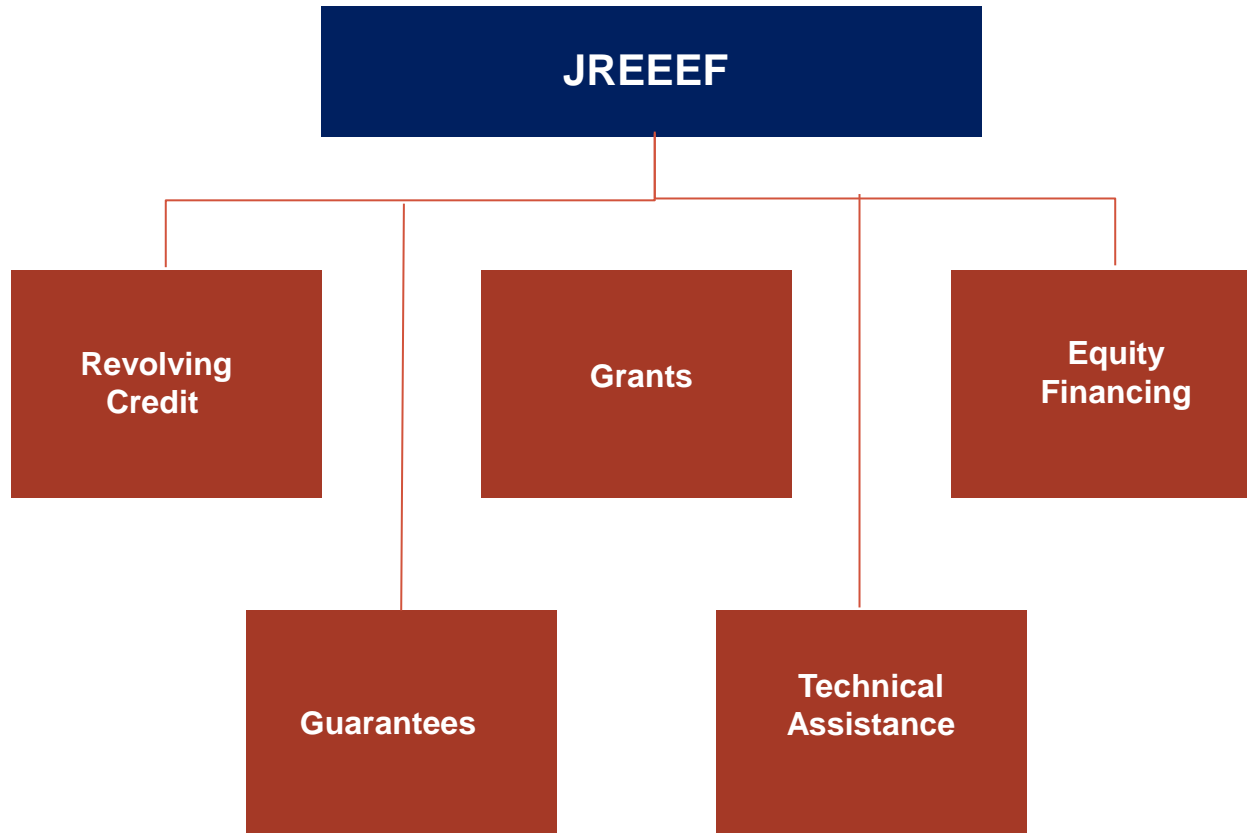


JREEEF Bylaw



- Developed collaboratively with donors
- Vetted by MEMR's Legal Department and JREEEF's Management Committee
- Focused on effectively and transparently managing and operating the Fund, and monitoring the impacts of its operations
- Defines
 - Tasks and authorities of Management Committee
 - Financial resources, accounting and control
 - Major goals
 - Programs and activities
 - Beneficiaries
 - Monitoring, evaluation and reporting

Support Windows



JREEEF's Partners

Intermediaries

- Jordan River Foundation
- Mercy Corps
- Community Based Organizations
- Electricity distribution companies

Financial Partners

- Central Bank of Jordan
- Commercial banks
- Microfinance institutions
- Military Credit Union

2016 Business Plan



HM King Abdullah II School Heating Initiative

- JREEEF was asked to coordinate implementation of the Royal Court's solar schools heating initiative
- JREEEF is:
 - Chairing coordination meetings with concerned authorities.
 - Cooperating with EBRD and other donors to develop required technical and financial studies.
 - Coordinating stakeholder consultations
 - Developing an implementation roadmap for the royal initiative
 - Mobilizing donors to provide needed technical assistance and studies
- Current activities:
 - Prepare a multiyear comprehensive plan for the initiative
 - Fund a 50 school pilot project through the JREEEF budget
 - Promote broad participation in the initiative from donors, civil society, and the private sector

