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JORDAN ENERGY SECTOR CAPACITY BUILDING ACTIVITY ANNUAL PERFORMANCE REPORT

ANNUAL REPORTING PERIOD
FROM OCTOBER 1– SEPTEMBER 30, 2014

October 30, 2014 (Submitted)

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JORDAN ENERGY SECTOR CAPACITY BUILDING ACTIVITY

CONTRACT NUMBER: AID-OAA-I-13-00018

TASK ORDER NUMBER: AID-278-TO-13-00003

DELOITTE CONSULTING LLP

USAID/JORDAN

ECONOMIC DEVELOPMENT AND ENERGY OFFICE

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OCTOBER 30, 2014 (SUBMITTED)

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TABLE OF ACRONYMS

Acronym	Term
AFD	Agence Française de Développement
AMEP	Activity Monitoring & Evaluation Plan
ASE	Alliance to Save Energy
CBJ	Central Bank of Jordan
CDCS	Country Development Cooperation Strategy
CEM	Certified Energy Manager
CFL	Compact Fluorescent
CWEEL	Council for Women in Energy and Environmental Leadership
DISCOS	Distribution Companies
DOS	Department of Statistics
DSM	Demand-side Management
EBRD	European Bank for Reconstruction and Development
EDCO	Electricity Distribution Company
EDE	Economic Development and Energy
EE	Energy Efficiency
EMRC	Energy and Minerals Regulatory Commission
ESCB	Energy Sector Capacity Building Activity
ESCO	Energy Service Company
ESP	Energy Service Provider
EU	European Union
FY	Fiscal Year
GAM	Greater Amman Municipality
GBB	Gershman Brickner & Bratton, inc.
GBC	Green Building Council
GCC	Global Climate Change
GoJ	Government of Jordan
IDECO	Irbid District Electricity Company LTD.
IFC	International Finance Corporation
IM	Incentive Mechanism
IPP	Independent Power Producer
JCEA	Jordan Coalition of Energy Associations

Acronym	Term
JEC	Jordan Energy Chapter
JEPCO	Jordan Electric Power Company
JESPA	Jordan Energy Service Providers Association
JICA	Japan International Cooperation Agency
JREEEF	Jordan Renewable Energy and Energy Efficiency Fund
JRF	Jordanian River Foundation
JSMO	Jordan Standards and Metrology Organization
KaMP	Knowledge Management Portal
KEC	Kingdom Electricity Company
KW	Kilowatt
KWh	Kilowatt hours
MEMR	Ministry of Energy and Mineral Resources
MEMR/EED	Ministry of Energy and Mineral Resources/Energy Efficiency Department
MESP	Monitoring & Evaluation Support Project
MEV	Measurement, Evaluation and Verification
MLIs	Multi-Lateral Institutions
MoE	Ministry of Environment
MoF	Ministry of Finance
MoPIC	Ministry of Planning and International Cooperation
MoPWH	Ministry of Public Works and Housing
M&V	Measurement and Verification
NARUC	National Association of Regulatory Utility Commissioners
NEEAP	National Energy Efficiency Action Plan
NEPCO	National Electricity Power Company
NGO	Non-Governmental Organization
NYPSC	New York Public Service Commission
PMP	Performance Monitoring Plan
RDF	Refuse-Derived Fuels
RE	Renewable Energy
RFB	Request For Bid
RFP	Request For Proposal
RFTOP	Request For Task Order Proposal
RSS	Royal Scientific Society

Acronym	Term
RT	Reform Timetable
SC	Steering Committee
STTA	Short-Term Technical Assistance
SWH	Solar Water Heater
TBD	To be determined
TTC	Technology Transitions Company
UJ	University of Jordan
UNEP	United Nations Environment Program
UNDP	United Nations Development Program
USAID	United States Agency for International Development
USTDA	United States Trade and Development Agency
VSD	Variable speed drive
WB	World Bank
WG	Working Group
WTE	Waste To Energy

EXECUTIVE SUMMARY

The Energy Sector Capacity Building Activity Task Order (Contract # AID-OAA-I-13-00018, Task Order # AID-278-TO-13-00003) was awarded to Deloitte Consulting LLP on July 24, 2013. USAID's Energy Sector Capacity Building Activity (ESCB) applies a broad, adaptable approach to meet the Jordanian energy sector's evolving needs.

ESCB achieved agreement from all stakeholders on a DSM Incentive Mechanism within the 9 month timeframe. The extensive consultative process that included the Ministry of Energy and Mineral Resources (MEMR), the Energy and Mineral Resources Commission (EMRC), the National Electric Power Company (NEPCO) and the 3 Jordanian distribution companies began in August 2013. The consultative process yielded DSM Recommendations that are acceptable to all the key electricity sector stakeholders. The DSM Steering Committee endorsed the DSM Recommendations in April 2014; ESCB received final approval of the DSM Recommendations by the EMRC Board of Commissioners in June. With government approval in hand, ESCB began mobilizing resources to assist the electric utilities in developing their DSM programs, and to assist MEMR and EMRC in considering them.

MEMR requested ESCB to take the lead to provide the technical assistance, advisory services, and capacity building required to make the Jordan Renewable Energy and Energy Efficiency Fund (JREEEF) operational. ESCB convened a donor coordination group, including the EU, AfD, and KfW, that is working to support JREEEF.

ESCB initiated a household electric load survey, the first of its kind in Jordan, that will be implemented in nearly 3,000 households. The household load survey is a vital early activity of Jordan's DSM efforts, as it will help electric utilities identify energy-saving opportunities in households.

The DSM Financial Model is a critical tool to analyze possible DSM programs; a beta version was delivered to distribution companies in March. Based on feedback and early use of the model, refinements were made and an improved version of the DSM financial analysis model was delivered to utilities, EMRC and MEMR.

ESCB initiated an impact assessment of solar water heater program implemented by the Jordan River Foundation and a solar PV program implemented by Mercy Corps. These are early efforts at building capacity to develop energy saving project measurement and verification systems that will be used in DSM programs.

During the first year, Action Plans were prepared which described capacity building needs in support of DSM – one for MEMR and EMRC, and one for the electric utilities. During the first year, ESCB provided technical assistance to 72 institutions; and provided capacity building/training to 265 persons (2,546 person hours) of which 35% were female.

ESCB is providing critical support to NEPCO in the development of the transmission and distribution grid code for integrating renewable energy. Technical assistance was provided to the Jordan Standards and Metrology Organization to develop specifications for testing equipment for a lighting testing laboratory.

Under Task 3, ESCB completed a survey of financial institutions that identifies opportunities, risks and market barriers to energy efficiency and renewable energy finance. An energy service company market assessment was completed, as well as a survey of selected existing companies in the market. ESCB consulted with companies and associations that are active in the energy market to assess the need for establishing a new association to serve their needs. Most

surveyed agreed that there are existing associations that address some needs; ESCB proposed a coalition of associations and helped to define the overall structure. Finally, staff under Task 3 conducted an assessment and preliminary design of an accreditation system for energy service providers.

In responding to emerging energy sector needs, ESCB received approval from USAID to implement two tasks: 1) install a 50 kWp solar PV system at the Ministry of Planning and International Cooperation and a 100 kWp solar PV system at Jordan Customs, and 2) assisting Greater Amman Municipality in developing an RFP for a results-oriented waste-to-energy project. The bidding documents were prepared for the two solar PV projects; 17 bids were received for each project; a bid evaluation committee was established; and technical and financial bid evaluations completed.

ESCB staff assessed gender gaps in the energy sector and developed a Gender Action/Inclusion Plan to guide ESCB's response and ensure gender integration and youth inclusion by task and activity. ESCB helped to establish the Council for Women in Energy and Environmental Leadership under the Jordan Energy Chapter and held two leadership events for women. ESCB staff designed a Mentorship Program for young women, the first of its kind in the energy sector.

To complement the approved Performance Monitoring Plan (PMP), the ESCB M&E team developed an M&E dashboard tool that is being used to track and monitor approved performance indicators. The dashboard was developed to transform the data into information and facilitate conversations on ESCB's impact to date through data visualization.

INTRODUCTION

The Energy Sector Capacity Building Activity Task Order (Contract # AID-OAA-I-13-00018, Task Order # AID-278-TO-13-00003) was awarded to Deloitte Consulting LLP on July 24, 2013. USAID's Energy Sector Capacity Building Activity (ESCB) applies a broad, adaptable approach to meet the Jordanian energy sector's evolving needs. In coordination with other relevant ongoing activities, ESCB works towards:

1. **Successful development and adoption of a utilities incentive mechanism to promote energy efficiency**, including a robust monitoring, evaluation, and validation system;
2. **Increased institutional capacity of the Jordanian energy sector partners** including the Ministry of Energy and Mineral Resources, Energy and Mineral Resources Commission, and electricity production, distribution, and transmission companies;
3. **Strengthened presence, capacity and regulation of energy service providers** through market research, business development services, accreditation, and the creation of an energy services association; and
4. **Flexible response mechanism for emergent energy sector needs** and opportunities on a demand-driven basis.

This Annual Report, a deliverable under the contract, summarizes the key activities and accomplishments of the first year of ESCB implementation. The Annual Report is divided into the four tasks corresponding to the Task Order scope of work and a section on donor coordination. We have also included sections on cross-cutting areas including gender and inclusion communications and outreach and performance monitoring.

TASK 1: DESIGN A UTILITIES INCENTIVE MECHANISM TO PROMOTE ENERGY EFFICIENCY

AT-A-GLANCE SUMMARY

Top Achievements by Quarter

Q1:

- Publicly launched the DSM incentive mechanism design process
- Established the Steering Committee, three Working Groups, and two task forces for design of the DSM mechanism
- Reform Timetable and Action Plan endorsed by the Steering Committee

Q2:

- DSM incentive mechanism recommendations agreed and submitted to the DSM Steering Committee for approval
- Completed planning and began implementation of a household load survey
- Conducted customer consultations on potential energy efficiency/DSM programs and prepared the customer consultation report
- Completed a beta version of the DSM financial analysis model and conducted initial training for electric utility DSM planners

Q3:

- DSM Recommendations endorsed by the DSM Steering Committee
- DSM Recommendations formally approved by the EMRC Board of Commissioners
- Completed household load survey for EDCO
- Delivered an improved version of the DSM financial analysis model to utilities, EMRC, and MEMR

Q4:

- Continued implementation of JEPCO household load survey (80% complete)
- Initiated impact assessment of solar water heater program implemented by JRF and solar PV program implemented by Mercy Corps
- Developed NEPCO financial model

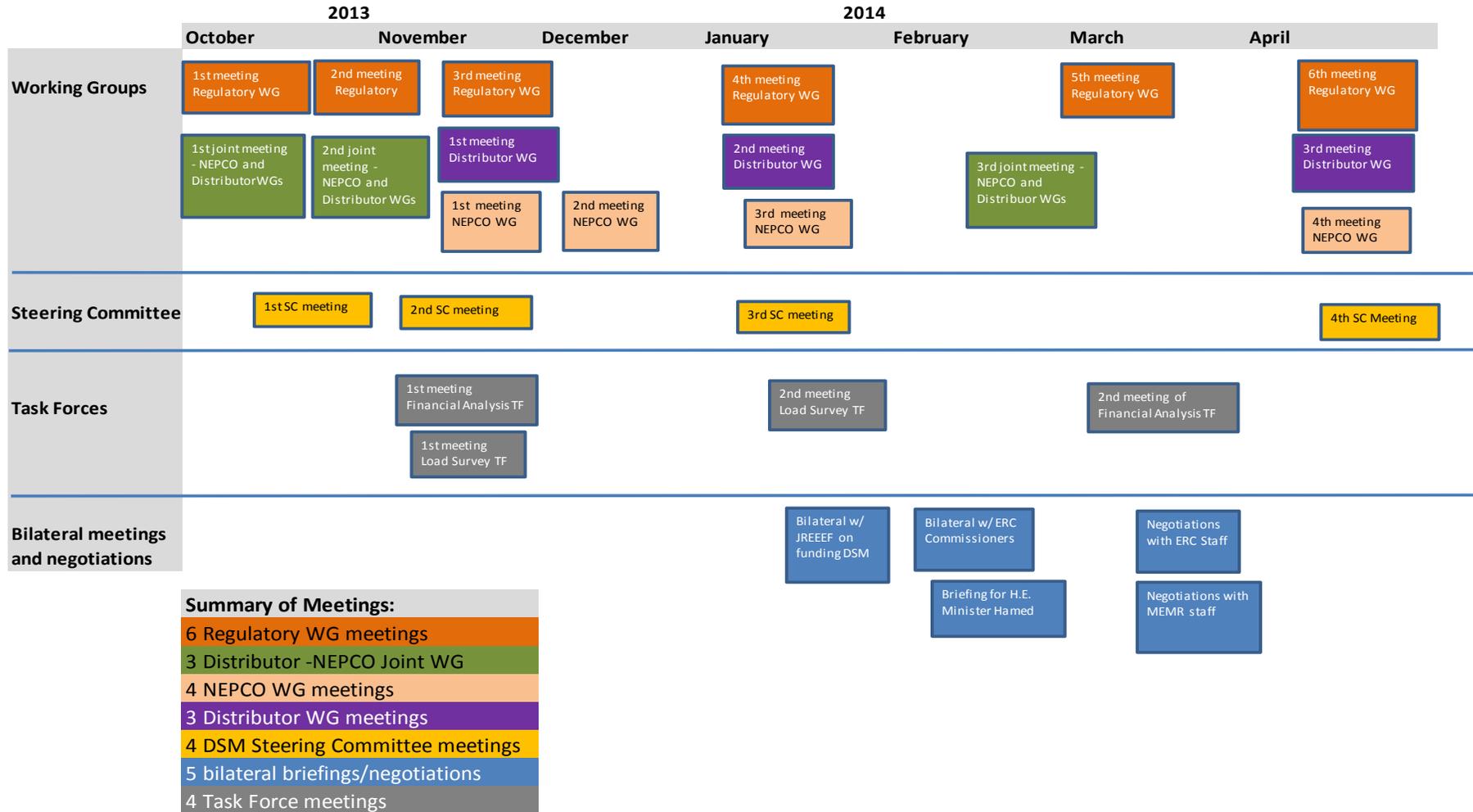
Key Accomplishments

DSM Incentive Mechanism

During the first year of ESCB implementation, the design of an incentive mechanism for Jordan was the highest priority task. ESCB designed a consultative process to bring all of the stakeholders into the design process, including the Ministry, the regulatory agency (EMRC), the transmission company (NEPCO) and the three distribution companies (EDCO, IDECO and JEPCO). A Steering Committee and Working Groups were established to provide key inputs to the design process and to build confidence in the final design. While this structure was time-

consuming, it led to an incentive mechanism design that all parties could support. Figure 1 below shows the timeline that led to the incentive mechanism approval.

Figure 1. DSM Recommendations Consultative Process



Steering Committee and Working Groups

ESCB began by supporting the formation of the DSM Steering Committee and three Working Groups: Regulatory, NEPCO, and Distributor. The design process for the DSM incentive mechanism was launched in early October 2013 in a stakeholder workshop that included representatives from NEPCO, EMRC and each of the distribution companies. The workshop included presentation of examples of DSM programs from the US and other countries; description of the process that would be launched to design DSM programs; discussion of the importance of financial analysis of the DSM program options; and a discussion of stakeholder issues and concerns. ESCB also submitted a DSM Incentive Mechanism Year 1 Action Plan.

At the first Steering Committee meeting held on October 23, 2013, the ESCB team proposed a structure and design process to reach an agreement on the incentive mechanism. The ESCB team presented the roles and responsibilities of the Steering Committee, working groups, and task forces. Finally, the ESCB recommended that EMRC, NEPCO, and the three distribution utilities assign qualified and dedicated employees as members of the WGs, emphasizing the need for a strong champion. A second Steering Committee resulted in agreement on 1) the Framework for developing the DSM Mechanism; and 2) the DSM Incentive Mechanism Action Plan.

At the third meeting on Jan. 13, 2014, ESCB presented the proposed DSM Incentive Mechanism, introduced the rationale for DSM and described how all the stakeholders were involved in developing the recommendations. The ESCB team also presented examples of DSM programs, including their benefits in terms of subsidy reductions and participant bill savings. At that meeting, ***the Steering Committee agreed to endorse the recommendations of the DSM mechanism, contingent upon their approval by the EMRC Board.*** ESCB agreed to present the DSM Recommendations to the EMRC Board and to follow-up on the details of funding recommendations with MEMR/JREEEF.

Regulatory Framework

Legal, regulatory and technical consultants conducted an analysis of the legal and regulatory issues raised by the proposed DSM Mechanism and developed a workable framework for the regulation of the DSM incentive mechanism. This framework will provide a foundation for the development of all legal and regulatory instruments required to implement the DSM incentive mechanism.

Approval of DSM Recommendations

ESCB held a series of key stakeholder meetings to garner support for recommended framework for electric utility-driven DSM in Jordan (see Box 1). These meetings culminated in the approval of the DSM Recommendations by the Steering Committee and EMRC Board of Commissioners.

Box 1. The DSM Recommendations

- **DSM should be used to reduce subsidized electricity consumption**
- **JREEEF should provide initial funding of DSM activities**
- **MEMR and EMRC should jointly develop processes for considering DSM activities proposed by electric utilities**
- **Electricity distributors, NEPCO, and the EMRC should establish DSM units, which will plan, implement, monitor and evaluate DSM projects**
Distributors should be eligible for a performance incentive if they meet DSM delivery targets set by MEMR and the EMRC
- **After 2017, the recovery of DSM costs through tariffs should be considered**

Funding for the Incentive Mechanism

A key unresolved issue was to identify a funding source for the early years of a DSM effort, as the retail tariff freeze precludes recovering DSM costs from tariffs. The ESCB team presented several options to the Steering Committee for consideration, including using funds in the Jordan Renewable Energy and Energy Efficiency Fund (JREEEF), funds from the rural files account, mobilize additional donor funding, and commercial financing.

At the Steering Committee's suggestion, ESCB quickly focused on JREEEF as the most viable short-term alternative. JREEEF was established to fund renewable energy projects and projects that rationalize energy consumption. Funding from JREEEF or other sources for DSM projects is justified because it will deliver multiple benefits - reduced subsidy flows, lower financial losses for NEPCO, and lower electricity bills for DSM participants. Because the early DSM efforts will focus on highly subsidized low-consumption customers, the biggest beneficiary will be NEPCO and the Government of Jordan. However, NEPCO is not in a position to support DSM until after 2017, when their financial recovery program is complete.

