



# Royal Scientific Society/National Energy Research Center - RSS/NERC- (Jordan)

Nidal Abdalla  
n.abdalla@nerc.gov.jo

# CASE STUDY 1

***TITLE: Making Sahab City Green***

***OBJECT: The Main objective is to enable Sahab Municipality in Jordan to be a pilot for the local sustainable development challenges related to energy.***

***Summary:***

- 1. Develop a local Energy Efficiency & Renewable Energy Plan for Sahab Municipality.***

# CASE STUDY 1

## *Summary:*

- 2. Promote and implement energy efficiency, energy savings & renewable energy measures at Sahab Municipality buildings and Introduce energy efficient technologies*
- 3. Build capacities of employees of Sahab Municipality in the field of sustainable energy & public awareness of the general public and relevant stakeholders.*

## CASE STUDY 1

*REASON WHY YOU CHOSE IT/ YOU CONSIDERED IT RELEVANT FOR THE PURPOSE OF ENEPLAN: This case study was chosen because it includes renewable energy and energy efficiency measures and presents a successful pilot project implemented to a municipal in Jordan.*

## CASE STUDY 2

### *TITLE:* **Energy conservation for central bank of Jordan**

- *OBJECT: The ultimate audit objective is to identify the potential of Energy and Water Saving Opportunities, Renewable Energy Utilization Potential, and the Major Maintenance & Design Features that will make the facility energy efficient and more comfortable.*

## CASE STUDY 2

- *Summary:*

1. *RSS have conducted a detailed investigation and analysis of the collected data and measurements for all CBJ buildings involved in this audit which are located in Amman, Irbid and Aqaba. The audit concluded that there is a significant potential in energy saving of 17.3% of the total energy consumption, with an estimated cost saving of 199,710 JOD/yr. The estimated payback period of all energy saving measures stated in this audit will around 4 years.*
2. *In the other hand, it was found that using solar energy will cover the electrical energy consumption by around 20% , 91% and 100% for Amman buildings, Irbid building and Aqaba building, respectively.*

## CASE STUDY 2

*REASON WHY YOU CHOSE IT/ YOU CONSIDERED IT  
RELEVANT FOR THE PURPOSE OF ENEPLAN*

*This case study was chosen because it includes renewable energy and energy efficiency measures and presents a successful pilot project implemented to buildings located in different climate conditions in Jordan.*

**Thank you**