Project Summary

Project Background
During the last years number of energy efficiency measures have been identified in West Bank & Gaza as best potential methods for energy and financial savings, further analysis is needed to include untapped measures. But it is still required to develop a full-fledged roadmap in the short, medium and long-term to prioritize policy interventions and projects according to cost-effectiveness criteria.

Project Objectives
This project aimed at improving the understanding of the Palestinian Energy and Natural Resources Authority (PENRA) on the Energy Efficiency (EE) potential in West Bank & Gaza. This activity provided an assessment and an action plan to develop energy efficiency projects in the region in the short, medium and long-term. The action plan incorporates a roadmap for the development of legal, regulatory, institutional and capacity-building initiatives to support this action plan.

Project Results
The scope of the EE Roadmap Technical Assistance included the followings:

1.) Review Palestinian Energy sector and EE market, including:
   • Electricity consumption characteristics across consumer classes and electricity demand growth scenarios and against this background quantitatively assess the current and forecast effectiveness of on-going EE projects in terms of cost savings to local government;
   • Key social barriers to adopting EE measures and propose incentives to potentially overcome barriers.

2.) Legal framework and key EE stakeholders; overview of existing energy legislation in West Bank and Gaza; and presentation of main key EE players.

3.) Roadmap and Action plan, including:
   • Propose an action plan with projects at short, medium and long-term to maximize EE at least cost;
   • Identify goals and/or indicators for each proposed measure in the action plan to track progress;
   • Define roles, responsibilities and coordination mechanisms for key EE stakeholders to ensure successful implementation of the action plan;
   • Identify barriers for higher adoption of EE measures;
   • Identify appropriate regulations, policies, technical capacity building (e.g. energy auditing capability for industry and buildings) and suitable financing to implement the action plan, and to sustain and scale-up energy efficiency measures in the mid to long term;
   • Conduct a survey to a representative sample of Palestinian population to improve the understanding of energy consumption behaviour.

Services Provided
• Inception Report in English language
• Draft Final report in English language
• Participation in the Stakeholder workshop in Ramallah

West Bank & Gaza
West Bank & Gaza – Energy Efficiency Action Plan

Client
The World Bank

Duration
07/2014 - 06/2015

Personnel
• 2 internat. STE (4 PM)
• 1 national STE (1 PM)