Final Approval of the Incentive Mechanism

At H.E. Minister Hamed's suggestion, Working Group meetings were convened in April to bring any last-minute ideas to the attention of the Steering Committee. NEPCO, Distributor, and Regulatory Working Groups held on April 13, 14, and 16 yielded several important refinements of the DSM Recommendations, including:

- The size of the DSM unit to be established within each electric utility was specified, and it was agreed that the additional Operating Expenses (OpEx) required should be recovered by adjusting the bulk supply tariff of each Distributor.
- The cost of the performance incentive should also be considered as additional DSM-related OpEx and should be recovered by adjusting the bulk supply tariff of each Distributor

ESCB achieved agreement from all stakeholders on a DSM Incentive Mechanism within the 9 month timeframe established in the contract. The extensive consultative process that began last year reached its conclusion in April, producing DSM Recommendations acceptable to all the key electricity sector stakeholders. On April 28, the DSM Steering Committee endorsed the DSM Recommendations. On June 12, ESCB received final approval of the DSM Recommendations by the EMRC Board of Commissioners. With government approval in hand, ESCB began mobilizing resources to assist the electric utilities in developing their DSM ideas, and to assist MEMR and EMRC in considering these ideas.

DSM Letter of Instruction

In early June, ESCB's international regulatory consultant, Alice Miller, worked closely with local power sector and regulatory consultants to develop a draft DSM Letter of Instruction for consideration by EMRC. The Letter of Instruction includes annexes instructing distributors on how to submit their DSM proposals and an annex for regulatory staff providing guidance on how to evaluate DSM proposals. ESCB provided this package to Commissioner Wejdan on June 30th, and since then, ESCB staff have been working with the EMRC to issue the Letter of Instruction to the distributors. As of the end of September, the LOI had not yet been sent in final form to the distributors.

DSM Financial Analysis Model

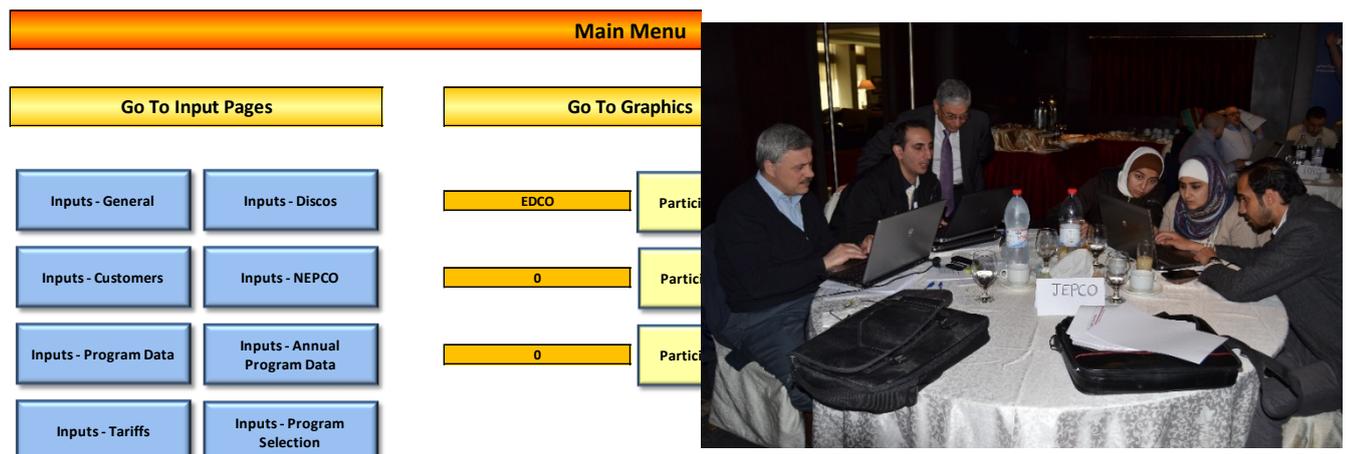
The DSM financial model is a critical deliverable in the first year, in order to evaluate and analyze various DSM options. ESCB delivered a beta version of the DSM Financial Model to distribution companies in March 2014. Based on feedback and early use of the model, numerous refinements were identified. These modifications were part of an improved version of the DSM financial analysis model that was delivered to utilities, EMRC and MEMR. The improvements included:

- More user-friendly interface, touch and feel
- Capacity to analyze up to 25 DSM measures
- Ability to construct and test DSM portfolios consisting of multiple DSM measures targeted to multiple customer segments
- Better allocation of variable and fixed costs
- Better ability for generating graphics

ESCB consultants provided training to the distribution companies, NEPCO, MEMR and EMRC on the use of the financial model. The distribution companies are using the model to design their DSM programs. A program design session was held in September 2014 by Bill Miller to identify promising DSM programs and to select one for each distribution utility to develop a mock proposal.

Financial Module training DSM

Figure 2. User Interface for Financial Model



Technical Assistance to NEPCO

At the second NEPCO WG meeting in November 2013, NEPCO's needs for capacity building and technical assistance were discussed. Based on the needs identified, NEPCO requested that ESCB provide the following technical assistance.

Technical Assistance Need	Technical Assistance Delivered by ESCB
<p>Integrating demand-side programs into power sector planning. How to refine forecasting and power sector planning to integrate DSM and renewable energy into future power requirements.</p>	<p>ESCB mobilized Sasan Salem from in December 2013 to initiate the IRP process. He also worked with the NEPCO National Control Center to solicit data and identify NEPCO resources in planning and other functions. He conducted meetings with EMRC to understand the procedures adopted by the EMRC in calculating tariffs and conducting forecasts.</p>
<p>Developing a new chapter in the Transmission Grid Code to address solar PV. Articles already exist in the Code on wind energy, but they do not address planning and operational aspects of integrating variable renewable energy sources.</p>	<p>ESCB mobilized an expert in renewable energy grid integration to work with NEPCO on these issues, and to support development and improvement of the transmission code chapters covering renewable energy. As of the end of September, a draft grid code had been sent to NEPCO, distributors and EMRC. An extensive consultation process is being set up to review the code with stakeholders in mid-October.</p>
<p>Review and revision of NEPCO's tariffs to reflect the seasonal differences in peak demand hours, and to increase the price signal to encourage direct serve customers to shift load away from peak hours or pay more for their peak demand.</p>	<p>ESCB developed the terms for a cost-of-service study that would establish a cost duration curve for NEPCO. USAID agreed to identify and mobilize a consultant to undertake a cost-of-service study followed by a review of the current tariff structure with the intention of making improvements encouraging peak demand reduction. This activity will be conducted in Year 2.</p>

Measurement and Verification Pilots

ESCB is cooperating with the Jordan River Foundation (JRF) and Mercy Corps, two NGOs implementing household energy-saving projects. Through this cooperation, ESCB will take advantage of existing projects to develop an early measurement and verification capability within the distribution companies, MEMR and others. ESCB and JRF are working together to plan and implement a solar water heater measurement and verification (M&V) system to assess the impact of the solar water heater program.

A second M&V pilot is under discussion with Mercy Corps for assessing the impacts of their solar PV program. Mercy Corps has installed identical rooftop PV systems on 85 households around Jordan. While discussions were initiated in Year 1, the bulk of this activity will be conducted in Year 2.

Jordan Household Electric Load Survey (JELS)

In June, ESCB mobilized staff and local consultants to initiate a household electric load survey, the first of its kind in Jordan. The household load survey is a vital early activity of Jordan's DSM efforts, as it will help electric utilities identify energy-saving opportunities in households. The results of the survey will be used for designing DSM programs. Little information is available about the types and ages of energy-consuming equipment that is in use in households in Jordan.

Further, the load survey is being conducted in a statistically valid manner, taking samples from all customer classes in all three distribution company territories.

The consultants developed a load survey plan, designed the questionnaire, trained the surveyors, and started conducting household load surveys for EDCO and JEPCO. Each survey team is comprised of one surveyor (female) that is contracted by ESCB, and a second surveyor provided by the distribution company. Based on the data that was coming out of the load survey for EDCO, IDECO also requested that ESCB implement the household load survey in its service territory as well. In addition to supporting DSM program design, the experience conducting the household load survey will help build the capacity in the distribution companies needed to implement DSM programs.

ESCB Staff and Local Consultants Collecting Load Surveys



TASK 2: BUILD CAPACITY OF THE ENERGY SECTOR

AT-A-GLANCE SUMMARY

Top Achievements by Quarter

Q1:

- EMRC institutional assessment drafted (Phase 1)
- MEMR institutional assessment drafted (Phase 1)
- Short-term DSM training plan developed

Q2:

- Preparation of Action Plans for EMRC/MEMR and the electric utilities
- Delivery of training on DSM planning, financial modeling,
- Mobilization of a Renewable Power Integration Expert to provide technical assistance on preparing grid codes for NEPCO and EMRC
- Provision of technical assistance to JSMO for development of lighting laboratory testing equipment

Q3:

- Completed the DSM Capacity Building Action Plan for Electric Utilities
- Technical assistance on renewable power integration provided to NEPCO, MEMR, EMRC, and the Distributors
- Developed technical assistance scope for MEMR's Energy Saving Action Planning

Q4:

- Issuance of the draft renewable energy grid code to stakeholders for comment
- Mobilized consultant for technical assistance to MEMR on energy saving action plans

Key Accomplishments

Task 2 incorporates a broad range of activities related to capacity building and technical assistance for all of Jordan's energy sector entities. The overall objective of Task 2 is to build the capacity of electric utilities, MEMR and EMRC to plan and implement energy saving and renewable energy programs. During the first year, two Action Plans were prepared which described capacity building needs in support of DSM – one for MEMR and ERC (now EMRC), and one for the electric utilities. Most of the capacity-building that is identified in these plans was deferred until Year 2, pending agreement on the DSM incentive mechanism.

An important feature of Task 2 is the flexibility to provide technical assistance and capacity building on demand and in response to specific needs. The "Task 2 plug" figure (see Sub-task 2.9) allows flexibility to address technical assistance and capacity building needs as they emerge. In Year 1, support under the plug figure included the renewable power integration activity

undertaken by Hala Ballouz for NEPCO and the technical assistance provided to JSMO to develop specifications for a lighting testing lab.

Capacity Building Action Plan

In November 2013, ESCB fielded a short-term consultant, Ms. Suzanne Hinsz, to initiate the Capacity Building Action Plan using Deloitte's CYPRESS methodology. Ms. Hinsz with the local consultant team developed an interview protocol and briefed the ESCB staff on the CYPRESS approach. The capacity building team held consultations with technical staff from the EMRC regarding their technical, non-technical, and organizational capacity building needs. Consultations and interviews were also held in the four departments from MEMR whose work impacts the provision of a DSM program, namely the Energy Efficiency (EE) Department, the Renewable Energy (RE) Department, the Electricity Department, and JREEEF. After presenting the findings of these consultations and interviews to USAID, ESCB conducted additional interviews with MEMR in December 2013. These findings were incorporated into the Capacity Building Action Plan that was finalized in January 2014.

Capacity building in support of the DSM Recommendations

A key focus of Task 2 continues to be building the capacity of all electricity sector entities to plan and implement DSM programs. During Q3, the results of Mike Weedall's extensive mission were collated, modified, reviewed by USAID, and the final version sent to the electric utilities on May 25th. This Action Plan forms the basis for multiple scopes of work for DSM Planners, Evaluators, and other specialists. DSM capacity building for the distribution companies will be organized around five basic elements:

- DSM planning
- DSM program implementation strategies
- DSM staffing and organizational development
- DSM monitoring, evaluation & reporting
- Assembling a DSM knowledge bank

Capacity building in the area of DSM program planning was initiated in August 2014. ESCB consultant, Bill Miller, spent several days with each distribution company to develop a preliminary design for a DSM program.

Capacity building in support of MEMR and EMRC

In May, the ESCB team held several meetings with MEMR EED staff to identify specific areas of technical assistance that the team could provide. Two scopes were prepared:

- Energy Efficiency Communications and Outreach Strategy Development
- Energy Efficiency Action Planning and Implementation for Government Agencies



Utility Capacity Building Training

The Mission was not supportive of conducting the first scope, and so it was not presented to MEMR in Year 1, but it is included in the approved work plan for Year 2. The Mission was supportive of the second scope, and ESCB presented it to MEMR EED for their review and approval in June. ESCB has engaged a consultant to work with MEMR on the Energy Saving

Action Plans beginning in early October. USAID also agreed to send MEMR staff to the Certified Energy Managers training program. Two MEMR engineers participated in the training and will take the CEM exam.

Technical Assistance to Operationalize JREEEF

The Renewable Energy and Energy Efficiency Law of 2012 established the Jordan Renewable Energy and Energy Efficiency Fund (JREEEF) within MEMR. Although in existence for two years, JREEEF has not yet become operational, not least because MEMR has encountered difficulties in finding a qualified Director. The by-laws and regulations necessary to implement JREEEF have not yet been completely developed and approved. Although an initial funding of 10 million JD funding is in place, JREEEF has only disbursed once, on an extraordinary basis. Making JREEEF operational is a priority for MEMR, for renewable energy and energy efficiency project developers, and for donors including the EU, AfD, and USAID.

MEMR requested ESCB to provide the technical assistance, advisory services, and capacity building required to make JREEEF an operational entity. ESCB developed a detailed scope of work to provide technical assistance, and coordinated with other donors (EU, AfD, KfW) working to support JREEEF. Specific tasks will include 1) Support the JREEEF Management Committee and Director to establish the basic framework for JREEEF operations; 2) Provide advisory services for the operation of the Fund; and 3) Provide technical, financial, and managerial capacity building for the JREEEF Director, the JREEEF Staff and, as requested, others in the public and private sector. ESCB identified a highly-qualified international consultant to provide the required technical assistance beginning in October 2014.

Technical Assistance to JSMO

JSMO requested ESCB to conduct an assessment for JSMO on establishing a lighting testing lab facility, focusing specifically on the lab's specifications and tendering process, accreditation process, infrastructure, location, equipment needed to operate the lab, and capacity building required.

Mr. William Noel, a Deloitte energy expert, carried out intensive meetings and discussions with relevant stakeholders, especially with JSMO staff and leadership, and developed a set of specifications for testing lab equipment. As a result of these discussions, Mr. Noel made the following recommendations in his trip report:

- JSMO should develop a market surveillance strategy and determine the role of the lab in fulfilling it
- To guarantee the suitability of the specifications prepared, industry comments should be solicited before issuing the tender to establish the lab
- JSMO testing staff should be trained to use the lab's equipment properly; this capacity building could take place either within or outside of Jordan
- Specific suggestions to improve equipment specifications

Renewable Power Integration Technical Assistance

During the first quarter of 2014, NEPCO and EMRC requested technical assistance to add new chapters addressing renewable power generation to the two technical codes that govern electricity networks in Jordan – the Transmission Grid Code and the Distribution Code. ESCB mobilized a well-known U.S. power engineering consultant, Ms. Hala Ballouz, who has extensive knowledge in the integration of renewable power projects in the U.S.

Ms. Ballouz's first mission was dedicated to fact-finding, including identification of technical assistance and capacity building to support renewable power grid integration. She met all parties involved in renewable power: MEMR, EMRC, NEPCO, selected donors, RE Developers, and the DISCOs. She identified multiple technical assistance and capacity building needs across all of the

entities concerned with renewable power grid integration. These needs are documented in her trip report and renewable power integration appraisal, which was circulated to all of the counterparts except project developers and donors.

As of the end of September, the transmission and distribution systems grid codes were drafted and sent out to NEPCO, DISCOS and EMRC for their review and comment. Ms. Ballouz will conduct a mission in mid-October to solicit feedback from stakeholders prior to issuing the final code. Ms. Ballouz is expecting to complete the grid code by mid-November 2014.

TASK 3: DEVELOP A SUSTAINABLE ENERGY SERVICE PROVIDERS INDUSTRY

AT-A-GLANCE SUMMARY

Top Achievements

- Completed financial survey of opportunities, risks and market barriers to RE/EE finance
- Completed ESP market background surveys (ESP and market assessment)
- Identified association coalition members and overall structure
- Conducted assessment and preliminary design of accreditation system

Key Accomplishments

The activities in Year 1 focused on diagnosing the energy services market and understanding the various constraints preventing ESP market growth. To that end, the ESP diagnostic assessment, market perceptions analysis and the access to finance reports were completed during the first year. An analysis of the options for establishing an ESP Association was also completed.

Two major findings from the diagnostic phase have influenced the direction of activities under Task 3. The first finding, that there are few ESCOs operating in Jordan, resulted in expanding the ESCO definition to include Energy Service Providers (ESPs). This more inclusive definition expands the pool of target companies for ESCB activities to around fifty companies as opposed to the ESCO pool of ten. Second, the study on potential ESCO associations identified considerable apprehension in the private sector towards creating a new association when there are successful associations already working within the energy sector. ESCB concluded from these findings that there is no need to create a new association in the sector. Instead, ESCB effort is focused on creating a dynamic coalition of existing associations whose mandate revolves around energy-related issues of interest to its members.

ESCO/ESP market research

Due to the lack of comprehensive, reliable market data on the status of the energy services market, ESCB carried out three major research efforts to develop a better understanding of the companies or organizations working in the sector: 1) ESCO Survey; 2) ESCO Market Assessment; and 3) Energy Efficiency/Renewable Energy Financial Survey.

The effort started with a survey of the energy services industry in December 2013 whose aim was to quantify the ESCOs working in the sector in terms of the following main areas:

1. Principal activities of ESCOs
2. Types of energy efficiency projects implemented at ESCOs
3. Types of contracts used and preferred by ESCOs
4. Sources of financing
5. End-use market potential in Jordan
6. Barriers to energy efficiency commercialization in Jordan
7. Training needs
8. ESCO accreditation and association

The purpose of this survey was to identify specific areas in the energy services market where ESCB can design interventions that will assist the market to develop and grow. The information collected from this survey set the baseline for which future activities including research, training and technical assistance were developed.

In January 2014, further work began to explore the potential for an ESCO association and its relevant structure. An independent ESCO association was suggested to be the best option to address the market needs as evidenced by the feedback received on the potential host associations. During this effort, it became apparent that the number of ESCOs operating in Jordan is under twenty, of which a smaller number is active – not a large enough membership base to support a dedicated association. The search was expanded to include Energy Service Providers (ESPs) which includes equipment or technology suppliers, engineering consultants and auditing companies, with the potential to include 3rd party businesses such as banks or insurers.



ESCO Meeting

In February 2014, ESCB began exploring the market potential for EE and RE across multiple sectors. A large component of the effort revolved around the perceptions of sector respondents on what issues constitute the biggest share of their electricity consumption. As a survey of perceptions, the effort was less focused on identifying actual cost

effective interventions for each sector but more so

with identifying what respondents believe to be the relevant cost effective interventions. Some of the technologies that are undervalued by respondents such as solar water heating are more valuable and cost effective than perceived. What the effort highlights clearly is the entry point for ESPs to enter into discussions with the sectors represented.

The importance of access to financing was stressed to ESCB by ESPs and other market players as one of the most significant barriers facing the market. In many cases, ESP investors are forced to provide personal collaterals to banks to obtain the loan. The more successful ESPs hit a bottleneck where their unwillingness or inability to provide additional collateral hampered their ability to expand the business. By July 2014, an assessment of financial institutions was completed which highlighted the main opportunities and threats to growing the market. Whereas banks understand RE and are willing to loan based on these projects, they are more reluctant to work on EE project since it is a more difficult concept to quantify and the physical assets are difficult to collect in case of default. The risk profile associated with EE is the reason banks request collateral reaching up to 110% of the loan value.

