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# JORDAN ENERGY SECTOR CAPACITY BUILDING ACTIVITY QUARTERLY PERFORMANCE REPORT

QUARTERLY REPORTING PERIOD  
From October 1 – December 31, 2014

January 26, 2015 (Submitted)

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FROM OCTOBER 1 – DECEMBER 31, 2014

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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## DISCLAIMER:

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# CONTENTS

<b>TABLE OF ACRONYMS .....</b>	<b>1</b>
<b>EXECUTIVE SUMMARY .....</b>	<b>3</b>
<b>TASK 1: DESIGN A UTILITIES INCENTIVE MECHANISM TO PROMOTE ENERGY EFFICIENCY .....</b>	<b>5</b>
KEY ACCOMPLISHMENTS .....	5
DSM project development.....	6
Jordan Household Load Survey.....	6
ACTIVITY FORECAST.....	6
<b>TASK 2: BUILD CAPACITY OF THE ENERGY SECTOR.....</b>	<b>7</b>
KEY ACCOMPLISHMENTS .....	7
Provide technical assistance to EE Department under MEMR.....	7
Operationalizing the Jordan Renewable Energy and Energy Efficiency Fund .....	9
Variable Renewable Energy Resources Grid Codes.....	10
ACTIVITY FORECAST.....	10
<b>TASK 3: DEVELOP SUSTAINABLE ENERGY SERVICES INDUSTRY .....</b>	<b>11</b>
KEY ACCOMPLISHMENTS .....	11
CMVP training and certification exam.....	11
Establish publically available database of the highest energy consuming businesses .....	11
Licensing of energy auditors .....	12
Train ESPs on the development of business and marketing plans .....	12
Eco-Cities of the Mediterranean Forum 2014.....	13
Jordan Coalition of Energy Associations .....	13
ESCO Association strategy development.....	13
GBC and EDAMA market research .....	14
ACTIVITY FORECAST.....	14
<b>TASK 4: RESPOND TO ENERGY SECTOR OPPORTUNITIES .....</b>	<b>15</b>
KEY ACCOMPLISHMENTS .....	15
Installation of solar photovoltaic (PV) arrays at two buildings of the GOJ .....	15
Provide assistance to MEMR and GAM in developing a waste-to-energy tender .....	16
ACTIVITY FORECAST.....	16
<b>CROSS-CUTTING AREAS: GENDER &amp; INCLUSION.....</b>	<b>18</b>
KEY ACCOMPLISHMENTS .....	18
Gender Inclusion .....	18
Youth Inclusion.....	19
ACTIVITY FORECAST.....	19

<b>PROJECT MANAGEMENT &amp; OPERATIONS.....</b>	<b>20</b>
KEY ACCOMPLISHMENTS .....	20
Human Resources .....	20
Outreach & Communications .....	20
Social Media.....	21
<b>PERFORMANCE MONITORING.....</b>	<b>23</b>
FY15 TARGETS.....	23
INDICATOR 3: NUMBER OF INSTITUTIONS RECEIVING TECHNICAL ASSISTANCE DUE TO USG ASSISTANCE.....	26
INDICATOR 7: NUMBER OF MEGAWATTS INSTALLED THROUGH ALTERNATIVE ENERGY PROJECTS IN JORDAN SUPPORTED BY USG ASSISTANCE.....	27
INDICATOR 11: PROPORTION OF FEMALE PARTICIPANTS IN USG-ASSISTED PROGRAMS DESIGNED TO INCREASE ACCESS TO PRODUCTIVE ECONOMIC RESOURCES .....	28
INDICATOR 12: PERSON HOURS OF TRAINING COMPLETED IN TECHNICAL ENERGY FIELD SUPPORTED BY USG ASSISTANCE .....	29
<b>APPENDIX .....</b>	<b>30</b>
I.    JREEEF BYLAW .....	30
II.   STTA PROVIDED DURING THE QUARTER .....	36
III.  DELIVERABLES COMPLETED DURING THIS QUARTER.....	36
IV.  UPDATED DELIVERABLES SCHEDULE.....	37
V.    PROJECT INVENTORY LIST.....	43

