

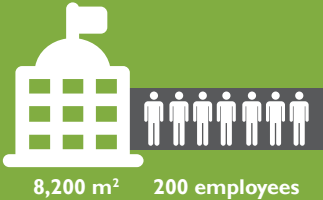


MOICT reduces energy bill by 20% in one year
Even with staff increase of 25%, saved JD39,400 on its energy bill – all using its own budget.



Building Characteristics

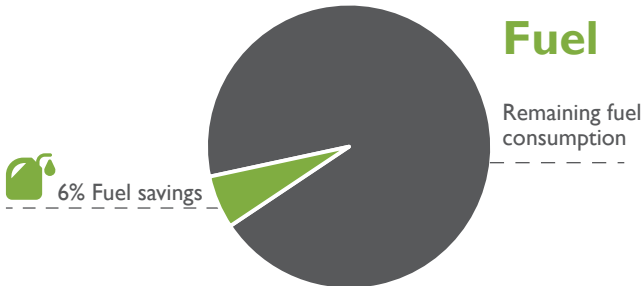
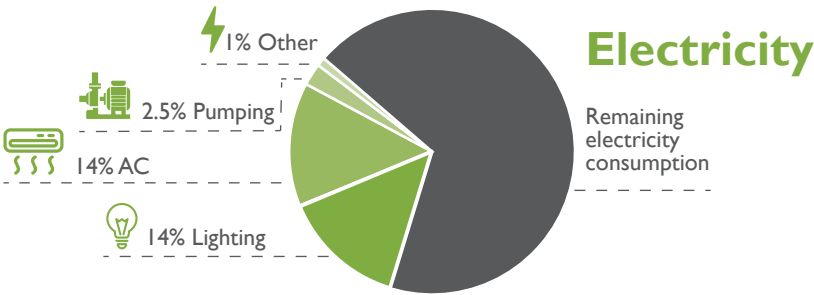
“We took funds from our operational budget to establish a culture of energy efficiency. Our Building and Maintenance staff can make the technical changes; but we need all employees to join the effort by taking actions such as turning off lights.” - **H.E. Eng. Nader Thneibat, MOICT Secretary General**



The Ministry of Information and Communications Technology takes its commitment to energy saving seriously. With high level support, teamwork and employee engagement, MOICT shows how government agencies can reduce their energy use.

USAID Energy Sector Capacity Building Energy Audit Result

Projected electricity and fuel savings



The USAID Energy Sector Capacity Building Activity (ESCB) conducted a full energy audit in cooperation with MOICT building and maintenance staff.



Teamwork is the key

What is an energy audit?

- Analyze electricity and fuel usage and costs for 1- 2 years
- Analyze the type and condition of energy using devices (air conditioning, heaters, boilers, lights)
- Identify costs and energy savings potential of energy efficiency measures



"The professional training provided, and conducting audit with USAID ESCB gave me the skills and confidence to fully implement audit recommendations."

Eng. Ahmad Jaber, MOICT Building and Maintenance Manager: Certified Energy Manager, Certified Renewable Energy Professional, Certified Measurement and Verification Professional.

MOICT Implemented proposed Energy Efficiency (EE) measures and did even more

- Changed all lights to LED
- Turned off 2 unnecessary water pumps
- Cleaned diesel boiler
- Conducted employee awareness campaign
- Changed all windows to triple glazing for better insulation
- Negotiating a “Performance Contract” with private company to install new air conditioning/heating system. The company will fund the new system and get rapid payback from the savings over a period of time.

In addition to EE measures, MOICT started using Renewable Energy (RE) by installing a solar PV system as it built a new car park.

Actual energy savings

From Energy Efficiency measures



From Renewable Energy



Savings on EE can help fund RE investments

“First stop wasting the energy you have. Then think about renewable energy.”

Ghassan Najji, USAID ESCB

Why do we do Energy Efficiency first?

- Cheapest, fastest method you can do right away yourself
- You get your money back faster – usually in less than a year
- You do not want to install RE, then have the energy wasted!
- Energy science rule of thumb – focus 75% on EE, 25% on RE

What can other Ministries do?

- Keep good records before, during and after to show changes to decision makers
- Contact the Jordan Renewable Energy and Energy Efficiency Fund (JREEEF) for training and energy audits
- Be prepared for opportunities – have your data and plans ready
- Obtain support from senior managers and keep them informed
- Share your stories of success to help others learn





“Working together, we can achieve, and even surpass , the Prime Ministerial goal of reducing electricity consumption by 20% by 2020.”

H.E. Eng. Amani Al Azzam, Secretary General, Ministry of Energy and Mineral Resources

For more information about MOICT energy saving, contact Eng. Ahmad Jaber – Ahmad.Jaber@MOICT.GOV.JO

For full report of USAID ESCB Energy Saving Action Planning activities and audit summaries:

<https://jordankmportal.com/collections/energy-saving-action-planning>