Future efforts from ESCB will be directed towards convincing banks to finance projects based on potential revenue streams not solely on the credit worthiness of the client. One opportunity for ESPs which they are not capitalizing on as they should is the presence of a green loan facility from the Central Bank of Jordan (CBJ) which in effect reduces the interest of a standard loan by 2% leading to loans that are priced at approximately 6%. This facility is provided through commercial banks and any loan must still comply with that bank's procedures. This

forms an added incentive for ESCB to work on developing the capacity of banks to technically evaluate EE and RE projects either internally or through a 3rd party to facilitate market growth.

ESP Association Coalition Building

In March, ESCB planned and executed a one-day workshop to investigate strengthening the ESCO and broader Energy Service Provider (ESP) industry in Jordan. The basis for this workshop was a survey of ESP businesses and an initial assessment completed in December 2013 in which the scope of the industry and their business needs were investigated. This workshop was designed to take the survey outcomes and further define what ESPs need to grow their businesses and market sector, and prioritize them. The workshop was also designed to explore interest in organizing ESPs around these functions and to investigate how this organizing might take place within the context of the several existing energy-related associations.

One hundred fifty-two companies and related stakeholder organizations were invited; 62 attended, of which 37 were ESPs. There were presentations to lay out the background, including a report on the interim ESP assessment results, followed by smaller breakout groups for facilitated discussion around key questions. Participants then reported the results of these facilitated discussion to the larger group.

Workshop participants further defined the key functional needs of their businesses resulting from the Interim Assessment, and then voted on the importance of these key functions. The following prioritization for an association resulted:



Young Female Speaker at Business Networking

1. Advocacy of industry needs before government bodies
2. Accreditation of ESPs to improve quality control of industry-provided services
3. Developing market awareness and outreach, including
 - a. Education of customers
 - b. Public awareness and outreach
 - c. Market development
4. Training of employees and building capacity of the businesses
5. Financial facilitation to help companies attract capital and overcome barriers
6. Developing a standard contract framework to build consumer confidence in the industry and the company
7. Networking among ESPs for sharing of knowledge, best practices and new technology

The results suggest that putting efforts and resources behind the formation of a new association is not warranted. The earlier Interim Assessment suggested that this route would likely be more costly and take more time to organize and achieve the desired energy and business results. Workshop attendees gave indications that the relatively small Jordan market might not warrant one more association in the energy sector.

ESCB concluded that it would be appropriate to explore the possibility of developing a coalition of associations to address each of the functions. However, ESP leaders needed to be consulted to ensure that this approach meets their needs. ESPs were asked by the ESP leaders to share the proposed approach with them for feedback. The ESPs endorsed the proposed approach and welcomed the idea.

As a result, the ESCB supported the creation of a coalition of energy related associations in order to help create a “Jordan energy future that uses energy more efficiently and expands use of renewable energy, resulting in reduced energy imports”. The mission behind creating such a coalition is “to coordinate its member associations’ role in promoting market development for its members and enhancing credibility of its members among consumers and other market players. The Jordan Coalition of Energy Associations (JCEA) is expected to have a unified voice in front of government and other key players in the energy field to encourage favorable policies and regulations.”

Membership of the coalition is open to any business association in Jordan that includes companies selling products or services to reduce energy use through energy efficiency or renewable energy, and/or provide business services to the ESP industry. It could also include associations that directly support the presence of such companies.

ESCB is providing assistance to all associations that are part of the coalition through a transparent and open process within which both associations and ESPs benefit. A form listing all forms of assistance was developed and submitted to all coalition members. The Jordan GBC, REES and EDAMA have requested help to develop their capacity to better serve their members.

ESP Accreditation

Based on the feedback from the preliminary research, ESCB began supporting development of the accreditation mechanism. Very early on, it became evident that the coalition is the best entity to host the accreditation system. This is partly because the associations already share many goals such as training, advocacy and others. A coalition focusing on these goals will at best be a loose coalition because there is no unique function compelling the associations to work together. The accreditation system evolved into this unique function but there were some details needing to be explored before suggestions could be made.

In June 2014, NAESCO presented their concept of the accreditation system including their own and other successful international examples to a select group of ESPs for consultation. The main outcome of the presentation was an agreement by participants that an accreditation scheme will increase the market potential for ESPs. The general consensus is that while the accreditation system may start out as simple, it should evolve into a more comprehensive system as the ESP industry develops in Jordan.

One of the main obstacles is handling the ownership of the accreditation system’s intellectual property. This is heavily dependent on the legal structure which the coalition decides to adopt between establishing a joint venture, a non-profit company or a for profit company. In the latter two cases this is not an issue but if a joint venture is chosen then additional legal work is required for the governing contract of the joint venture.

By August 2014, it was established and implicitly approved by the coalition that they will host the accreditation system and work began to integrate both the accreditation and coalition creation efforts. NAESCO presented a more detailed approach to the coalition on the makeup of the accreditation’s executive board in addition to the technical committee which will be evaluating applications. Work then began to adapt the NAESCO model into a workable Jordanian solution bearing in mind some key differences. One of the primary conditions of accreditation is to have unbiased members with no vested interest in the industry. This is easier in the USA due to market size and the range of experiences available for NAESCO to draw upon from the private sector. In Jordan, those who know the industry well, be they lawyers, financiers, engineers or otherwise, do have conflicting interests as the market size is small and it is difficult to draw upon 3rd party experience. Another issue is that even among the more qualified Jordanian ESPs, there are none capable of obtaining the NAESCO accreditation therefore the system will have to be developed in a way which encourages ESPs to build on their capacity to become accredited.

TASK 4: RESPOND TO ENERGY SECTOR OPPORTUNITIES

AT-A-GLANCE SUMMARY

Top Achievements

- Developed specifications and bid documents for solar PV projects at Jordan Customs and MOPIC
- Conducting bidding and selected contractors for solar PV
- Selected technical assistance company for waste-to-energy consultancy for GAM

Task 4 targets opportunities in the energy sector, such as small-scale renewable energy generation in public buildings, minor enhancements in the electricity transmission system, feasibility and identification studies, designs, tendering support, oversight services for small-scale electricity generation, economic studies and other technical studies as needed. During the reporting period, ESCB began supporting two requests from energy sector stakeholders.

The Government of Jordan (GOJ) is undertaking to promote the installation of renewable electricity generation at all government agencies. To assist with this endeavor, USAID is facilitating the procurement and installation of solar photovoltaic (PV) arrays at two buildings of the GOJ:

- Jordan Customs
- Ministry of Planning and International Cooperation (MOPIC)

The vision for the project is for a grid-connected PV installation capable of providing some or all of the building electrical loads throughout the year.

The second request was from the Greater Amman Municipality (GAM) to support the development of an RFP for a waste-to-energy tender.

Key Accomplishments

Solar PV Installations

In late February 2014, USAID approved ESCB support under Task 4 to install solar PV at MOPIC and the Jordan Customs building. Under this task, ESCB will support technical specifications, designing the systems, tendering, evaluating tenders, recommending the winning tender(s), overseeing installations, commissioning and accepting the installed work, and documenting procedures.

ESCB performed visual site inspections and met with representatives of Jordan Customs and MOPIC to review the projects. The team also completed the environmental monitoring and mitigation plan; reviewed the electric consumption history for Jordan Customs and MOPIC; and independently assessed the solar irradiation, optimal panel tilt, and other site characteristics based on geospatial positioning satellite (GPS) information. Additionally, ESCB consolidated industry standards and guidelines for solar PV installation leading practices.

The team developed a draft technical specification and tendering process for the proposed installations and released an RFP for solar PV installations at each site. ESCB then conducted a market assessment for PV installation companies in Jordan to know which companies have sufficient previous experience to undertake these projects. The market assessment reached

over 60 companies by phone, and concluded that 15 companies had a track record of at least three successfully-completed grid-connected solar PV projects of size 50 kWp or greater.

With USAID approval of the RFP on June 17, 2014, ESCB published an advertisement in two local newspapers the following week. The team received a total of 52 requests for the RFP. Of this pool, 18 companies attended the site visits conducted on July 23, 2014. ESCB received questions from bidders and compiled a Q&A document, which was sent to all 52 companies on August 6, 2014.



Seventeen companies responded to the request for proposals to design, install, and maintain grid-connected solar PV projects at Jordan Customs & MOPIC. ESCB's evaluation committee conducted the technical and financial evaluation for 34 bids (17 bids for MOPIC and 17 for JC), over a period of 2 weeks. All proposals were first evaluated for technical responsiveness. Four companies were deemed to pass the technical evaluation, and were evaluated for cost. Based on its technical and cost evaluations, the evaluation committee recommended that ETA-Max to be selected as the winning bidder for Jordan Customs and KAWAR Energy be selected for MOPIC.

On September 28, 2014 ESCB announced the winning bidders, and on September 30, ESCB held preliminary preparation meetings with ETA-Max & KAWAR Energy to finalize submitted designs, work plan, and final price negotiations. Both MOPIC and JC are in the process of issuing their authorization letter for their subcontractors, in order to start the application process at JEPSCO for grid impact study and connecting the system to the grid.

While ESCB received approval from USAID for the installation of solar PV at MOPIC and the Jordan Customs building at a cost of \$380,722.95, the team managed to subcontract these projects to the best Jordanian companies in the field for a total amount of \$230,439, saving a total of \$150,283, or 39%.

Waste-to-Energy Technical Assistance

In mid-May, ESCB received a request from MEMR/EED to support MEMR and Greater Amman Municipality (GAM) in developing tendering documents for a possible waste-to-energy/resource recovery facility for Amman. The tendering documents would reflect submissions made to GAM in response to a July 2013 Request for Expressions of Interest issued by MEMR. The submissions suggested there are a variety of potential technologies for refuse-derived fuels (RDF) and waste-to-energy (WTE) that might meet GAM's needs. GAM would like to take a "results-oriented" approach to the tender, with GAM specifying the tender evaluation criteria across several parameters: (i) net cost to GAM (GAM share of revenues from feed-in tariffs less any tipping charges or gate fees); (ii) overall reduction in solid waste volume; and (iii) environmental impacts.

Following approval from USAID, ESCB initiated a search for a consultant or consultancy firm with expertise in waste-to-energy and results-oriented tendering. ESCB held two meetings with GAM and MEMR (May 18th and June 3rd) to learn more about GAM's needs, and based on these meetings prepared and circulated a scope of work for review by MEMR, GAM and USAID. The consultant would produce draft tendering documents within three months of contract award.

ESCB issued a Request for Bid (RFB) to four consultancy firms and selected Gershman, Brickner & Bratton, Inc. (GBB) to complete this task. Background documents were gathered and provided to GBB in order to prepare for the first consultancy mission in mid-October.

DONOR COORDINATION

ESCB is firmly committed to donor coordination to reduce the burden on stakeholders and to avoid duplication in technical assistance provided. ESCB conducted donor coordination in a variety of specific task areas. The most important ones are included here.

- Presented ESCB at an energy sector donor coordination meeting organized by USAID on January 29, 2014
- ESCB organized an ad hoc donor coordination group around providing technical support and advisory services to JREEEF. The first meeting was held in June to discuss the scope for technical assistance and the draft by-law for JREEEF. MEMR is holding regular coordination meetings with ESCB as the secretariat.
- Renewable energy integration is a critical issue for many of the energy stakeholders with several donors supporting renewable energy. ESCB initiated an informal coordination with the EU, which has a NEPCO twinning project. The first meeting was held in mid-October. A more formal coordination meeting on the topic will be held in October to brief donors on the RE grid code development.
- ESCB coordinated with AfD and EBRD on analyzing the potential for solar water heaters for households by providing feedback to their joint study. We are continuing to work with these donors on solar water heaters for households as a potential DSM program.
- ESCB is coordinating with JICA on the power sector master planning effort that will be initiated by JICA beginning in early 2015.
- ESCB is looking to leverage the EU funding for energy efficiency by helping NERC and the Prime Minister's office to develop a proposal for energy efficiency/solar PV.
- Several meetings were held with the USAID Jordan Competitiveness Project to align and leverage activities in the clean tech/energy sector. ESCB also presented our work at the USAID/EDE Partner's meeting in September 2014.

Activities that were informally being initiated at the close of Year 1 included engaging EBRD in support of the DSM incentive mechanism and program roll-out as well as coordinating with KfW on the Ministerial level energy savings action planning and implementation.

GENDER & INCLUSION

AT-A-GLANCE SUMMARY

Top Achievements

- Assessed gender gaps in the energy sector and developed a Gender Action/Inclusion Plan to guide ESCB's response and ensure gender integration and youth inclusion by task and activity
- Produced a written assessment titled *The Role of Women in Energy Service Providers*, detailing the opportunities and challenges facing women in the private sector
- Established the Council for Women in Energy and Environmental Leadership under the Jordan Energy Chapter in Jordan
- Held two leadership events for women in the energy sector
- Designed ESCB's Mentorship Program for young women, the first of its kind in the energy sector

Key Accomplishments

Gender Action Plan

ESCB mobilized Hannah Kemp and Jenine Jaradat to assess gender gaps in the energy sector and develop a Gender Action Plan to guide ESCB's response to them, ensuring gender integration by task and activity. The Gender Action Plan is part of an overall Inclusion Plan, which also details how youth and persons with disabilities will be integrated into the ESCB activity.

Gender Assessment

ESCB gender team produced a written assessment titled *The Role of Women in Energy Service Providers*, detailing the opportunities and challenges facing women in the private sector. The assessment includes recommendations to ESCB, private sector companies and the anticipated ESP network for a comprehensive approach to addressing gender gaps and ensuring women's participation and advancement throughout the sector.

Women's Leadership in the Energy Sector

- Established the Council for Women in Energy and Environmental Leadership under the Jordan Energy Chapter
- Presented ESCB at the second CWEEL meeting
- Hosted two breakfast events for women in the sector
 - The first event, held on April 7, 2014 was a power breakfast with Hala Ballouz, President & Owner of Electric Power Engineers, Inc. in the United States.
 - The second, held on May 6, 2014 was an opportunity for women members of the Jordan Energy



Power Breakfast with Hala Ballouz

Chapter (JEC) to meet with Kathleen O'Dell, Deloitte's Senior Manager on the ESCB activity and member of the Council on Women in Energy & Environmental Leadership (CWEEL).

- Initiated planning for the Women's Leadership Forum, originally scheduled for September 2014, but postponed to spring 2015. Speakers have been identified; agenda drafted; and an invitation list has been developed.

Mentorship Program

- Identified and hired consultants to design the program
- Met with the German Jordan University, Mowgli Foundation, Queen Rania Center for Entrepreneurship, Taqetna, T21 (an education start up platform) and others to research partnership opportunities and garner support for the program
- Developed selection criteria and program-related forms for mentors and mentees

Networking, Capacity-Building and Discussions on Gender

- Met with the German-Jordanian University, the University of Jordan and the American University in Madaba to discuss ESCBs planned internship program and other possible youth outreach activities
- Held 'gender meetings' with USAID projects Takamol, Jordan Competitiveness Program and Water Reuse and Environmental Conservation Project to discuss gender integration and future collaboration
- Presented ESCB's gender approach at the ESP Workshop in March 2014 and the USAID EDE partners' meeting in September 2014
- Fostered dialogue on encouraging women's participation and leadership in discussions with senior leadership in counterpart organizations leading to confirmation from JEPCO and IDECO that they will recruit three women engineers in their respective energy efficiency unit. Additionally, in a special meeting of ESCB's Distributor Demand-Side Management working group where JEPCO, EDCO and IDECO presented their DSM project ideas, all three presenters were women engineers
- Held two capacity-building sessions for local project staff on Gender Programming and ensured that they understand their role in gender integration within ESCB



All Presenters at the Special Meeting of the Distributor DSM Working Group

OUTREACH AND COMMUNICATIONS

AT-A-GLANCE SUMMARY

Top Achievements

- Project was directly highlighted 7 times in online and print news media.
- Produced ESCB communication materials: Activity Brief, Project Profile, Activity Folders, Roll-up banner. Refer to annex X for samples
- Developed mock Facebook and Web pages; submitted to USAID communications and outreach office for approval

Key Accomplishments

For year one, the main communication focus was on task-related face-to-face interaction with counterparts to establish working mechanisms and relationships and promote specific project goals such as the DSM adoption. Project staff met with USAID communications and outreach staff early on in Year 1 to discuss USAID priorities for communications with the Jordanian public. It was agreed that ESCB would not initially establish a FB or web page, but rather, submit material for USAID to post on the Mission pages.

The project established strong links with related donor project and local public and private sector counterparts. This included participation in numerous counterpart events. ESCB also regularly contributes to the USAID monthly internal partner newsletter.

The focus in developing the Year 2 plan will be to highlight project goals, achievements and milestones in order to emphasize the cooperation between USAID and Jordanian public and private counterparts in promoting clean energy. Communication activities will also serve to promote strengthening the role of the women in the energy sector. In addition, specific task-related communication activities will be planned and implemented.



CWEEL breakfast

PERFORMANCE MONITORING

AT-A-GLANCE SUMMARY

Top Achievements

- Performance Monitoring Plan (PMP) was developed by M&E staff, and approved by USAID.
- Developed M&E data collection and analysis processes and tools
- Finalized ESCB M&E dashboard

Key Accomplishments

Year 1 was a foundational year for the ESCB activity M&E team. After receiving the official approval of the Performance Monitoring Plan (PMP) in November 2013, ESCB M&E team directly started working on finalizing the data collection and input templates. Soon after that, the dashboard was developed to transform the data into information and facilitate conversations on ESCB's impact to date through data visualization was developed.