# TABLE OF ACRONYMS

<b>Term</b>	<b>Definition</b>
<b>AEE</b>	Association of Energy Engineers
<b>CMVP</b>	Certified Measurement & Verification Professional
<b>CWEEL</b>	Women in Environmental and Energy Leadership
<b>DISCO</b>	Distribution Companies
<b>DSM</b>	Demand-side Management
<b>EDCO</b>	Electricity Distribution Company
<b>EE</b>	Energy Efficiency
<b>EMRC</b>	Energy and Minerals Regulatory Commission
<b>ESCB</b>	Energy Sector Capacity Building Activity
<b>ESCO</b>	Energy Service Company
<b>ESP</b>	Energy Service Provider
<b>FEMP</b>	Federal Energy Management Program
<b>GAM</b>	Greater Amman Municipality
<b>GhG</b>	Greenhouse Gas
<b>GoJ</b>	Government of Jordan
<b>HUDC</b>	Housing and Urban Development Corporation
<b>IDECO</b>	Irbid District Electricity Company LTD.
<b>JC</b>	Jordan Customs
<b>JCEA</b>	Jordan Coalition of Energy Association
<b>JEC</b>	Jordan Energy Chapter
<b>JEPCO</b>	Jordan Electric Power Company
<b>JGBC</b>	Jordan Green Building Council
<b>JREEEF</b>	Jordan Renewable Energy and Energy Efficiency Fund
<b>KW</b>	Kilowatt
<b>KWh</b>	Kilowatt hours
<b>MEMR</b>	Ministry of Energy and Mineral Resources
<b>MoH</b>	Ministry of Health
<b>MoPIC</b>	Ministry of Planning and International Cooperation
<b>MoPWH</b>	Ministry of Public Works and Housing
<b>MoT</b>	Ministry of Transport
<b>MoU</b>	Memorandum of understanding
<b>M&amp;V</b>	Measurement and Verification
<b>NEPCO</b>	National Electricity Power Company
<b>NERC</b>	National Energy Research Center
<b>NGO</b>	Non-Governmental Organization
<b>PAP</b>	Public Awareness Project
<b>RE</b>	Renewable Energy
<b>SOW</b>	Scope Of Work
<b>STTA</b>	Short-Term Technical Assistance
<b>SWH</b>	Solar Water Heater



# EXECUTIVE SUMMARY

The Energy Sector Capacity Building Activity (Contract # AID-OAA-I-13-00018, Task Order # AID-278-TO-13-00003) achieved significant progress during the period October 1 – December 31, 2014.

Two anticipated decisions from the EMRC allowed the distribution companies to proceed with their DSM programs: 1) EMRC approved the establishment of the DSM cells within each DISCO; and 2) the EMRC issued the DSM Guidance for the distribution companies to develop and submit their DSM proposals. ESCB developed a template for DSM proposals that is compliant with the DSM Guidance provided by the EMRC, and worked with the distribution companies to develop their DSM proposals. ESCB had already designed a DSM proposal template, but modified it in accordance with the official regulatory guidance. As of the end of the quarter, the DSM proposals for IDECO and EDCO were nearing completion.

The household load survey and analysis for JEPSCO and EDCO were completed during the quarter. ESCB staff presented the results to the management and DSM cells for JEPSCO and EDCO. The final load survey reports will be completed and distributed in January 2015.

ESCB held an interactive Stakeholder Consultation Workshop for the Jordan Renewable Energy and Energy Efficiency Fund (JREEEF) as an important step in obtaining input into the fund design. The consultation provided a great opportunity for energy stakeholders to share their opinions on the JREEEF strategy and direction. ESCB also worked with JREEEF Managing Director to develop the fund by-laws and the operational guidance.

Under Task 2, ESCB initiated support to MEMR/EED and other Ministries during the quarter and mobilized consultants with deep experience working on the US Federal Energy Management Program to bring this experience to Jordan. ESCB supported MEMR in providing energy audit services to a limited number of ministries selected by MEMR, including Ministry of Transportation, Ministry of Health and the Housing and Urban Development Corporation. ESCB developed and delivered a two-day energy auditing fundamentals course based on the Procedures for Commercial Building Energy Audits.

Under Task 3, ESCB implemented a one-on-one technical assistance program in building Energy Service Provider capabilities. The technical assistance was tailored to individual companies and included training in the development of marketing and business plans and proposal writing. ESCB provided training in energy efficiency measurement and verification protocols, and organized the CMVP certification exam on the fundamentals of measurement & verification of energy savings.

ESCB co-sponsored The Eco-Cities of the Mediterranean Forum 2014 and sponsored three international speakers covering the main thematic areas of the Forum.

Work with the three energy-related associations continued, to develop their capabilities and to agree on a form for the association coalition for accreditation of energy service providers. The local consultant hired for this task initiated strategic planning with each of the associations (EDAMA, JordanGBC and REES).

Under Task 4, ESCB signed contracts to install solar photovoltaic (PV) arrays at two buildings of the GOJ. ESCB held preliminary kick-off meetings with ETA-Max and Kawar Energy, the winning bidders, in order to finalize the system designs, implementation work plans and final price negotiations.