Household Programs

Project	Targets	JREEEF Support mechanism
Solar water heaters	<ul style="list-style-type: none"> • 15,000 installations in 2016 • 100,000 by 2020 	<ul style="list-style-type: none"> • Partial grant • Bulk procurement • Interest subsidy
LED lighting	<ul style="list-style-type: none"> • 30,000 households in 2016, including communities impacted by Syrian refugees • 1 million total lamps by 2020 	<ul style="list-style-type: none"> • JREEEF provides lamps • Customer charge covers delivery costs
PV	<ul style="list-style-type: none"> • In cooperation with CBOs • Implementing across Northern Jordan – from Ma’afraq to Al Ghor 	<ul style="list-style-type: none"> • Partial grants • Credit-repayment scheme
Off-grid electrification	Substituting distributed generation for grid connections	In cooperation with rural electrification unit

Expected RE and EE Installations – 2015 to 2020



- 200,000 solar water heaters
- 100,000 2k solar PV systems
- 1millionLED lamps



Government Buildings

Activity	Targets	JREEEF Support mechanism
Identifying energy saving projects	Ministries and agencies in Amman (except MoE and MoH)	Investment-grade audits plus capacity building for energy officers
Mobilizing project investment	Up to 6 projects	Workshop for donors and ministries (May 18) Cost-sharing from MEMR budget

SMEs and 3-star Hotels

Activity	Approach	JREEEF Support mechanism
EE and RE Support to industry	In cooperation with Jordan Chamber of Industry to	<ul style="list-style-type: none">• Energy audit grants• Investment cost-sharing
EE and RE support to 3-star hotels	<ul style="list-style-type: none">• In cooperation with Hotels Associations• With the technical assistance of ESCB• Pilot project for Petra hotels	<ul style="list-style-type: none">• Energy audits (AFD)• Full or partial interest subsidy• Potential partial grants to project investments from AfD

Places of Worship

Activities	JREEEF Support mechanism
<ul style="list-style-type: none">• Energy audits	<ul style="list-style-type: none">• Grant of up to 25% of audit cost or JD 2500
<ul style="list-style-type: none">• Mobilizing project investments in cooperation with Ministry of AWaqf, local communities, private sector and donors	<ul style="list-style-type: none">• 25% co-funding by Ministry of AWaqf• 50% co-funding by local communities and/or private sector

Other Programs

Program	Approach	JREEEF Support mechanism
Innovation support	<ul style="list-style-type: none">• Support innovative RE and EE activities• Technical evaluation and oversight committee.	<ul style="list-style-type: none">• Requests for grant proposals• Grants from JREEEF, with potential co-funding by donors
Awareness and education campaigns	<ul style="list-style-type: none">• Promotion of RE and EE in all sectors• Ongoing cooperation with MEMR and EU	Financed by JREEEF budget and donor
Training of JREEEF partners and intermediaries	<ul style="list-style-type: none">• Cooperate with training and capacity building institutions	Financed by JREEEF budget and donors

Replenishing JREEEF

- Objective: Guarantee JREEEF's sustainability for the next ten years
- Initial GOJ investment:
 - JD 22 million transferred from the Rural Electrification Account (Rural files)
- Recurrent funding sources:
 - Annual public budget allocations
 - Return on existing funds
 - Additional flows from the Rural Electrification Public Benefits Charge
 - Returns of carbon certificate sale
 - Returns from JREEEF projects

Leveraging JREEEF through donor cooperation



- **IKEA in-kind grant:** 51,000 LED lamps for installation in communities affected by the Syrian refugee crisis (completed)
- **EU Grant:** Euro 17 million budget support for four years to support household PV and SWH systems, innovation support, and capacity building (underway)
- **Canadian Grant:** CAD \$22 million over four years to support EE and RE interventions in economically-distressed regions of Jordan (just underway)
- **Jordan Syrian Crisis Response Program:** 127 million over four years for communities affected by the Syrian refugee crisis (under discussion)

Expected Outcomes

- Reduced electricity subsidy flows
- GHG emission reductions
- Improved competitiveness of key job-creating economic sectors, especially industry and tourism.
- Reduced fuel imports and energy demand growth
- Growing stature of Jordan's clean energy presence throughout the region
- Employment opportunities in the energy efficiency and renewable energy sectors
- Higher awareness of energy-saving opportunities and their importance to the Kingdom



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THANKS FOR YOUR ATTENTION