- **Performance Monitoring Plan (PMP)**
 - ESCB submitted our Performance Monitoring Plan (PMP) to USAID in late October; the PMP was subsequently approved in November 2013. The PMP includes 12 approved indicators, along with their definitions and targets for FY14. These indicators consist of a mix of four Standard USAID Foreign Assistance (F) Indicators, five USAID/Jordan CDCS Indicators, and ESCB custom indicators.
 - The ESCB PMP was reviewed by the USAID-funded M&E Support Program MESP; the review report described ESCB PMP as one of the most complete and well-formatted activity M&E plans (AMEPs) that the MESP team has been asked to review. The review report was very comprehensive and ESCB will address all the comments and recommendations mentioned.
 - ESCB is currently reviewing the AMEP and the framework. According to MESP recommendations and the fact that the USAID Economic Development and Energy EDE office is currently revising its PMP, new indicators will be added/edited and some will be removed. ESCB will wait for the final mission PMP to revisit the AMEP.
- **Dashboard and data input templates**
 - The M&E team developed the data input tools and dashboard in a way that best reflects the needed information and analyses that will support planning and decision-making for the ESCB team and ESCB management
 - Learning is a key objective of the Dashboard. Collecting data is not enough; ESCB is focused on translating numbers and data into information that will feed into the learning process
 - The dashboard will not only help the ESCB team, but it will also serve our main stakeholders in analyzing the different activities, discovering challenges and finding solutions

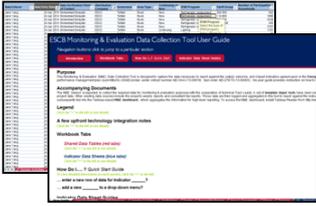
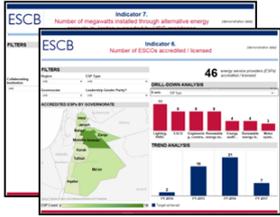
	M&E Data Input Tools	M&E Database	M&E Dashboard
			
PURPOSE	Systematically collect useful data on project activities	Centrally validate and store ESCB performance indicator data	Facilitate conversations on ESCB's impact to date through data visualization
TECHNICAL ENVIRONMENT	Microsoft Excel	Microsoft Excel	<i>Updating:</i> Tableau Desktop (license required) <i>Viewing:</i> Tableau Reader

Figure 1: The ESCB M&E toolkit

- **Participating in USAID M&E activities**
 - ESCB was chosen as one of the first USAID funded activities to test the pilot Knowledge Management Portal (KaMP) developed by MESP
 - ESCB has taken part in all the EDE partners meetings that took place this year. Most importantly, ESCB participated in the mission PMP revision exercise and recommended new indicators to be included.
 - The M&E specialist participated in the several trainings held by MESP

ESCB achievement on Performance Indicators

Indicator 3: Number of institutions receiving technical assistance due to USG assistance

ESCB team has provided technical assistance TA to a total of **72** different institutions either by providing trainings or specific technical advisory. Which is much more higher than the set target because ESCB has provided TA to more private sector companies than anticipated, moreover, ESCB was responsive to the local conditions and other requests for trainings and specific technical advisory from the stakeholders that were not expected for.

After evaluating the trainings and talking to key stakeholders, ESCB learned that specific technical assistance, working with the institutions one-on-one, and on-site trainings are more effective than workshops and classroom trainings. However, these workshops and classroom trainings are important for disseminating information on certain topics and reaching many institutions – after which ESCB can follow up with specific technical advisory.

Figure 2 and 3 below from the M&E Dashboard show the disaggregation of the institutions that received technical assistance through trainings (figure 2) and through specific advisory (figure 3) according to their type.

Number of Institutions Receiving Training Support

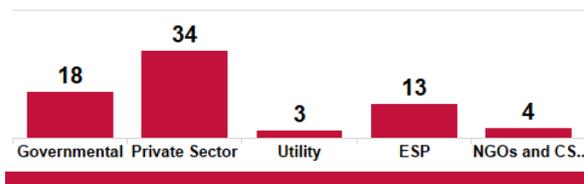


Figure 2

Number of Institutions Receiving Specific Advisory Support

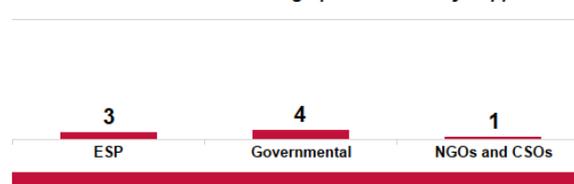


Figure 3

Indicator 8: Number of Action Plans Developed

ESCB team has worked with key stakeholders such as the Utility Reform Working Groups (WGs) and partner institutions to develop action plans for developing the utility incentive mechanism and building their capacity towards set goals. Moreover, ESCB's gender team developed a comprehensive inclusion plan that paves the way for our gender activities in the sector.

Figure 4 shows ESCB's results in delivering 8 approved action plans through this quarter, achieving the target of seven action plans. The disaggregation of these results by institution type is show below

8 action plans approved by USAID

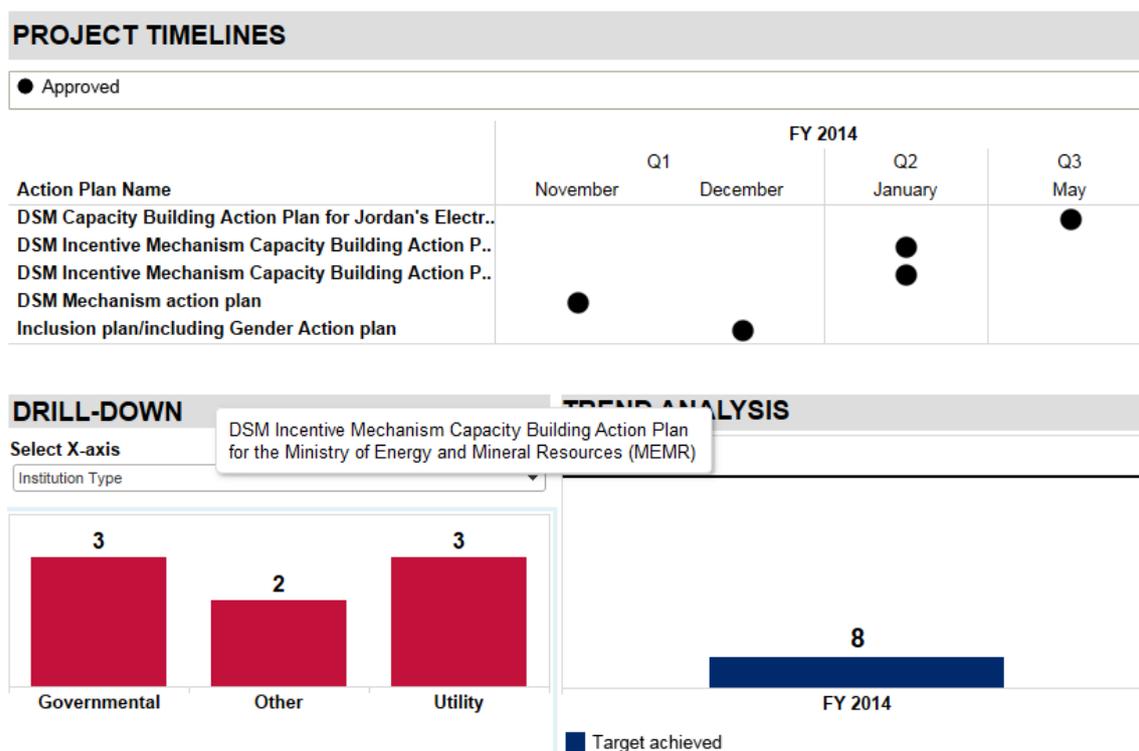


Figure 4

Indicator 11: Proportion of female participants in USG-assisted programs designed to increase access to productive economic resources

Under our gender activities, ESCB team was able to over achieve its target of 30% women participation by 5%, to reach to 35% of female participation in ESCB's activities. This year, two women-focused leadership activities were held by ESCB team and ESCB COP was the guest of honor in another event, these events were part of the inclusion action plan that ESCB has adopted to promote women's participation in the energy sector in Jordan. Moreover, ESCB team encouraged female participation in the trainings held where the percentage of female participation in the trainings was 30%.

Figure 5 below shows the distribution of female participation according to institutions type. Representatives from donors such as EBRD and AFD were 100% females, while a fair percentage of 35% of representatives from the governmental entities were females. The lowest percentage of female participation was from the utilities with 25% only.

35% percent of participants in USG-assisted programs designed to increase access to productive economic resources that are female

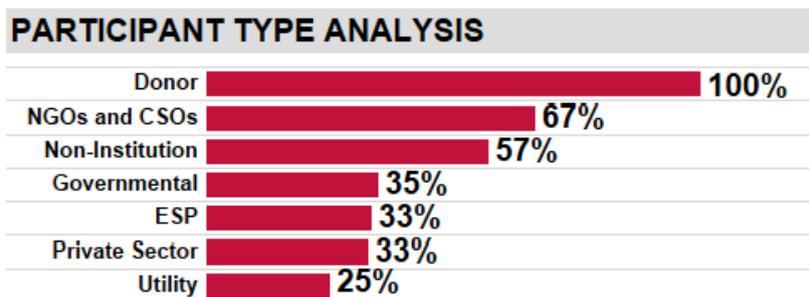


Figure 5

Indicator 12: Person hours of training completed in technical energy fields supported by USG assistance

ESCB has over achieved its target of 1200 person hours of training, with a total of 2,546 person-hour of training delivered to 265 unique individuals in energy fields. As shown in Figure 6 below (extracted from the dashboard), the governmental entities (primarily MEMR, EMRC and NEPCO) employees have received the highest number of person hour trainings, followed by the three utilities and then the private sector.

Governmental entities also have the greatest number of individuals who received training support, with 98 trainees in total. Utilities had the second largest number of individuals trained, with 69 trainees in total. Figure 6 also shows that the private sector and the ESPs are benefiting less from the trainings provided. This is due to ESCB’s focus on the DSM mechanism during the first 9 months of the project period. The ESCB team has developed a draft action plan to develop the ESP market in Jordan and will be providing ESPs with trainings and on-site technical assistance to enhance their ability to implement energy efficiency and renewable energy projects.

ESCB team over achieved its target due to several reasons amongst which are:

1. Most of the trainings were full day rather than 3 hours as anticipated in the PMP
2. Under estimated the number of trainings because stakeholders requested more trainings
3. The capacity building needs assessments recommended more trainings
4. ESCB supported the associations and stakeholders by sponsoring energy efficiency and renewable energy related trainings

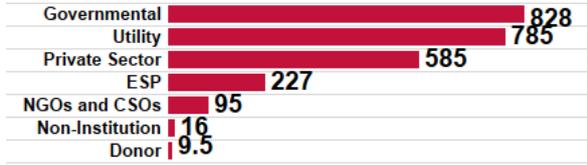
265 unique individuals trained in technical energy fields supported by USG assistance

2,546 person-hours of training completed in technical energy fields supported by USG assistance

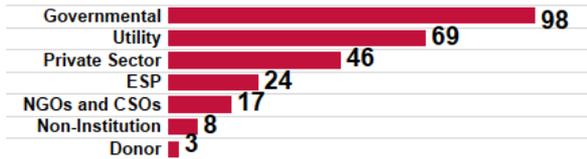
DRILL-DOWN ANALYSIS

X-axis: Institution Type

Person-Hours



Distinct Trainees



PERSON-HOURS TREND ANALYSIS

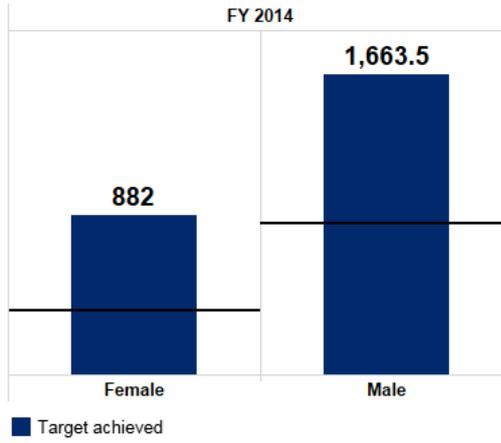


Figure 6

PROJECT MANAGEMENT & OPERATIONS

AT-A-GLANCE SUMMARY

Top Achievements

- Mobilized into new offices
- Finalized long term local staff
- Finalized contract with local subcontractor
- Finalized manuals and accounting systems
- Registered employees and ESCB with appropriate government agencies
- Rented apartments for Expats.
- Acquisition of Vehicles

Key Accomplishments

Human Resources

- Received approval from USAID and mobilized the following local project staff:

Name	Employed by	Project Role
Saja Jardaneh	Deloitte	Operations Manager
Faraj Abu Nofal	Deloitte	Expeditor/Driver
Ala Aloul	Deloitte	Procurement and Logistics Manager
Suha Baqqili	Deloitte	Outreach Coordinator
Amal Abu Khiara	Deloitte	Office Assistant
May Bseiso	Deloitte	Administrative Assistant/ Receptionist - Resigned
Sara Aladdin	Deloitte	Administrative Assistant
Arafeh Shabakeh	Deloitte	Driver
Isam Mustafa	Deloitte	Senior Energy Expert- Resigned
Lama Abdel Qader	Eco Consult	Institutional Capacity Advisor
Jamal Arja	Eco Consult	Sr. Electricity Advisor
Mohamad Maayatah	Eco Consult	Energy Expert
Tareq Qubain	Eco Consult	DSM Planner
Adam Atari	Eco Consult	Financial Analyst
Reem Hamdan	Eco Consult	Sr. Electricity Advisor – Resigned
Ruba Al Zuubi	Eco Consult	Institutional Capacity Advisor- Resigned
Muna Tarawneh	Eco Consult	Institutional Capacity Advisor- Resigned
Jenine Jaradat	Eco Consult	Sr. Gender Specialist (Long term- part time)
Majd Suleiman	Eco Consult	M&E Specialist (Long term- part time)

Procurement

Office Space and Equipment

- Rented new office space
- Fully equipped office space with phones, internet and furniture
- Finalized Ministry of Energy Office for special task
- Set up inventory list (see Annex)

Vehicles

- Purchased one vehicle and received another car from ESRP through disposition

Expat Housing

- Rented apartments for long term Expats and one apartment for STTA expats to reduce hotel costs

Financial Management

- Financial and Operational systems were set in place
- Finalized local staff personnel manual, crisis management plan and deployment guide manuals
- Registered employees in the Social Security Corporation
- Registered ESCB in the Income and Sales Tax Department

ANNEX 1: ESCB PERFORMANCE DATA

Indicator	Baseline	FY14 Target	Total achieved in Year 1
1. Percent of energy efficiency increases at electricity sub-station level due to USG assistance	0% <i>DSM/EE program not yet implemented</i>	0 <i>DSM/EE programs to begin late FY14</i>	N/A
2. Number of households implementing EE measures as a result of USG assistance	0 <i>DSM/EE program not yet implemented</i>	0 <i>DSM/EE programs to begin late FY14</i>	N/A
3. Number of institutions receiving technical assistance due to USG assistance	0 <i>Baseline defined to track technical assistance provided through ESCB</i>	20 <i>List of anticipated institutions included in PMP, Appendix 1</i>	72
4. Number of institutions with improved capacity to address clean energy issues as a result of USG assistance	0 <i>Baseline defined to track capacity building due to ESCB</i>	0 <i>FY14 is the defined baseline year</i>	N/A
5. Validated savings from utilities' forecasted electric demand due to incentive mechanism demand-side-management/energy efficiency programs	0 <i>DSM/EE program not yet implemented</i>	0 <i>DSM/EE programs to begin late FY14</i>	N/A
6. Number of ESCOs accredited/licensed	0 <i>Accreditation program not yet implemented</i>	0 <i>Accreditation program to begin FY15 earliest</i>	N/A
7. Number of megawatts installed through alternative energy projects in Jordan supported by USG assistance	N/A <i>To be defined based on Task 4 initiatives</i>	0.15 MW <i>Estimate dependent on known planned solar panel installations</i>	0

Indicator	Baseline	FY14 Target	Total achieved in Year 1
8. Number of action plans developed	0 <i>Baseline defined to track action plans developed due to ESCB</i>	7 <i>Assumes 3 WG Action Plans, ESCO Action Plan, and 3 Capacity Building Plans (MEMR, EMRC, one DISCO)</i>	8
9. Number of laws, policies, strategies, plans, agreements, or regulations addressing clean energy officially proposed, adopted, or implemented as a result of USG assistance	0 <i>Expected measure will be the utility incentive mechanism</i>	1 <i>At least one agreement with a DISCO reached</i>	1
10. ESCO association created	No <i>Governing body not yet established</i>	Yes <i>Association to be formed in FY14</i>	NA
11. Proportion of female participants in USG-assisted programs designed to increase access to productive economic resources	0 <i>Baseline defined to track ESCB gender considerations</i>	30% <i>Based on an estimated approximately 36 female participants out of 120 total</i>	35%
12. Person hours of training completed in technical energy fields supported by USG assistance	0 <i>Baseline defined to track capacity building due to ESCB</i>	1,200 <i>Assumes average of 30 trainees attending 14 three hour trainings planned in Year 1</i>	2,546

Event	Venue	Date	# of invitees	# of Attendees	Male	Female
Task 1 Kickoff	Bristol Hotel	3-Oct-2013	72	50	36	14
DSM Mechanism Workshop and WG Meetings kickoff	Retaj Hotel	7-Oct-2013	35	34	25	9
Task 3 Kick off Meeting	Century Park Hotel	23-Oct-2013	50	34	24	10
Weather Emergency Planning and Operations For Electric Utilities	NEPCO Auditorium	21-Jan-2014	80	67	56	11
NEPCO Consumer Consultation	Century Park	13-Feb-2014	14	15	15	0
Training on Lessons Learned from Energy Efficiency, Bulk Procurement and Replacement Programs around the world	Crown Plaza	18-Feb-2014	41	30	25	5
Power Breakfast Executive Seminar	Four seasons Hotel	20-Feb-2014	52	32	25	7
Aqaba Consumer Consultation	Movenpick	21-Feb-2014	18	17	14	3
Utility Capacity Building Workshop	Century Park Hotel	24-Feb-2014	55	32	25	7
IDECO Consumer Consultation	IDECO	5-Feb-2014	22	22	18	2
Special Workshop on organizing Jordan Energy Service Providers	Crown Plaza	3-March-2014	184	75	55	20
Schools Consumer Consultation	ESCB Offices	5-Mar-2014	10	7	5	2
Financial Model Training	Century Park	16-Mar-2014	20	22	15	7
Power Breakfast with Hala Ballouz	InterContinental	7-Apr-14	53	31	0	31
Integrating Renewable Power into Electricity Grids	Bristol Hotel	10-Apr-14	22	34	26	8
DSM Distributor Working Group	Bristol Hotel	14-Apr-14	21	13	9	4
ESP Focus Group	Crown Plaza Hotel	14-Apr-14	36	17	13	4
Load Survey Training (3 days training)	JEPCO	21-24/Apr/14	17	17	9	8
Technical Seminar on Science & Technology Advice to the Government	NERC	26-27 May, 2014	9	9	7	2
Energy Performance Contracting, Measurement & Verification for Commercial / Public / Industrial Markets	LandMark Hotel	28-May-14	71	46	37	9
ESP Focus Group	Century Park Hotel	1-Jun-14	24	16	12	3
Regulating the Energy Services Industry in Jordan	Bristol Hotel	5-Jun-14	38	24	11	10
Financial Model Training	InterContinental	25-Jun-14	30	28	23	5
Special Meeting of the Distributor DSM WG	Crown Plaza	19-August	33	19	6	14

ANNEX 2: ESCB IN THE NEWS

September 18, 2013

USAID funds 19 Million US Dollar for an Energy Efficiency Initiative.