USAID approved a U.S. consultancy firm, Gerschman, Brickner, and Bratton (GBB), to develop a waste-to-energy infrastructure tender for the Greater Amman Municipality. The

GBB consultants completed their first mission to Jordan to support successful development of the waste-to-energy tendering document.

In line with the gender action plan, ESCB sponsored the fourth meeting of the Council of Women in Energy and Environmental Leadership (CWEEL). Several presentations were given during the meeting, including presentations from student chapters from four Jordanian universities. ESCB also took the opportunity at the CWEEL meeting to announce its mentorship program for women in the energy sector and to invite young women to apply.

The ESCB's Mentorship Program for young women in the energy sector was launched in December. The program aims to enhance the professional development of women and support their integration into leadership positions by harnessing the experience and wisdom of senior women and men within the sector. Seven mentors and eight mentees will take part in the six-month pilot phase of the program. ESCB Supported USAID Takamol in its 16 Days of Activism for the Elimination of Violence Against Women campaign.

ESCB conducted a management retreat on November 6, 2014 in Ajlun, Jordan. The purpose of the retreat was to build on the experience during the first year in developing a joint vision for Jordan's energy sector and to develop a road map for how the ESCB could contribute to achieving that vision. Furthermore, the retreat was designed to help strengthen the ESCB's teamwork abilities and establish synergies between its different components. The outcome of the retreat was discussed and endorsed by the ESCB team at an internal follow up meeting was held for this purpose.

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

AT-A-GLANCE SUMMARY	
Top 3 Achievements	Priority Next Step Activities
<ol style="list-style-type: none"> <li>1. EMRC issued DSM Guidance, paving the way for distributors to submit their DSM proposals</li> <li>2. JEPCO and EDCO load surveys completed and results presented</li> <li>3. DSM units formalized and engineers assigned</li> <li>4. EMRC approved budgets for DSM sections</li> <li>5. JREEEF stakeholder consultation event held</li> </ol>	<ol style="list-style-type: none"> <li>1. Two DISCOs complete DSM proposals according to EMRC's Guidance and submit to EMRC</li> <li>2. Support the EMRC and JREEEF to evaluate and approve the DSM proposals</li> <li>3. Support the EMRC and DISCOs to develop Measurement and Verification (M&amp;V) plans</li> <li>4. Facilitate DSM Incentive negotiations</li> <li>5. Conduct Launch Event for the DSM projects</li> <li>6. JREEEF business plan completed and early operations underway</li> </ol>
Primary Implementation Barriers	Proposed Changes to Work Plan
<ol style="list-style-type: none"> <li>1. DISCOs are concerned about additional regulatory risk from taking on DSM programs</li> <li>2. DSM equipment specifications and testing</li> </ol>	None at this time

## Key Accomplishments

ESCB made significant progress during Q1 in establishing the capacity to plan, implement, and oversee energy efficiency and DSM programs. During this period, the DSM recommendations adopted in July 2014 were given impetus through EMRC approval of funding for DSM units. This approval led the distribution companies to formally establish their DSM units and begin to develop their DSM program proposals.

In November 2014, and with the support of ESCB, the EMRC issued a formal letter of instruction to the DISCOs in the form of Guidance to start developing DSM projects. An English translation of the Guidance appears in the Annex of this Report.

Also in November, the household load surveys for JEPCO and EDCO were completed. ESCB presented the load survey results to JEPCO and EDCO management in separate briefings, with full written reports scheduled for completion in January 2015. ESCB success in delivering these load surveys resulted in IDECO agreeing to follow the other two DISCOs in conducting a load survey. IDECO started mobilizing to begin its household load survey in December, with results expected by the end of Year 2 Q2. ESCB provided training for IDECO surveyors at the beginning of December.

## DSM project development

ESCB developed a template for DSM proposals that is compliant with the DSM Guidance provided by the EMRC. ESCB had already established and provided a DSM proposal template, but modified it in accordance with the official regulatory guidance.<sup>1</sup> ESCB worked with two of the distributors (IDECO and EDCO) to develop efficient household lighting proposals and with one of the distributors (IDECO) to develop a solar water heater (SWH) proposal.

ESCB confirmed the cost-effectiveness of the detailed DSM program designs. The ESCB team worked with the utility DSM team, using the DSM financial analysis model, to check that any changes to the design were cost-effective for NEPCO and the participating customers.

ESCB supported preparation of detailed DSM pilot program proposals to submit to EMRC. In particular, ESCB worked to develop small-scale projects that would be easier to manage, more likely to succeed, and more acceptable to EMRC. These projects can be quickly scaled once proven during the first phase of implementation.