USAID-funded initiative to 'create energy security' for Kingdom

AMMAN (UT) — The government, in cooperation with USAID, is implementing a \$19 million Energy Sector Capacity Building (ESCB) activity to create future energy security for Jordan.

"The ESCB promotes energy efficiency, building institutional capacity and strengthening energy companies," a USAID statement said on Tuesday.

The four-year project is implemented by Deloitte Consulting, LLP, in partnership with Jordanian consulting firm ECO Consult, and US-based National Association of Regulatory Utility Commissioners, Alliance to Save Energy, Quanta, and Technology Transition Company, the statement said.

The first priority for the ESCB is "establishing a utility incentive to promote energy efficiency by April 2014".

This mechanism will provide "the regulatory environment needed to make energy efficiency programmes a beneficial endeavour for utilities", according to USAID.

"Increasing domestic energy through major energy infrastructure projects takes years to develop. In the short term, reducing demand through energy efficiency is part of the solution," the statement quoted USAID Mission Director Beth Paige as saying.

The recent political uprising in Egypt underscores the urgency behind the plan. Nearly 90 per cent of Jordan's electricity is powered via Egypt's Arab Gas Pipeline. In times of unrest, attacks on the pipeline increase, costing Jordan \$2 billion in 2012 alone," the statement said.

To ensure sustainability, the ESCB is working with "key Jordanian energy partners", including the Ministry of Energy and Mineral Resources, the Electricity Regulatory Commission, the Jordanian Electric Power Company, the Electricity Distribution Company, the Irbid District Electricity Company and the National Electric Power Company.

"The ESCB will further strengthen energy service companies, which play an important role in implementing energy efficiency projects", according to USAID.

"The American people [have] provided more than \$6.5 billion in economic assistance to Jordan since 1952 of which \$4.2 billion came between 2000-2010," according to the statement.

September 19, 2013

USAID funds 19 Million US Dollar for an Energy Efficiency Initiative.

في إطار بناء قدرات القطاع وإيجاد مستقبل آمن للطاقة في المملكة

الوكالة الأمريكية للتنمية الدولية تمول مبادرة ترشيد الطاقة بكلفة ١٩ مليون دولار

عمان- الدستور- وسام السعيدة

تقوم الوكالة الأمريكية للتنمية الدولية (USAID) والحكومة الأردنية بتنفيذ مبادرة بقيمة ١٩ مليون دولار تهدف إلى بناء قدرات قطاع الطاقة وإيجاد مستقبل آمن للطاقة في المملكة.

ويروج المشروع لكفاءة استخدام الطاقة، وبناء القدرات المؤسسية، وتقوية شركات الطاقة، ويقوم بتنفيذ هذا المشروع، الذي مدته أربع سنوات، شركة ديلويت للاستشارات، بالشراكة مع الشركة الأردنية أيكو كونسلت، والرابعة الوطنية لتنظيم ميثاق الكهرباء في الولايات المتحدة الأمريكية، وتحالف توفير الطاقة، وشركة كواتم، وشركة التحول التكنولوجي.

وتعدّ الأولوية الأولى لهذه المبادرة هي وضع نظام حوافز لشركات الكهرباء الأردنية لتشجيعها على تحسين كفاءة استخدام الطاقة وذلك بحلول نيسان ٢٠١٤.

هسته في هذه الآلة العمة التشريعية اللازمة

لجعل برامج كفاءة استخدام الطاقة خياراً جديداً لشركات الكهرباء.

وتقول بيث بايج، مديرة بعثة الوكالة الأمريكية للتنمية الدولية، تستغرق عملية التطوير اللازمة لزيادة مصادر الطاقة المحلية، من خلال مشروع رئيس للبنى التحتية للطاقة عدة سنوات، وبالمقابل فإن خفض الطلب على الطاقة من خلال تحسين كفاءة استخدام الطاقة يعدّ جزءاً من الحل على المدى القصير.

وأثبتت التحولات السياسية الأخيرة في مصر أن هناك حاجة ملحة لمثل هذا التوجه (تحسين كفاءة استخدام الطاقة)، حيث يتم توليد نحو ٩٠٪ من الكهرباء في المملكة باستخدام الغاز المصري عن طريق خط الغاز العربي المصري، وتزداد الهجمات على خط الأنابيب في أوقات الاضطرابات، مما كلف الأردن ٢ مليار دولار أمريكي في عام ٢٠١٢ وحده. ولضمان الاستدامة، تعمل هذه المبادرة مع شركاء أردنيين رئيسيين في مجال الطاقة، بما في ذلك وزارة الطاقة والثروة المعدنية، وهيئة تنظيم

قطاع الكهرباء، وشركة الكهرباء الأردنية المساهمة العامة المحدودة، وشركة توزيع الكهرباء المساهمة العامة وشركة كهرباء محافظة إربد، وشركة الكهرباء الوطنية.

وستقوم المبادرة بتقوية شركات خدمات الطاقة التي تلعب دوراً مهماً في تنفيذ مشاريع كفاءة الطاقة.

وقدم الشعب الأمريكي أكثر من ٦.٥ مليار دولار أمريكي كمساعدات اقتصادية للأردن منذ عام ١٩٥٢، حيث تم تقديم ٤.٢ مليار دولار أمريكي منها بين عامي ٢٠٠٠ و ٢٠١٠، وتشمل مجالات التركيز في إطار استراتيجية التنمية الجديدة للوكالة الأمريكية للتنمية الدولية على التنمية الاقتصادية، والطاقة، والديمقراطية والحكم الرشيد، وتنظيم الأسرة والصحة، والتعليم، والمياه، وتمكين المرأة.

وتدعم الوكالة الأمريكية للتنمية الدولية أيضاً جهود الأردن لمواجهة التحديات المتزايدة الناجمة عن التدفق المستمر للاجئين السوريين.

October 28, 2013

Article published in local newspapers on the EDAMA Power Breakfast, where ESCB Chief of Party Mary Worzala gave a presentation.

Links:

- <http://bit.ly/1bxVZqy>
- <http://bit.ly/191Z8jA>
- <http://bit.ly/Hnn5YI>
- <http://bit.ly/1gXjJvl>
- <http://on.fb.me/1iqIqeU>
- <http://bit.ly/17V9RbH>

قراء
العرباليوم

Alarab Alyawm
العرباليوم

الرئيسية أخبار الأردن الوطن العربي دوليات الاقتصاد الرياضة آراء ومواقف قضايا اليوم
فلسطين • الطائفة الماليزية • ليبيا • توقعات النجوم • مصر

الإثنين، 28/10/2013

الاقتصاد

الحكومة ستوقع 12 اتفاقية لشراء الطاقة

0 0 0 0



عمان (بغرا)-رائف الشيباب-قال وزير الطاقة والثروة المعدنية الدكتور محمد حامد إن الوزارة ستوقع اتفاقية شراء الطاقة مع 12 شركة تقدمت بعروض مباشرة للوزارة .

وأشار حامد خلال لقاء عقدته جمعية ادامة اليوم الاثنين بعنوان "تشجيع كفاءة استخدام الطاقة وبناء القدرات في المجال في الأردن"، إلى موافقة رئاسة الوزراء على

March 9, 2014

Interview with Eng. Samer Zawaydeh on Normina TV's "Recycle" program

Noteworthy mentions:

- 34:00 USAID
- 40:15 ESCB

Links:

<http://www.youtube.com/watch?v=eg4ckCKGnDM>

برنامج ريسايل مع المخرج هشام غيث الحلقة 27

محمد العديلات - 98 videos

208 views

Like Share Add to

Published on Mar 9, 2014

March 21, 2014

Interview with Eng. Samer Zawaydeh on Normina TV's "Recycle" program

Noteworthy mentions:

- 35:58 ESCB

Links:

https://www.youtube.com/watch?feature=player_embedded&v=wkzSRRGmo8A



June 3, 2014

Articles published in local newspapers on "Waste Utilization Initiative" discussed by ESCB with Greater Amman Municipality and MEMR

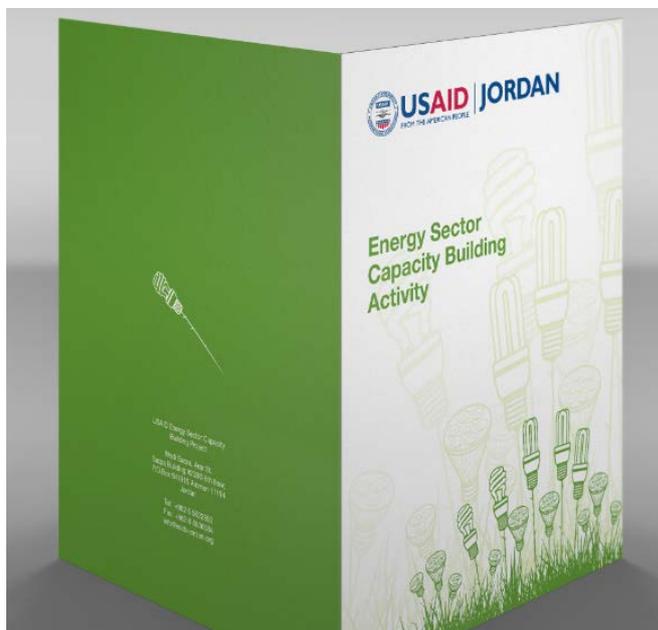
Links:

- <http://bit.ly/191z8jA>

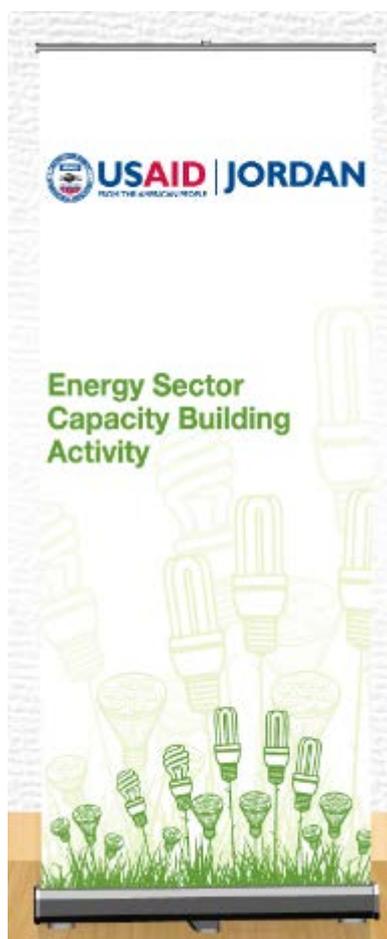


ANNEX 3: COMMUNICATIONS AND OUTREACH MATERIALS

1. ESCB Folder Design



2. ESCB Roll-up Banner



3. Activity Brief



ACTIVITY BRIEF Energy Sector Capacity Building

USAID supports Jordanian energy sector partners in creating a viable enabling environment for energy efficiency, strengthening enabling institutions, and expanding the local market for energy service companies.



PARTNER:
Deloitte Consulting LLP, with EDC Consult, National Association of Regulatory Utility Commissioners, Alliance to Save Energy, Quanta, and Technology Transition Co.

ACTIVITY DURATION:
July 25, 2013 – July 24, 2017

TASK ORDER AMOUNT:
\$15,375,121

U.S. Agency for International Development:
U.S. Embassy, Amman, Al-Urdun Street, 26, Amman, Jordan 11115

CHALLENGE:
Jordan's energy security is precariously at risk: its energy sector faces higher global oil and gas prices, increased domestic demand, and a changing regional political environment that can no longer subsidize the country's near-total reliance on energy imports which in 2012 cost nearly 24% of Jordan's GDP.

Long-term initiatives, such as increased use of renewable energy and the development of alternative energy supplies, will eventually help address the supply side of Jordan's energy equation. However, in the near-term the Jordanian energy sector actors must also address the demand side through improved energy efficiency. To achieve this goal, they must overcome various challenges, including distorted tariffs, a lack of capacity, and a dearth of reliable data to support effective decision-making.

ACTIVITY:
USAID's Energy Sector Capacity Building activity applies a broad, adaptable approach to meet the energy sector's evolving needs in coordination with other relevant ongoing activities, it works towards:

1. Successful development and adoption of a utilities incentive mechanism to promote energy efficiency, including a robust monitoring, evaluation, and validation system;
2. Increased institutional capacity of the Jordanian energy sector partners including the Ministry of Energy and Mineral Resources, Electricity Regulatory Commission, and electricity production, distribution, and transmission companies;
3. Strengthened presence, capacity and regulation of energy services companies through market research, business development services, accreditation of those companies, and the creation of an energy services association; and
4. Flexible response mechanism for emergent energy sector needs and opportunities on a demand-driven basis.

CONTACTS:
Mary Wozniak, Chief of Party
Rami Sabelis, Project Management Specialist

This activity is funded by the United States Agency for International Development (USAID). Legacy through USAID, the U.S. Government has provided more than \$5.2 billion in economic assistance to Jordan since 1952, of which \$1.2 billion was provided from 2000-2010. Focus areas under USAID's new development strategy include economic development and energy, democracy and governance, family planning and health, education, water, and gender and female empowerment. USAID also supports Jordan's efforts to address the growing challenges caused by the ongoing influx of Syrian refugees.

4. Project Profile



Energy Sector PROJECT PROFILE

August 2014



USAID supports Jordanian energy sector partners in creating a viable enabling environment for energy efficiency, strengthening enabling institutions, and expanding the local market for energy service companies.

U.S. Agency for International Development
jordan.usaid.gov

Energy Sector Capacity Building Activity

BACKGROUND:
Jordan's energy security is precariously at risk: Energy takes up to 24% of Jordan's gross domestic product. The sector faces high global oil and gas prices, national reliance on energy imports, increased domestic demand, and high, unsustainable subsidies.

Long-term initiatives, such as increased use of renewable energy and the development of alternative energy supplies, will eventually help address the supply side of Jordan's energy equation. However, in the near-term the Jordanian energy sector actors must also address the demand side through improved energy efficiency. To achieve this goal, they must overcome various challenges, including distorted tariffs, a lack of capacity, and a lack of reliable data to support effective decision-making.

- GOALS:**
- Successful development and adoption of a utilities incentive mechanism to promote energy efficiency, including a robust monitoring, evaluation, and validation system;
 - Increase institutional capacity of the Jordanian energy sector partners including the Ministry of Energy and Mineral Resources, Energy and Mineral Resources Commission, and electricity production, distribution, and transmission companies;
 - Strengthen presence, capacity and regulation of energy services companies through market research, business development services, accreditation of energy services companies, and the creation of an energy services association; and
 - Provide a flexible response mechanism for emergent energy sector needs and opportunities on a demand-driven basis.

CONTINUES >



PROGRESS & ACHIEVEMENTS

- **Utilities Incentive Mechanism**
 - Achieved formal government approval for a Demand Side Management (DSM) Incentive Mechanism
 - Conducted consumer consultations with commercial and industrial sector on energy efficiency and their trust in the energy utilities
 - Completed first comprehensive household load survey in Jordan to document appliance holdings and usage patterns by consumption level
 - Developed a financial analysis model to evaluate the cost-effectiveness of different energy-saving investments
 - Conducted an analysis of policy gaps within existing laws, bylaws and instructions on renewable energy and energy efficiency
- **Capacity Building**
 - Developed capacity building action plans for six energy sector agencies and companies
 - Provided technical support and training to 44 sector institutions, for a total 1000 person-hours of training
 - Prepared chapters on renewable power for the transmission grid and distribution codes, and provided advice on renewable power integration
 - Supported IREDA's energy saving action Planning Process and Greater Amman Municipality Waste-to-Energy facility
- **Developing Energy Service Company Associations**
 - Supported the establishment of an informal coalition of Energy Service Providers and initiated preliminary market survey
 - Conducted a survey of financial institutions providing green credit facilities
- **Responding to Energy Sector Opportunities**
 - Completed environmental monitoring and mitigation plan and initiated tendering process for establishing solar power at Ministry of Planning and International Cooperation and Jordan Customs Department
- **Gender and Inclusion**
 - Developed project inclusion plan to promote roles of women and youth in energy sector
 - Hosted two networking events for women in the energy sector



IRECO engineers developing their DSM plans using a financial analysis model provided by IRECO

CONTACT:
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USAID Jordan Energy Sector Capacity Building Activity
Tel: +962 6 2605603
Fax: +962 6 2605604
mwoz@us-aid.gov

ANNEX 4: STTA PROVIDED DURING THE YEAR

Consultant	Arrival	Departure	Task #	Expertise	Trip Report Available
Alice Miller	1-Oct-13	10-Oct-13	Task #1	Establishment of regulatory task force for DSM	NA
Hameed Nezhad	5-Oct-13	26-Oct-13	Task #3	Task #3 Leader	NA
Gergana Stoitcheva	28-Oct-13	7-Nov-13	Task #1	Financial Modeling for DSM	NA
Bill Noel	1-Nov-13	15-Nov-13	Task #2- plug	Technical support to JSMO on EE lighting Standards	Yes
Hannah Kemp	1-Nov-13	14-Nov-13	Cross-cutting	Gender assessment and action plan	Yes
Suzanne Hinsz	7-Nov-13	20-Nov-13	Task #2	Capacity Building needs assessment for EMRC and MEMR	Included in capacity building needs assessment for EMRC/MEMR
Jeff Serfass	5-Dec-13	15-Dec-13	Task #3	Association background and recommendations	Assessment Report for Creating an Energy Service Providers Association in Jordan
Hameed Nezhad	6-Dec-13	20-Dec-13	Task #3	Task Leader	Yes
Sasan Salem	2-Dec-2013	5-Jan-14	Task #1	IRP background report	NA
Robert Taylor	6-Dec-13	23-Dec-13	Task #1	Support to EMRC on legal and Regulatory framework for DSM	Yes
Jake Delphia	16-Dec-2013	27-Dec-13	Task #1 Acting COP	Management/Acting COP	Yes
Dilip Limaye	11-Dec-13	18-Dec-13	Task #1	EE Financing and ESCOs	Yes
Mark Germer	15-Dec-13	20-Dec-13	Task #1	EE Financial Model development	Yes
Robert Taylor	9 Jan 2014	24 Jan 2014	Task #1	Legal and Regulatory support for DSM	Yes
Alice Miller	10 Jan 2014	23 Jan 2014	Task #1	Regulatory	Yes
Brian Castelli	28 Jan 2014	12 Feb 2014	Task #2	DSM capacity building	Yes
Mike Weedall	6 Feb 2014	28 Feb 2014	Task #2	DSM capacity Building	Electric Utilities Capacity Building

Consultant	Arrival	Departure	Task #	Expertise	Trip Report Available
					Action Plan
Richard Longstaff	9 Feb 2014	20 Feb 2014	PMO	Engagement Director	Not required
Naceur Hammami	10 Feb 2014	24 Feb 2014	Task #2	DSM/Lighting program design	Yes
Dilip Limaye	10 Feb 2014	21 Feb 2014	Task #1	EE Financing and ESCOs	Yes
Hameed Nezhad	13 Feb 2014	8 Mar 2014	Task #3	Task Leader	Yes
Jeff Serfass	14 Feb 2014	7 Mar 2014	Task #3	Association Development	ESP Workshop Report
Mark Germer	6 March 2014	14 March 2014	Task #1	EE financial modeling	Yes
Bill Noel	6 March 2014	19 March 2014	Task #2 – plug	EE Lighting Standards	Yes
Hala Ballouz	28 March 2014	12 April 2014	Task #2	Renewable Integration and grid code development	Yes
Richard Longstaff	March 29, 2014	April 3, 2014	PMO	Engagement Director	Not required
Alice Miller	April 7, 2014	April 20, 2014	Task #1	DSM instructions development	Yes
Jane Yang	April 18, 2014	May 2, 2014	PMO	Monitoring & Evaluation dashboard	Yes
Alice Miller	May 10, 2014	May 23, 2014	Task #1	Support to EMRC on DSM Letter of Instruction	Yes
Hameed Nezhad	May 16, 2014	June 7, 2014	Task #3	Task #3 Leader	Yes
Mark Stetz	May 17, 2014	June 12, 2014	Task #3	Performance Contracting	Yes
George Caraghiaur	May 26, 2014	June 6, 2014	Task #3	ESCOs business and accreditation	Yes
Hala Ballouz	June 9, 2014	June 23, 2014	Task #2	Renewable Energy grid code development	Yes
Mark Germer	June 18, 2014	June 29, 2014	Task #1	EE Financial Modeling and DSM program planning	Yes
Hameed Nezhad	August 15, 2014	September 20, 2014	Task 3	Work plan development and management of Task 3	Yes
William Miller	August 5, 2014	August 21, 2014	Task 1	Capacity building for development of DSM	Yes
Bill Noel	August 15, 2014	August 29, 2014	Task 4	Analysis of solar PV bids received	Yes
Donald Gilligan	August 22, 2014	August 31, 2014	Task 3	Outline accreditation system	Yes

ANNEX 5: MATERIALS ON THE CD

Deliverables submitted this year

	Deliverable Name	Date Submitted	Author	Task
1.	Year 1 Work Plan	Nov 10, 2013	Deloitte	
2.	Performance Monitoring Plan	Nov 10, 2013	Deloitte	
3.	Energy Efficient Lighting, Testing Laboratory Infrastructure	November 22, 2013	W.Noel and I. Mustafa	Task 2 plug
4.	ESCB Gender Baseline, Inclusion Plan and Gender Advisor STTA Trip Report	November 26, 2013	Hannah Kemp and Jenine Jaradat	
5.	Capacity Building Action Plan – MEMR and EMRC	January 22, 2014	Suzanne Hinsz, Robert Taylor, Michael Jake Delphia, Mohammad Maaytah and Jenine Jaradat	Task 2
6.	Assessment Report for Creating an Energy Service Providers Association in Jordan	January 26, 2014	Jeff Serfass, Technology Transition Corporation and Mohammad Asfour	Task 3
7.	Assessment of the Energy Efficiency and Renewable Energy Market in Jordan	February, 2014	Dr. Ibrahim Odeh, Dr. Hameed Nezhad and Isam Musatafa	Task 3
8.	Survey of Energy Services Industry in Jordan	February, 2014	Dr. Hameed Nezhad and Isam Mustafa	Task 3
9.	Electric Utilities DSM Capacity Building Action Plan	March 15, 2014	Brian Castelli & Mike Weedall	Task 2
10.	The Potential Role of Women within ESPs in Jordan	April 2, 2014	Jenine Jaradat	Task 3
11.	Promotion of Solar PV in Government Buildings	April 9, 2014	William Noel	Task 4
12.	DSM Consumer Consultations Summary Report	April 15, 2014	Mohammad Maaytah	Task 1
13.	Jordan Energy Service Providers Workshop Report	April 16, 2014	Jeff Serfass	Task 3
14.	Access to finance: Survey for energy efficiency and renewable energy projects	July 2014	Hameed Nezhad and Tareq Farhan	Task 3
15.	Quarterly Performance Report From October 1 - December 31, 2013	January 19, 2014	Deloitte	
16.	Quarterly Financial Report From October 1 – December 31, 2013	January 15, 2014	Deloitte	
17.	Quarterly Institutional Strengthening Report From July – December, 2013	January 19, 2014	Deloitte	
18.	Quarterly Performance Report From January 1 - March 31, 2014	April 15, 2014	Deloitte	
19.	Quarterly Financial Report From January 1 – March 31, 2014	April 15, 2014	Deloitte	
20.	Quarterly Institutional Strengthening Report From January 1 – March 31, 2014	April 15, 2014		
21.	Quarterly Performance Report From April 1 - June 30, 2014	July 15, 2014	Deloitte	
22.	Quarterly Financial Report	July 15, 2014		

	From April 1 – June 30, 2014			
23.	Quarterly Institutional Strengthening Report From April 1 – June 30, 2014	July 15, 2014		
24.	Year 2 Work Plan From October 1, 2014 – September 30, 2015	Sep 30. 2014	Deloitte	

For list of trip reports please refer to Annex 4 (STTA provided during the year)

Photos

ANNEX 6: PROJECT INVENTORY

Description	Asset ID No.	Manufacturer	Model No.	Manufacturer Serial No.	WBS (Level 1)	Date Acquired	Date in Service	Property Value (USD)	Property Value (JOD)	Acquisition Method	Invoice No.	Location	USAID Logo Used?	Type	Room #
Desk 160 cm+ Lateral Extension+Pedestal 4 Drawers	ESCB1	Las Mobilis	106355	FQ000789-2-ESCB1	USA1055 1-01	09/26/13	10/29/13	428.87	JOD 304.50	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	002
Desk 160 cm+ Lateral Extension+Pedestal 4 Drawers	ESCB2	Las Mobilis	106355	FQ000789-2-ESCB2	USA1055 1-01	09/26/13	10/29/13	428.87	JOD 304.50	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	002
Desk 160 cm+ Lateral Extension+Pedestal 4 Drawers	ESCB3	Las Mobilis	106355	FQ000789-2-ESCB3	USA1055 1-01	09/26/13	10/29/13	428.87	JOD 304.50	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	002
Desk 160 cm+ Lateral Extension+Pedestal 4 Drawers	ESCB4	Las Mobilis	106355	FQ000789-2-ESCB4	USA1055 1-01	09/26/13	10/29/13	428.87	JOD 304.50	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	002
Desk 160 cm+ Lateral Extension+Pedestal 4 Drawers	ESCB5	Las Mobilis	106355	FQ000789-2-ESCB5	USA1055 1-01	09/26/13	10/29/13	428.87	JOD 304.50	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	002

Desk 160 cm+ Lateral Extension+Pedestal 4 Drawers	ESCB6	Las Mobilis	106355	FQ000789-2-ESCB6	USA1055 1-01	09/26/13	10/29/13	428.87	JOD 304.50	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	014
Desk 160 cm+ Lateral Extension+Pedestal 4 Drawers	ESCB7	Las Mobilis	106355	FQ000789-2-ESCB7	USA1055 1-01	09/26/13	10/29/13	428.87	JOD 304.50	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	008
Desk 160 cm+ Lateral Extension+Pedestal 4 Drawers	ESCB8	Las Mobilis	106355	FQ000789-2-ESCB8	USA1055 1-01	09/26/13	10/29/13	428.87	JOD 304.50	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	009
Desk 160 cm+ Lateral Extension+Pedestal 4 Drawers	ESCB9	Las Mobilis	106355	FQ000789-2-ESCB9	USA1055 1-01	09/26/13	10/29/13	428.87	JOD 304.50	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	007
Desk 140 cm+Pedestal 2 Drawers	ESCB10	Las Mobilis	106354	FQ000789-2-ESCB10	USA1055 1-01	09/26/13	10/29/13	263.03	JOD 186.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	014
Desk 140 cm+Pedestal 2 Drawers	ESCB11	Las Mobilis	106354	FQ000789-2-ESCB11	USA1055 1-01	09/26/13	10/29/13	263.03	JOD 186.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	007
Desk 140 cm+Pedestal 2 Drawers	ESCB12	Las Mobilis	106354	FQ000789-2-ESCB12	USA1055 1-01	09/26/13	10/29/13	263.03	JOD 186.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	007
Desk 140 cm+Pedestal 2 Drawers	ESCB13	Las Mobilis	106354	FQ000789-2-ESCB13	USA1055 1-01	09/26/13	10/29/13	263.03	JOD 186.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	003
Desk 140 cm+Pedestal 2 Drawers	ESCB14	Las Mobilis	106354	FQ000789-2-ESCB14	USA1055 1-01	09/26/13	10/29/13	263.03	JOD 186.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	003

Desk 180 cm+ Lateral Extension+Pedestal 4 Drawers	ESCB15	Las Mobilis	106356	FQ000789-2-ESCB15	USA1055 1-01	09/26/13	10/29/13	440.49	JOD 312.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	006
Desk 180 cm+ Lateral Extension+Pedestal 4 Drawers	ESCB16	Las Mobilis	106356	FQ000789-2-ESCB16	USA1055 1-01	09/26/13	10/29/13	440.49	JOD 312.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	005
Front Panel L 140 cm	ESCB17	Las Mobilis	106292	FQ000789-2-ESCB17	USA1055 1-01	09/26/13	10/29/13	75.84	JOD 53.85	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	003
High cabinet L90xD35xH 198.4 cm	ESCB18	Las Mobilis	113636	FQ000789-2-ESCB18	USA1055 1-01	09/26/13	10/29/13	389.79	JOD 276.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	008
High cabinet L90xD35xH 198.4 cm	ESCB19	Las Mobilis	113636	FQ000789-2-ESCB19	USA1055 1-01	09/26/13	10/29/13	389.79	JOD 276.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	009
High cabinet L90xD35xH 198.4 cm	ESCB20	Las Mobilis	113636	FQ000789-2-ESCB20	USA1055 1-01	09/26/13	10/29/13	389.79	JOD 276.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	009
High cabinet L90xD46.2xH 198.4 cm	ESCB21	Las Mobilis	113588	FQ000789-2-ESCB21	USA1055 1-01	09/26/13	10/29/13	426.76	JOD 303.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	014
High cabinet L90xD46.2xH 198.4 cm	ESCB22	Las Mobilis	113588	FQ000789-2-ESCB22	USA1055 1-01	09/26/13	10/29/13	426.76	JOD 303.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	003
Low cabinet L90xD35xH 83.2 cm	ESCB23	Las Mobilis	113603	FQ000789-2-ESCB23	USA1055 1-01	09/26/13	10/29/13	191.20	JOD 135.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	014
Low cabinet L90xD46.2xH 83.2 cm	ESCB24	Las Mobilis	113513	FQ000789-2-ESCB24	USA1055 1-01	09/26/13	10/29/13	209.62	JOD 148.83	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	008

Low cabinet L90xD46.2xH 83.2 cm	ESCB25	Las Mobilis	113513	FQ000789-2- ESCB25	USA1055 1-01	09/26/13	10/29/13	209.62	JOD 148.83	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	004
Low cabinet L90xD46.2xH 83.2 cm	ESCB26	Las Mobilis	113513	FQ000789-2- ESCB26	USA1055 1-01	09/26/13	10/29/13	209.62	JOD 148.83	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	004
Low cabinet L90xD35xH 83.2 cm	ESCB27	Las Mobilis	113603	FQ000789-2- ESCB27	USA1055 1-01	09/26/13	10/29/13	191.20	JOD 135.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	002
Low cabinet L90xD35xH 83.2 cm	ESCB28	Las Mobilis	113603	FQ000789-2- ESCB28	USA1055 1-01	09/26/13	10/29/13	191.20	JOD 135.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	002
Low cabinet L90xD35xH 83.2 cm	ESCB29	Las Mobilis	113603	FQ000789-2- ESCB29	USA1055 1-01	09/26/13	10/29/13	191.20	JOD 135.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	002
Low cabinet L90xD35xH 83.2 cm	ESCB30	Las Mobilis	113603	FQ000789-2- ESCB30	USA1055 1-01	09/26/13	10/29/13	191.20	JOD 135.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	005
Low cabinet L90xD35xH 83.2 cm	ESCB31	Las Mobilis	113603	FQ000789-2- ESCB31	USA1055 1-01	09/26/13	10/29/13	191.20	JOD 135.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	006
Low cabinet L90xD35xH 83.2 cm	ESCB32	Las Mobilis	113603	FQ000789-2- ESCB32	USA1055 1-01	09/26/13	10/29/13	191.20	JOD 135.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	007
Low cabinet L90xD35xH 83.2 cm	ESCB33	Las Mobilis	113603	FQ000789-2- ESCB33	USA1055 1-01	09/26/13	10/29/13	191.20	JOD 135.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	008
Low cabinet L90xD35xH 83.2 cm	ESCB34	Las Mobilis	113603	FQ000789-2- ESCB34	USA1055 1-01	09/26/13	10/29/13	191.20	JOD 135.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	010
Low cabinet L90xD35xH 83.2 cm	ESCB35	Las Mobilis	113603	FQ000789-2- ESCB35	USA1055 1-01	09/26/13	10/29/13	191.20	JOD 135.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	014

Low cabinet L90xD35xH 83.2 cm	ESCB36	Las Mobilis	113603	FQ000789-2- ESCB36	USA1055 1-01	09/26/13	10/29/13	191.20	JOD 135.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	011
Low cabinet L90xD35xH 83.2 cm	ESCB37	Las Mobilis	113603	FQ000789-2- ESCB37	USA1055 1-01	09/26/13	10/29/13	191.20	JOD 135.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	011
Coffee Table L60xD60xH3 9.5 cm	ESCB38	Las Mobilis	155147	FQ000789-2- ESCB38	USA1055 1-01	09/26/13	10/29/13	85.56	JOD 60.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	014
Coffee Table L60xD60xH3 9.5 cm	ESCB39	Las Mobilis	155147	FQ000789-2- ESCB39	USA1055 1-01	09/26/13	10/29/13	85.56	JOD 60.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	005
Coffee Table L60xD60xH3 9.5 cm	ESCB40	Las Mobilis	155147	FQ000789-2- ESCB40	USA1055 1-01	09/26/13	10/29/13	85.56	JOD 60.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	006
Coffee Table L60xD60xH3 9.5 cm	ESCB41	Las Mobilis	155147	FQ000789-2- ESCB41	USA1055 1-01	09/26/13	10/29/13	85.56	JOD 60.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	008
Coffee Table L60xD60xH3 9.5 cm	ESCB42	Las Mobilis	155147	FQ000789-2- ESCB42	USA1055 1-01	09/26/13	10/29/13	85.56	JOD 60.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	009
Coffee Table L60xD60xH3 9.5 cm	ESCB43	Las Mobilis	155147	FQ000789-2- ESCB43	USA1055 1-01	09/26/13	10/29/13	85.56	JOD 60.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	007
Coffee Table L60xD60xH3 9.5 cm	ESCB44	Las Mobilis	155147	FQ000789-2- ESCB44	USA1055 1-01	09/26/13	10/29/13	85.56	JOD 60.75	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	001
Rectangular Meeting Table L 260 cm	ESCB45	Las Mobilis	106373	FQ000789-2- ESCB45	USA1055 1-01	09/26/13	10/29/13	327.46	JOD 232.50	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	004
Rectangular Meeting Table L 260 cm	ESCB46	Las Mobilis	106373	FQ000789-2- ESCB46	USA1055 1-01	09/26/13	10/29/13	327.46	JOD 232.50	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	004

Round Meeting Table/Metal Base L 120 cm	ESCB47	Las Mobilis	106093	FQ000789-2-ESCB47	USA1055 1-01	09/26/13	10/29/13	416.20	JOD 295.50	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	003
Meeting Chair	ESCB48	Euro Space	CAS2115	FQ000789-2-ESCB48	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	004
Meeting Chair	ESCB49	Euro Space	CAS2115	FQ000789-2-ESCB49	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	004
Meeting Chair	ESCB50	Euro Space	CAS2115	FQ000789-2-ESCB50	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	004
Meeting Chair	ESCB51	Euro Space	CAS2115	FQ000789-2-ESCB51	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	004
Meeting Chair	ESCB52	Euro Space	CAS2115	FQ000789-2-ESCB52	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	004
Meeting Chair	ESCB53	Euro Space	CAS2115	FQ000789-2-ESCB53	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	004
Meeting Chair	ESCB54	Euro Space	CAS2115	FQ000789-2-ESCB54	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	004
Meeting Chair	ESCB55	Euro Space	CAS2115	FQ000789-2-ESCB55	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	004
Meeting Chair	ESCB56	Euro Space	CAS2115	FQ000789-2-ESCB56	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	004
Meeting Chair	ESCB57	Euro Space	CAS2115	FQ000789-2-ESCB57	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	004
Meeting Chair	ESCB58	Euro Space	CAS2115	FQ000789-2-ESCB58	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	004
Meeting Chair	ESCB59	Euro Space	CAS2115	FQ000789-2-ESCB59	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	004
Meeting Chair	ESCB60	Euro Space	CAS2115	FQ000789-2-ESCB60	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	004
Meeting Chair	ESCB61	Euro Space	CAS2115	FQ000789-2-ESCB61	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	004
Guest Chair / Euro Space	ESCB62	Euro Space	CAC2915 KNF	FQ000789-2-ESCB62	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	002

Guest Chair / Euro Space	ESCB63	Euro Space	CAC2915 KNF	FQ000789-2-ESCB63	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	002
Guest Chair / Euro Space	ESCB64	Euro Space	CAC2915 KNF	FQ000789-2-ESCB64	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	002
Guest Chair / Euro Space	ESCB65	Euro Space	CAC2915 KNF	FQ000789-2-ESCB65	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	002
Guest Chair / Euro Space	ESCB66	Euro Space	CAC2915 KNF	FQ000789-2-ESCB66	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	003
Guest Chair / Euro Space	ESCB67	Euro Space	CAC2915 KNF	FQ000789-2-ESCB67	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	003
Guest Chair / Euro Space	ESCB68	Euro Space	CAC2915 KNF	FQ000789-2-ESCB68	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	003
Guest Chair / Euro Space	ESCB69	Euro Space	CAC2915 KNF	FQ000789-2-ESCB69	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	003
Guest Chair / Euro Space	ESCB70	Euro Space	CAC2915 KNF	FQ000789-2-ESCB70	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	014
Guest Chair / Euro Space	ESCB71	Euro Space	CAC2915 KNF	FQ000789-2-ESCB71	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	014
Guest Chair / Euro Space	ESCB72	Euro Space	CAC2915 KNF	FQ000789-2-ESCB72	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	005
Guest Chair / Euro Space	ESCB73	Euro Space	CAC2915 KNF	FQ000789-2-ESCB73	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	005
Guest Chair / Euro Space	ESCB74	Euro Space	CAC2915 KNF	FQ000789-2-ESCB74	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	006
Guest Chair / Euro Space	ESCB75	Euro Space	CAC2915 KNF	FQ000789-2-ESCB75	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	006
Guest Chair / Euro Space	ESCB76	Euro Space	CAC2915 KNF	FQ000789-2-ESCB76	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	008
Guest Chair / Euro Space	ESCB77	Euro Space	CAC2915 KNF	FQ000789-2-ESCB77	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	007
Guest Chair / Euro Space	ESCB78	Euro Space	CAC2915 KNF	FQ000789-2-ESCB78	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	008
Guest Chair / Euro Space	ESCB79	Euro Space	CAC2915 KNF	FQ000789-2-ESCB79	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	009