## Jordan Household Load Survey

ESCB made great strides in completing the Jordan national household load survey with EDCO and JEPCO. In this quarter, ESCB completed the load survey fieldwork for JEPCO. ESCB also conducted the load data analysis for both EDCO and JEPCO and presented the results to their respective management and the DSM units. ESCB brought IDECO on board to conduct its own household load survey. IDECO started mobilization in December where they assigned IDECO employees to work as surveyors and supervisors. ESCB provided training to IDECO assigned staff and all logistical details were put in place. The IDECO field work will take place in the next quarter.

## Activity Forecast

Momentum built during this quarter will allow a quick start to 2015 activities. Key activities for the next quarter include:

- Submit DSM proposals to the Regulator. ESCB will work with the distributors to get Board approval of the DSM proposals and formally file them with the regulator.
- Support EMRC and JREEEF review and approval of DSM proposals. ESCB will mobilize a team of local and international regulatory experts to work with EMRC and JREEEF in the DSM proposal evaluation process.
- Negotiate remaining details of DSM programs, notably the DSM incentive payment.
- Complete the last of the three household load surveys (IDECO).
- Launch the DSM program. ESCB, MEMR and EMRC will cooperate to launch the DSM programs once they have been approved by EMRC and JREEEF.
- Create DSM regulatory oversight capacity within JREEEF and EMRC.

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<sup>1</sup> Since ESCB was the source of both documents, the modifications needed were not large.

# TASK 2: BUILD CAPACITY OF THE ENERGY SECTOR

AT-A-GLANCE SUMMARY	
Top 3 Achievements	Priority Next Step Activities
<ol style="list-style-type: none"> <li>1. Conducted training for Ministerial Energy Efficiency Officers on EE action planning and energy auditing</li> <li>2. Completed energy audits at MOT, MOH, and HUDC</li> </ol>	<ol style="list-style-type: none"> <li>1. Develop generic action plan and generic monitoring and evaluation plan under EE action planning activity</li> <li>2. Develop customized EE action plan for MOT, MOH, and HUDC</li> </ol>
Primary Implementation Barriers	Proposed Changes to Work Plan
None	None at this time

## Key Accomplishments

ESCB is supporting MEMR's Energy Saving Action Planning initiative, which seeks to support Energy Officers appointed within each Ministry with the task of developing a plan for no-cost and low-cost energy-saving measures in their respective ministries. In this quarter, ESCB supported the action planning process through capacity building including hands-on energy audit training.

### Provide technical assistance to EE Department under MEMR

A flagship engagement under Subtask 2.2.1 of Year 2 is to provide technical assistance in improving MEMR/EED's ability to plan, execute, monitor and evaluate energy efficiency campaigns. The assistance targets the high-priority Energy Saving Action Planning activity undertaken in response to the Prime Ministerial instruction to all government departments to reduce total energy usage by 20% (including reducing energy consumption for lighting by 50%). Each of the 21 Ministries must appoint an Energy Efficiency (EE) Officer and prepare an Energy Saving Action Plan. MEMR is tasked with providing help and support to the development of the action plans.

ESCB initiated the support to MEMR/EED and the other Ministries during the quarter, drawing from the extensive US experience with the DOE-managed Federal Energy Management Program (FEMP). ESCB mobilized consultants with deep experience working on FEMP to bring this experience to Jordan in support of MEMR/EED.

The efforts started in October with ESCB Consultant Phil Coleman's first mission. The mission took place from October 13-24, 2014 and focused on working with MEMR/EED to assess the current state of EED support to energy saving efforts within Ministries, and gaps where ESCB support would complement current efforts. In conjunction with MEMR, Mr. Coleman met Energy Officers at three ministries that are showing leadership in developing EE and RE initiatives in their own buildings: Ministry of Health (MOH), Ministry of Transportation (MoT), and Ministry of Housing and Public Works (MoPWH). Mr. Coleman

also liaised with KfW, another donor supporting energy savings projects in government buildings through MoPWH.

The mission included a two-day training for the recently designated energy officers of seven government ministries, in which Mr. Coleman discussed topics such as:

- Assessing energy saving opportunities and setting energy saving targets in government ministries
- Energy auditing for buildings
- Energy saving action planning
- Program tracking and project success
- Designing a communications campaign



**1. Training Seminar for Energy Efficiency Officers**

Mr. Coleman also developed a job description for the position of Energy Efficiency Officer. MEMR is working with Civil Service Bureau and Ministry of

Public Sector Development to make the job description official.