Guest Chair / Euro Space	ESCB80	Euro Space	CAC2915 KNF	FQ000789-2-ESCB80	USA1055 1-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	010
High Back Chair/ Mesh	ESCB81	Euro Space	GS2110	FQ000789-2-ESCB81	USA1055 1-01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	002
High Back Chair/ Mish	ESCB82	Euro Space	GS2110	FQ000789-2-ESCB82	USA1055 1-01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	002
High Back Chair/ Mish	ESCB83	Euro Space	GS2110	FQ000789-2-ESCB83	USA1055 1-01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	002
High Back Chair/ Mish	ESCB84	Euro Space	GS2110	FQ000789-2-ESCB84	USA1055 1-01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	002
High Back Chair/ Mish	ESCB85	Euro Space	GS2110	FQ000789-2-ESCB85	USA1055 1-01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	002
High Back Chair/ Mish	ESCB86	Euro Space	GS2110	FQ000789-2-ESCB86	USA1055 1-01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	001
High Back Chair/ Mish	ESCB87	Euro Space	GS2110	FQ000789-2-ESCB87	USA1055 1-01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	014
High Back Chair/ Mish	ESCB88	Euro Space	GS2110	FQ000789-2-ESCB88	USA1055 1-01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	014
High Back Chair/ Mish	ESCB89	Euro Space	GS2110	FQ000789-2-ESCB89	USA1055 1-01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	003
High Back Chair/ Mish	ESCB90	Euro Space	GS2110	FQ000789-2-ESCB90	USA1055 1-01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	003
High Back Chair/ Mish	ESCB91	Euro Space	GS2110	FQ000789-2-ESCB91	USA1055 1-01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	005
High Back Chair/ Mish	ESCB92	Euro Space	GS2110	FQ000789-2-ESCB92	USA1055 1-01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	006
High Back Chair/ Mish	ESCB93	Euro Space	GS2110	FQ000789-2-ESCB93	USA1055 1-01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	007
High Back Chair/ Mish	ESCB94	Euro Space	GS2110	FQ000789-2-ESCB94	USA1055 1-01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	007
High Back Chair/ Mish	ESCB95	Euro Space	GS2110	FQ000789-2-ESCB95	USA1055 1-01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	008
High Back Chair/ Mish	ESCB96	Euro Space	GS2110	FQ000789-2-ESCB96	USA1055 1-01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	009

High Back Chair/ Mish	ESCB97	Euro Space	GS2110	FQ000789-2-ESCB97	USA1055 1-01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	010
Photocopier Stand on Wheels	ESCB98	Las Mobilis	113409	FQ000789-2-ESCB98	USA1055 1-01	09/26/13	10/29/13	154.23	JOD 109.50	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	009
Photocopier Stand on Wheels	ESCB99	Las Mobilis	113409	FQ000789-2-ESCB99	USA1055 1-01	09/26/13	10/29/13	154.23	JOD 109.50	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	007
Photocopier Stand on Wheels	ESCB100	Las Mobilis	113409	FQ000789-2-ESCB100	USA1055 1-01	09/26/13	10/29/13	154.23	JOD 109.50	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	007
Single Arm Chair/ EuroSpace Solo	ESCB101	EuroSpace	SL2530	FQ000789-2-ESCB101	USA1055 1-01	09/26/13	10/29/13	202.82	JOD 144.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	001
Single Arm Chair/ EuroSpace Solo	ESCB102	EuroSpace	SL2531	FQ000789-2-ESCB102	USA1055 1-01	09/26/13	10/29/13	202.82	JOD 144.00	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	001
Linear Reception with 2 Glass top and Right-Left Storage	ESCB103	Las Mobilis	115337	FQ000789-2-ESCB103	USA1055 1-01	09/26/13	10/29/13	2232.11	JOD 1,584.80	Contractor Acquired Property	FQ0007 89-2	Amman, Jordan	Yes	Furniture	001
Laptop Dell Latitude with Software- Tareq Qubain	ESCB112	Dell	E5430	FSZZNX1	USA1055 1-01	10/31/13	10/31/13	2406.00	JOD 1,703.45	Contractor Acquired Property	14682	Amman, Jordan	Yes	Electronics	002

Laptop Dell Latitude with Software- Jamal Arja	ESCB111	Dell	E5430	7T00PX1	USA1055 1-01	10/31/13	10/31/13	2406.00	JOD 1,703.45	Contractor Acquired Property	14682	Amman, Jordan	Yes	Electronics	002
Laptop Dell Latitude with Software- Lama Abdelqader	ESCB110	Dell	E5430	3VPZNX1	USA1055 1-01	10/31/13	10/31/13	2406.00	JOD 1,703.45	Contractor Acquired Property	14682	Amman, Jordan	Yes	Electronics	002
Laptop Dell Latitude with Software- Majd Suleiman	ESCB109	Dell	E5430	B4V1LX1	USA1055 1-01	10/31/13	10/31/13	2406.00	JOD 1,703.45	Contractor Acquired Property	14682	Amman, Jordan	Yes	Electronics	007
Laptop Dell Latitude with Software- Suha Baggili	ESCB106	Dell	E5430	8NZZNX1	USA1055 1-01	10/31/13	10/31/13	2406.00	JOD 1,703.45	Contractor Acquired Property	14682	Amman, Jordan	Yes	Electronics	008
Laptop Dell Latitude with Software- Saja Jardaneh	ESCB105	Dell	E5430	GTPZNX1	USA1055 1-01	10/31/13	10/31/13	2406.00	JOD 1,703.45	Contractor Acquired Property	14682	Amman, Jordan	Yes	Electronics	009
Laptop Dell Latitude with Software- Mohammad Maaytah	ESCB113	Dell	E5430	5TZZNX1	USA1055 1-01	10/31/13	10/31/13	2406.00	JOD 1,703.45	Contractor Acquired Property	14682	Amman, Jordan	Yes	Electronics	002

Laptop Dell Latitude with Software-Jenine Jaradat	ESCB108	Dell	E5430	BM00PX1	USA1055 1-01	10/31/13	10/31/13	2406.00	JOD 1,703.45	Contractor Acquired Property	14682	Amman, Jordan	Yes	Electronics	007
Laptop Dell Latitude with Software-Adam Atari	ESCB107	Dell	E5430	H9YZNX1	USA1055 1-01	10/31/13	10/31/13	2406.00	JOD 1,703.45	Contractor Acquired Property	14682	Amman, Jordan	Yes	Electronics	010
Laptop Dell Latitude with Software-Alaa Aloul	ESCB104	Dell	E5430	6MZZNX1	USA1055 1-01	10/31/13	10/31/13	2406.00	JOD 1,703.45	Contractor Acquired Property	14682	Amman, Jordan	Yes	Electronics	014
Laptop Dell Latitude with Software-May Bseiso	ESCB114	Dell	E5430	FB3JRY1	USA1055 1-01	11/25/13	12/02/13	1751.41	JOD 1,240.00	Contractor Acquired Property	16703	Amman, Jordan	Yes	Electronics	001
Cell Phone/Short term consultant	ESCB115	Nokia	100	3823772	USA1055 1-01	08/22/13	08/22/13	31.07	JOD 22.00	Contractor Acquired Property	3382	Amman, Jordan	Yes	Electronics	014
Cell Phone/Short term consultant	ESCB116	Nokia	100	3819499	USA1055 1-01	08/22/13	08/22/13	31.07	JOD 22.00	Contractor Acquired Property	3382	Amman, Jordan	Yes	Electronics	014
Cell Phone/Short term consultant	ESCB117	Nokia	100	3630737	USA1055 1-01	09/22/13	09/22/13	28.25	JOD 20.00	Contractor Acquired Property	NA	Amman, Jordan	Yes	Electronics	014

Cell Phone/Short term consultant	ESCB118	Nokia	100	3819713	USA1055 1-01	09/22/13	09/22/13	28.25	JOD 20.00	Contractor Acquired Property	NA	Amman, Jordan	Yes	Electronics	014
Cell Phone/Short term consultant	ESCB119	Nokia	100	1444784	USA1055 1-01	09/25/13	09/25/13	28.25	JOD 20.00	Contractor Acquired Property	8891	Amman, Jordan	Yes	Electronics	014
Cell Phone/Short term consultant	ESCB120	Nokia	100	3819630	USA1055 1-01	09/26/13	09/26/13	28.25	JOD 20.00	Contractor Acquired Property	5401	Amman, Jordan	Yes	Electronics	014
Cell Phone/Short term consultant	ESCB121	Nokia	100	3879246	USA1055 1-01	09/26/13	09/26/13	28.25	JOD 20.00	Contractor Acquired Property	5401	Amman, Jordan	Yes	Electronics	014
Cell Phone/Broken	ESCB122	Nokia	100	3879287	USA1055 1-01	09/26/13	09/26/13	28.25	JOD 20.00	Contractor Acquired Property	5401	Amman, Jordan	Yes	Electronics	014
Printer	ESCB123	Canon	Pixma MX 454	CIJFA10BK103 87	USA1055 1-01	09/24/13	09/24/13	103.11	JOD 73.00	Contractor Acquired Property	14013	Amman, Jordan	Yes	Electronics	014
Printer	ESCB124	HP	Pro 200	CND8F7Z37R	USA1055 1-01	10/22/13	10/22/13	416.67	JOD 295.00	Contractor Acquired Property	14492	Amman, Jordan	Yes	Electronics	001
Printer	ESCB125	HP	Pro 200	CND8F9047R	USA1055 1-01	10/22/13	10/22/13	416.67	JOD 295.00	Contractor Acquired Property	14492	Amman, Jordan	Yes	Electronics	009
Printer	ESCB126	HP	Pro400	CND8F7840N	USA1055 1-01	10/22/13	10/22/13	840.40	JOD 595.00	Contractor Acquired Property	14492	Amman, Jordan	Yes	Electronics	007
Kitchen Unites	ESCB127	Tabbaa	Unknown	2218- ESCB127	USA1055 1-01	11/11/13	11/27/13	2514.12	JOD 1,780.00	Contractor Acquired Property	2218	Amman, Jordan	Yes	Furniture	013
Photocopier	ESCB128	Canon	IRC 2225 i	21LYE13199	USA1055 1-01	11/27/13	11/27/13	3813.56	JOD 2,700.00	Contractor Acquired Property	3969	Amman, Jordan	Yes	Electronics	008
Microwave	ESCB129	Sharp	R-75MT (S)	308411174	USA1055 1-01	11/12/13	11/12/13	114.41	JOD 81.00	Contractor Acquired Property	2005	Amman, Jordan	Yes	Office Equipment	013
Refrigerator	ESCB130	Sharp	SJ-43S	L130800018	USA1055 1-01	11/12/13	11/12/13	543.79	JOD 385.00	Contractor Acquired Property	2004	Amman, Jordan	Yes	Office Equipment	013

Coffee Maker	ESCB131	AEG	KF-5255	23200152	USA1055 1-01	11/03/13	11/03/13	96.05	JOD 68.00	Contractor Acquired Property	33792	Amman, Jordan	Yes	Office Equipment	013
Coffee Maker	ESCB132	AEG	KF-5255	23200266	USA1055 1-01	11/03/13	11/03/13	96.05	JOD 68.00	Contractor Acquired Property	33792	Amman, Jordan	Yes	Office Equipment	004
Water purifier	ESCB133	Bio Family	Unknown	PEJO05C0E01 385A0204	USA1055 1-01	11/17/13	11/17/13	169.49	JOD 120.00	Contractor Acquired Property	632	Amman, Jordan	Yes	Office Equipment	013
Water purifier	ESCB134	Bio Family	Unknown	PEjJO04C0E2 1384A0517	USA1055 1-01	11/13/13	11/13/13	176.55	JOD 125.00	Contractor Acquired Property	3058	Amman, Jordan	Yes	Office Equipment	004
Access Controller	ESCB135	NA	Unknown	281304009531 0	USA1055 1-01	11/05/13	11/05/13	169.49	JOD 120.00	Contractor Acquired Property	203	Amman, Jordan	Yes	Electronics	001
Single Door Electro Magnetic	ESCB136	NA	Unknown	281211008574 1	USA1055 1-01	11/05/13	11/05/13	183.62	JOD 130.00	Contractor Acquired Property	203	Amman, Jordan	Yes	Electronics	001
Security Cam	ESCB137	HIK	HIK 600	417991153	USA1055 1-01	11/05/13	11/05/13	127.12	JOD 90.00	Contractor Acquired Property	203	Amman, Jordan	Yes	Electronics	001
Security Cam	ESCB138	HIK	HIK 600	DS23405	USA1055 1-01	11/05/13	11/05/13	127.12	JOD 90.00	Contractor Acquired Property	203	Amman, Jordan	Yes	Electronics	001
Security Cam	ESCB139	HIK	HIK 600	DS23406	USA1055 1-01	11/05/13	11/05/13	127.12	JOD 90.00	Contractor Acquired Property	203	Amman, Jordan	Yes	Electronics	007
4 CH DVR+ 1 TB HDD	ESCB140	HIK	7000	428612453	USA1055 1-01	11/05/13	11/05/13	529.66	JOD 375.00	Contractor Acquired Property	203	Amman, Jordan	Yes	Electronics	012
LCD 22"	ESCB141	Toshiba	24P1300 EE	D34V76A1435 5C1	USA1055 1-01	11/05/13	11/05/13	310.73	JOD 220.00	Contractor Acquired Property	203	Amman, Jordan	Yes	Electronics	001
LCD 22"	ESCB142	Toshiba	24P1300 EE	D34V76A1580 9C1	USA1055 1-01	11/05/13	11/05/13	310.73	JOD 220.00	Contractor Acquired Property	203	Amman, Jordan	Yes	Electronics	014
Server Cabinet 38 U	ESCB143	E Cabinet	Unknown	202-ESCB143	USA1055 1-01	10/31/13	10/31/13	656.78	JOD 465.00	Contractor Acquired Property	202	Amman, Jordan	Yes	Electronics	012
Patch Panel	ESCB144	Datwyler	Unknown	202-ESCB144	USA1055 1-01	10/31/13	10/31/13	112.99	JOD 80.00	Contractor Acquired Property	202	Amman, Jordan	Yes	Electronics	012
Smart Phone/ Grayson Heffner	ESCB145	Apple	5S 16 G	357998058005 129	USA1055 1-01	12/01/13	12/01/13	543.79	JOD 385.00	Contractor Acquired Property	POS273 9353	Amman, Jordan	Yes	Electronics	Grayson Heffner

Smart Phone/ Mary Worzala	ESCB146	Samsung	S4	358918052960 102	USA1055 1-01	12/01/13	12/01/13	338.98	JOD 240.00	Contractor Acquired Property	POS273 9377	Amman, Jordan	Yes	Electronics	Mar y Woz ala
Data Show	ESCB147	Epson	EB-X 11	PU3K3300141	USA1055 1-01	11/10/13	11/10/13	798.02	JOD 565.00	Contractor Acquired Property	2896	Amman, Jordan	Yes	Electronics	004
Vehicle	ESCB148	Dodge	Durango Crew	1C4DJDC5DC 565115	USA1055 1-01	09/23/13	11/18/13	41300.0 0	JOD 29,240.40	Contractor Acquired Property	VS 10/2013	Amman, Jordan	Yes	Automotive	NA
Coat Hanger	ESCB149	Forsit	120900	FQ000842-2	USA1055 1-01	11-27-13	8/12/201 3	123.59	JOD 87.50	Contractor Acquired Property	FQ0008 42-2	Amman, Jordan	Yes	Furniture	014
Coat Hanger	ESCB150	Forsit	120900	FQ000842-2	USA1055 1-01	11-27-13	8/12/201 3	123.59	JOD 87.50	Contractor Acquired Property	FQ0008 42-2	Amman, Jordan	Yes	Furniture	002
Coat Hanger	ESCB151	Forsit	120900	FQ000842-2	USA1055 1-01	11-27-13	8/12/201 3	123.59	JOD 87.50	Contractor Acquired Property	FQ0008 42-2	Amman, Jordan	Yes	Furniture	003
Coat Hanger	ESCB152	Forsit	120900	FQ000842-2	USA1055 1-01	11-27-13	8/12/201 3	123.59	JOD 87.50	Contractor Acquired Property	FQ0008 42-2	Amman, Jordan	Yes	Furniture	007
Coat Hanger	ESCB153	Forsit	120900	FQ000842-2	USA1055 1-01	11-27-13	8/12/201 3	123.59	JOD 87.50	Contractor Acquired Property	FQ0008 42-2	Amman, Jordan	Yes	Furniture	005
Coat Hanger	ESCB154	Forsit	120900	FQ000842-2	USA1055 1-01	11-27-13	8/12/201 3	123.59	JOD 87.50	Contractor Acquired Property	FQ0008 42-2	Amman, Jordan	Yes	Furniture	008
External Hard Drive 2 TB	ESCB155	WD	WDBU^Y 0020BBK- EESN	WXA1E63FZH J2	USA1055 1-01	10/11/201 3	11-28-13	149.72	JOD 106.00	Contractor Acquired Property	826	Amman, Jordan	Yes	Electronics	012
Expansion Desktop 2 TB	ESCB156	Seagate	SRD00F2	NA4M30R9	USA1055 1-01	10/11/201 3	11-28-13	158.19	JOD 112.00	Contractor Acquired Property	826	Amman, Jordan	Yes	Electronics	012
UPS	ESCB158	Tripp.Lite	SMARTIN T 2200VS	2315JY0SM67 2500017	USA1055 1-01	10/11/201 3	11-28-13	501.41	JOD 355.00	Contractor Acquired Property	826	Amman, Jordan	Yes	Electronics	012
PoE Switch	ESCB159	HP	J9138A# ABB	245DZ0PX	USA1055 1-01	10/11/201 3	11-28-13	776.84	JOD 550.00	Contractor Acquired Property	826	Amman, Jordan	Yes	Electronics	012
NAS Storage	ESCB160	Synology	DS412+	D9LIN00966	USA1055 1-01	10/11/201 3	11-28-13	833.33	JOD 590.00	Contractor Acquired Property	826	Amman, Jordan	Yes	Electronics	012
Firewall	ESCB161	Fortinet	60D	FGT60D46130 00475	USA1055 1-01	10/11/201 3	11-28-13	1009.89	JOD 715.00	Contractor Acquired Property	826	Amman, Jordan	Yes	Electronics	012
Access Point	ESCB162	Aruba	AP-93	BU0119743	USA1055 1-01	10/11/201 3	11-28-13	282.49	JOD 200.00	Contractor Acquired Property	826	Amman, Jordan	Yes	Electronics	001

Access Point	ESCB163	Aruba	AP-93	BU011945	USA1055 1-01	10/11/201 3	11-28-13	282.49	JOD 200.00	Contractor Acquired Property	826	Amman, Jordan	Yes	Electronics	007
Access Point	ESCB164	Aruba	AP-93	BU0119746	USA1055 1-01	10/11/201 3	11-28-13	282.49	JOD 200.00	Contractor Acquired Property	826	Amman, Jordan	Yes	Electronics	008
Access Point	ESCB165	Aruba	AP-93	BU0119749	USA1055 1-01	10/11/201 3	11-28-13	282.49	JOD 200.00	Contractor Acquired Property	826	Amman, Jordan	Yes	Electronics	002
Server+WinS vrdStd 2012+WinSvr Cal 2012+Kasper Sky+WinSvrd Std DiskKit 2012 64 Bit	ESCB166	HP	DL 380e	CZJ34Z0ZHW	USA1055 1-01	10/11/201 3	11-28-13	3718.93	JOD 2,633.00	Contractor Acquired Property	826	Amman, Jordan	Yes	Electronics	012
Hard disk 1 TB	ESCB167	Seagate	WD10EF RX- 68PJCNO	WD- WCC4J089918 9	USA1055 1-01	10/11/201 3	11-28-13	91.81	JOD 65.00	Contractor Acquired Property	826	Amman, Jordan	Yes	Electronics	012
Hard disk 1 TB	ESCB168	Seagate	WD10EF RX- 68PJCNO	WD- WCC4J090505 9	USA1055 1-01	10/11/201 3	11-28-13	91.81	JOD 65.00	Contractor Acquired Property	826	Amman, Jordan	Yes	Electronics	012
Hard disk 1 TB	ESCB169	Seagate	WD10EF RX- 68PJCNO	WD- WCC4J090035 4	USA1055 1-01	10/11/201 3	11-28-13	91.81	JOD 65.00	Contractor Acquired Property	826	Amman, Jordan	Yes	Electronics	012
Hard disk 1 TB	ESCB170	Seagate	WD10EF RX- 68PJCNO	WD- WCC4J091389 0	USA1055 1-01	10/11/201 3	11-28-13	91.81	JOD 65.00	Contractor Acquired Property	826	Amman, Jordan	Yes	Electronics	012
Control Unit+SD card+ipo License	ESCB171	Avaya	IP 500 v2	13WZ06100AA 7	USA1055 1-01	09-26-13	5/11/201 3	646.23	JOD 457.53	Contractor Acquired Property	18	Amman, Jordan	Yes	Electronics	012
Extension Card Dgtl STA 8	ESCB172	Avaya	PCS05	13WZ13600M U3	USA1055 1-01	09-26-13	5/11/201 3	282.49	JOD 200.00	Contractor Acquired Property	18	Amman, Jordan	Yes	Electronics	012
Extension Card Dgtl STA 8	ESCB173	Avaya	PCS05	13WZ13600M K5	USA1055 1-01	09-26-13	5/11/201 3	282.49	JOD 200.00	Contractor Acquired Property	18	Amman, Jordan	Yes	Electronics	012

IP 500 compo card ATM 4	ESCB174	Avaya	PCS08	13WZ050005D7	USA1055 1-01	09-26-13	5/11/2013	317.80	JOD 225.00	Contractor Acquired Property	18	Amman, Jordan	Yes	Electronics	012
Digital Phone	ESCB175	Avaya	1416	13WZ09670634	USA1055 1-01	09-26-13	5/11/2013	141.24	JOD 100.00	Contractor Acquired Property	18	Amman, Jordan	Yes	Electronics	001
Digital Phone	ESCB176	Avaya	1408	13WZ1227042V	USA1055 1-01	09-26-13	5/11/2013	127.12	JOD 90.00	Contractor Acquired Property	18	Amman, Jordan	Yes	Electronics	006
Digital Phone	ESCB177	Avaya	1408	13WZ1227044J	USA1055 1-01	09-26-13	5/11/2013	127.12	JOD 90.00	Contractor Acquired Property	18	Amman, Jordan	Yes	Electronics	005
Digital Phone	ESCB178	Avaya	1403	13WZ0267080Z	USA1055 1-01	09-26-13	5/11/2013	74.86	JOD 53.00	Contractor Acquired Property	18	Amman, Jordan	Yes	Electronics	007
Digital Phone	ESCB179	Avaya	1403	13WZ022704WG	USA1055 1-01	09-26-13	5/11/2013	74.86	JOD 53.00	Contractor Acquired Property	18	Amman, Jordan	Yes	Electronics	007
Digital Phone	ESCB180	Avaya	1403	13WZ026707YA	USA1055 1-01	09-26-13	5/11/2013	74.86	JOD 53.00	Contractor Acquired Property	18	Amman, Jordan	Yes	Electronics	008
Digital Phone	ESCB181	Avaya	1403	13WZ026707WD	USA1055 1-01	09-26-13	5/11/2013	74.86	JOD 53.00	Contractor Acquired Property	18	Amman, Jordan	Yes	Electronics	009
Digital Phone	ESCB182	Avaya	1403	13WZ0267080E	USA1055 1-01	09-26-13	5/11/2013	74.86	JOD 53.00	Contractor Acquired Property	18	Amman, Jordan	Yes	Electronics	010
Digital Phone	ESCB183	Avaya	1403	13WZ333700L2	USA1055 1-01	09-26-13	5/11/2013	74.86	JOD 53.00	Contractor Acquired Property	18	Amman, Jordan	Yes	Electronics	003
Digital Phone	ESCB184	Avaya	1403	13WZ1347020K	USA1055 1-01	09-26-13	5/11/2013	74.86	JOD 53.00	Contractor Acquired Property	18	Amman, Jordan	Yes	Electronics	002
Digital Phone	ESCB185	Avaya	1403	13WZ0267080U	USA1055 1-01	09-26-13	5/11/2013	74.86	JOD 53.00	Contractor Acquired Property	18	Amman, Jordan	Yes	Electronics	002
Digital Phone	ESCB186	Avaya	1403	13WZ13470201	USA1055 1-01	09-26-13	5/11/2013	74.86	JOD 53.00	Contractor Acquired Property	18	Amman, Jordan	Yes	Electronics	002
Digital Phone	ESCB187	Avaya	1403	13WZ026707YM	USA1055 1-01	09-26-13	5/11/2013	74.86	JOD 53.00	Contractor Acquired Property	18	Amman, Jordan	Yes	Electronics	002
Digital Phone	ESCB188	Avaya	1403	13WZ134701ZN	USA1055 1-01	09-26-13	5/11/2013	74.86	JOD 53.00	Contractor Acquired Property	18	Amman, Jordan	Yes	Electronics	002
Digital Phone	ESCB189	Avaya	1403	13WZ134701WD	USA1055 1-01	09-26-13	5/11/2013	74.86	JOD 53.00	Contractor Acquired Property	18	Amman, Jordan	Yes	Electronics	014
Digital Phone	ESCB190	Avaya	1403	13WZ1347021P	USA1055 1-01	09-26-13	5/11/2013	74.86	JOD 53.00	Contractor Acquired Property	18	Amman, Jordan	Yes	Electronics	014

Digital Phone	ESCB191	Avaya	1408	13WZ1337055 5	USA1055 1-01	01-29-14	2/2/2014	127.12	JOD 90.00	Contractor Acquired Property	4	Amman, Jordan	Yes	Electronics	004
B&W Printer	ESCB192	HP	P1102w	VNF5802311	USA1055 1-01	02-13-14	02-15-14	121.47	JOD 86.00	Contractor Acquired Property	16117	Amman, Jordan	Yes	Electronics	014
Door Phone	ESCB193	ALGO	3226S	1225AK0178	USA1055 1-01	12-18-13	12-29-13	487.29	JOD 345.00	Contractor Acquired Property	26	Amman, Jordan	Yes	Electronics	001
Monitor	ESCB194	HP	W2371d	6CM333006H	USA1055 1-01	01-26-14	01-26-14	164.77	JOD 116.66	Contractor Acquired Property	15872	Amman, Jordan	Yes	Electronics	002
Monitor	ESCB195	HP	W2371d	6CM33300WH	USA1055 1-01	01-26-14	01-26-14	164.77	JOD 116.66	Contractor Acquired Property	15872	Amman, Jordan	Yes	Electronics	002
Monitor	ESCB196	HP	W2371d	6CM333006N	USA1055 1-01	01-26-14	01-26-14	164.77	JOD 116.66	Contractor Acquired Property	15872	Amman, Jordan	Yes	Electronics	002
Desk 140 cm+Pedestal 2 Drawers	ESCB197	Las Mobilis	106354	FQ000904-2- ESCB197	USA1055 1-01	01-20-14	01-27-14	297.18	JOD 210.40	Contractor Acquired Property	FQ0009 04-2	Amman, Jordan	Yes	Furniture	003
Desk 140 cm+Pedestal 2 Drawers	ESCB198	Las Mobilis	106354	FQ000904-2- ESCB198	USA1055 1-01	01-20-14	01-27-14	297.18	JOD 210.40	Contractor Acquired Property	FQ0009 04-2	Amman, Jordan	Yes	Furniture	003
Front Panel L 140 cm	ESCB199	Las Mobilis	106292	FQ000904-2- ESCB199	USA1055 1-01	01-20-14	01-27-14	84.75	JOD 60.00	Contractor Acquired Property	FQ0009 04-2	Amman, Jordan	Yes	Furniture	003
High Back Chair/ Mish	ESCB200	Euro Space	GS2110	FQ000904-2- ESCB200	USA1055 1-01	01-20-14	01-27-14	318.15	JOD 225.25	Contractor Acquired Property	FQ0009 04-2	Amman, Jordan	Yes	Furniture	003
High Back Chair/ Mish	ESCB201	Euro Space	GS2110	FQ000904-2- ESCB201	USA1055 1-01	01-20-14	01-27-14	318.15	JOD 225.25	Contractor Acquired Property	FQ0009 04-2	Amman, Jordan	Yes	Furniture	003
Monitor	ESCB202	HP	W2371d	6CM33300X0	USA1055 1-01	9/2/2014	10/2/201 4	165.25	JOD 117.00	Contractor Acquired Property	16060	Amman, Jordan	Yes	Electronics	006
Monitor	ESCB203	HP	W2371d	6CM33300WZ	USA1055 1-01	9/2/2014	10/2/201 4	165.25	JOD 117.00	Contractor Acquired Property	16060	Amman, Jordan	Yes	Electronics	005
Digital Recorder	ESCB204	Sony	ICD- PX333	1306235	USA1055 1-01	02-26-14	2/3/2014	112.99	JOD 80.00	Contractor Acquired Property	15065	Amman, Jordan	Yes	Electronics	014
Digital Recorder	ESCB205	Sony	ICD- PX333	1306234	USA1055 1-01	02-26-14	2/3/2014	112.99	JOD 80.00	Contractor Acquired Property	15065	Amman, Jordan	Yes	Electronics	014
Digital Recorder	ESCB206	Sony	ICD- PX333	1306233	USA1055 1-01	02-26-14	2/3/2014	112.99	JOD 80.00	Contractor Acquired Property	15065	Amman, Jordan	Yes	Electronics	014

Digital Camera 16 G	ESCB207	Nikon	D3100	8867587	USA1055 1-01	01-20-14	01-28-14	563.56	JOD 399.00	Contractor Acquired Property	164	Amman, Jordan	Yes	Electronics	014
Shredder	ESCB208	Fellowes	P48C	CRC32148	USA1055 1-01	04-24-14	04-28-14	96.05	JOD 68.00	Contractor Acquired Property	167	Amman, Jordan	Yes	Electronics	ME MR
Desk 140 cm+Pedestal 2 Drawers	ESCB209	Las Mobilis	106354	FQ001007-2ESCB209	USA1055 1-01	11/3/2014	03-18-2014	297.18	JOD 210.40	Contractor Acquired Property	FQ0010 07-2	Amman, Jordan	Yes	Furniture	10
Desk 140 cm+Pedestal 2 Drawers	ESCB210	Las Mobilis	106354	FQ001007-2ESCB210	USA1055 1-01	11/3/2014	03-18-2014	297.18	JOD 210.40	Contractor Acquired Property	FQ0010 07-2	Amman, Jordan	Yes	Furniture	10
High Back Chair/ Black Vinyl	ESCB211	Euro Space	MS2910F	FQ001007-2ESCB211	USA1055 1-01	11/3/2014	03-18-2014	336.86	JOD 238.50	Contractor Acquired Property	FQ0010 07-2	Amman, Jordan	Yes	Furniture	10
High Back Chair/ Black Vinyl	ESCB212	Euro Space	MS2910F	FQ001007-2ESCB212	USA1055 1-01	11/3/2014	03-18-2014	336.86	JOD 238.50	Contractor Acquired Property	FQ0010 07-2	Amman, Jordan	Yes	Furniture	10
Shredder	ESCB213	Fellowes	79CI	131217AC001 2864	USA1055 1-01	04-24-14	04-27-14	353.11	JOD 250.00	Contractor Acquired Property	158	Amman, Jordan	Yes	Electronics	007
Printer	ESCB214	HP	Pro 200	CND8FDZ3FG	USA1055 1-01	05/04/14	05/07/14	387.01	JOD 274.00	Contractor Acquired Property	17706	Amman, Jordan	Yes	Electronics	ME MR
Water purifier	ESCB215	Bio Family	Unknown	PEJO04C0E21 432B0017	USA1055 1-01	04-28-14	04/05/14	158.19	JOD 112.00	Contractor Acquired Property	3358	Amman, Jordan	Yes	Office Equipment	ME MR
Coffe Maker	ESCB216	AEG	CM2052	3800139	USA1055 1-01	04-30-14	5/4/2014	101.06	JOD 71.55	Contractor Acquired Property	8E+07	Amman, Jordan	Yes	Office Equipment	ME MR
Laptop HP with Software-Faraj Abu Nofal	ESCB217	HP	ProBook 650	CNU410DCVR	USA1055 1-01	02-27-14	03-24-14	1286.72	JOD 911.00	Contractor Acquired Property	151	Amman, Jordan	Yes	Electronics	014
Desk Tower	ESCB218	HP	Elite Desk 800	TRF4080P1H	USA1055 1-01	02-27-14	03-24-14	1118.64	JOD 792.00	Contractor Acquired Property	151	Amman, Jordan	Yes	Electronics	003

Monitor 23 inch	ESCB219	HP	Pavilion 23 xi	3CM3520B43	USA1055 1-01	02-27-14	03-24-14	201.98	JOD 143.00	Contractor Acquired Property	151	Amman, Jordan	Yes	Electronics	003
Desk 140 cm+ Lateral Extension+Pedestal 3 Drawers	ESCB220	NA	NA	NA	USA1055 1-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	ME MR
Desk 140 cm+ Lateral Extension+Pedestal 3 Drawers	ESCB221	NA	NA	NA	USA1055 1-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	ME MR
Desk 140 cm+ Lateral Extension+Pedestal 3 Drawers	ESCB222	NA	NA	NA	USA1055 1-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	ME MR
Desk 140 cm+ Lateral Extension	ESCB223	NA	NA	NA	USA1055 1-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	ME MR
Desk 140 cm+ Lateral Extension	ESCB224	NA	NA	NA	USA1055 1-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	ME MR
Desk 140 cm	ESCB225	NA	NA	NA	USA1055 1-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	ME MR
Round Table	ESCB226	NA	NA	NA	USA1055 1-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	ME MR
Employee Chair	ESCB227	NA	NA	NA	USA1055 1-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	ME MR
Employee Chair	ESCB228	NA	NA	NA	USA1055 1-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	ME MR
Employee Chair	ESCB229	NA	NA	NA	USA1055 1-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	ME MR
Employee Chair	ESCB230	NA	NA	NA	USA1055 1-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	ME MR

Employee Chair	ESCB231	NA	NA	NA	USA1055 1-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	ME MR
Employee Chair	ESCB232	NA	NA	NA	USA1055 1-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	ME MR
Employee Chair	ESCB233	NA	NA	NA	USA1055 1-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	ME MR
Employee Chair	ESCB234	NA	NA	NA	USA1055 1-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	ME MR
Guest Chair	ESCB235	NA	NA	NA	USA1055 1-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	ME MR
Guest Chair	ESCB236	NA	NA	NA	USA1055 1-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	ME MR
Guest Chair	ESCB237	NA	NA	NA	USA1055 1-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	ME MR
Air Conditioner	ESCB238	Gree	GM12CP	4847530023100	USA1055 1-01	1/6/2014	8/6/2014	425.14	JOD 301.00	Contractor Acquired Property	799	Amman, Jordan	Yes	Electronics	012
Fridge	ESCB239	Beko	TSE 1351	13-103215-11	USA1055 1-01	08-17-14	08-20-14	216.10	JOD 153.00	Contractor Acquired Property	69197	Amman, Jordan	Yes	Electronics	ME MR
Fan	ESCB240	KDK	C3TRK	306	USA1055 1-01	08-17-14	08-24-14	112.63	JOD 79.74	Contractor Acquired Property	8E+07	Amman, Jordan	Yes	Electronics	10
					USA1055 1-01			0.00	JOD -	Contractor Acquired Property		Amman, Jordan	Yes		
					USA1055 1-01			0.00	JOD -	Contractor Acquired Property		Amman, Jordan	Yes		
					USA1055 1-01			0.00	JOD -	Contractor Acquired Property		Amman, Jordan	Yes		
					USA1055 1-01			0.00	JOD -	Contractor Acquired Property		Amman, Jordan	Yes		
					USA1055 1-01			0.00	JOD -	Contractor Acquired Property		Amman, Jordan	Yes		
					USA1055 1-01			0.00	JOD -	Contractor Acquired Property		Amman, Jordan	Yes		
					USA1055 1-01			0.00	JOD -	Contractor Acquired Property		Amman, Jordan	Yes		
					USA1055 1-01			0.00	JOD -	Contractor		Amman, Jordan	Yes		

					USA1055 1-01					Acquired Property		Jordan			
					USA1055 1-01			0.00	JOD -	Contractor Acquired Property		Amman, Jordan	Yes		
					USA1055 1-01			0.00	JOD -	Contractor Acquired Property		Amman, Jordan	Yes		
					USA1055 1-01			0.00	JOD -	Contractor Acquired Property		Amman, Jordan	Yes		
					USA1055 1-01			0.00	JOD -	Contractor Acquired Property		Amman, Jordan	Yes		
					USA1055 1-01			0.00	JOD -	Contractor Acquired Property		Amman, Jordan	Yes		

USAID Jordan Energy Sector Capacity Building Activity
Saqra Building # 238(C), 6th Floor
Arar Street
Amman, Jordan