Phase 2 of this support to MEMR included providing energy audit services to a limited number of ministries selected by MEMR, including MOT, MOH and MOPWH. MOPWH was subsequently replaced by Housing and Urban Development Corporation (HUDC). Phase 2 also provided training on conducting walk-through energy audits for the selected ministries. ESCB consultant, Mr. Mark Stetz, developed and delivered a two-day course on energy auditing fundamentals based on the Procedures for Commercial Building Energy Audits. The course included defining energy audits with different levels of rigor; a discussion on how to evaluate proposed energy- and cost-savings opportunities; and what should be in an energy audit report. The book was provided in electronic format to Ministry representatives as part of the course.



**2. Ministerial Audit Training**

To make the course more interactive, Mr. Stetz engaged the participants in a walk-through audit of each facility, which included taking notes and pictures of the major energy-using systems. Mr. Stetz also encouraged the participants to use his measuring tools to take measurements of space temperatures and lighting levels. Additionally, Mr. Stetz demonstrated the use of more advanced tools such as stand-alone data loggers that can record temperature, relative humidity, lighting levels,

and occupancy. These simple tools can reveal building operating characteristics instead of relying on visual observation or assumptions.

For all three facilities, Mr. Stetz and the participants collectively identified potential energy-efficiency measures and upgrades and conducted a cursory cost-effectiveness evaluation on each measure identified.

## Operationalizing the Jordan Renewable Energy and Energy Efficiency Fund

Under Task 2, ESCB is supporting the Government of Jordan (GoJ) to establish an operational Jordan Renewable Energy and Energy Efficiency Fund (JREEEF) within MEMR. JREEEF was established by the GoJ to provide financial and technical assistance for scaling up the implementation of renewable energy (RE) and energy efficiency (EE) projects, but has not been functioning as it was designed.

ESCB provided extensive support to JREEEF during the quarter. A two-person team (local financial expert and an international financial expert) worked very closely with the new JREEEF executive director, Mr. Rasmi Hamzeh, on several tasks. These tasks included: (i) developing a JREEEF bylaw; (ii) identifying and developing early operations for JREEEF; (iii) developing a JREEEF Strategy and Business Plan; (iv) briefing the JREEEF Management Committee; (v) coordinating donor support to JREEEF; and (vi) organizing and delivering a JREEEF Stakeholder Consultation event. Key meetings held during this formative period are shown in the table below.

### Key JREEEF Meetings

Date	Meeting type
October 22	Donor Coordination
October 28	Management Committee
October 30	Donor Coordination
November 20	Management Committee
December 1	Donor Coordination
December 15	Stakeholder Consultation

The first task taken on by the Director of JREEEF was to prepare a by-law to govern the operations and management of the Fund. ESCB supported JREEEF in drafting a



3. JREEEF Stakeholder Consultation

comprehensive bylaw that is consistent with international practice to instill donor confidence in the prospects for good governance of JREEEF. ESCB organized an interactive session of the donors supporting JREEEF to review and improve the bylaw draft. ESCB then supported the JREEEF director in negotiations with MEMR Legal Advisor and JREEEF Management Committee to incorporate their comments. H.E. the Minister of Energy and Mineral Resources approved the by-law in

December and it has been forwarded to the Council of Ministers for approval. An English language translation of the bylaw is included in the Appendix.

A Stakeholder Consultation Workshop held on December 15, 2014 collected opinions, comments, and suggestions from JREEEF's key stakeholders on the following topics: Guiding Principles, Financing Challenges, Support Windows, and Technical Assistance. The 50 stakeholders attending were split into three breakout groups – Private Sector; Financial Institutions and Donors; and Government and NGOs – to facilitate the consultation process. ESCB project organized the entire event, including identifying participants, developing the

agenda, planning the breakout sessions, providing facilitators and note-takers at the event itself, and preparing the stakeholder consultation results into a full and a summary report.

## Variable Renewable Energy Resources Grid Codes

From October 12 through October 27, ESCB's grid code consultant, Ms. Hala Ballouz, conducted the third and final mission in her renewable power grid code development assignment. During this mission, she conducted a series of meetings and workshops with concerned groups, including NEPCO, DISCOs, EMRC, MEMR, donors, and wind and PV projects developers. Her mission objectives included:

1. Review the final draft of the transmission grid code with NEPCO and provide any minor refinements
2. Review the final draft of distribution grid code with EMRC and DISCOs and provide any minor refinements
3. Conduct training on issues related to integration of variable renewable power sources at both transmission level and distribution level
4. Identify additional technical assistance and capacity building needs for NEPCO and EMRC



4. Grid Codes Training

In early December, Ms. Ballouz delivered both the final transmission grid code chapter to NEPCO, and the final direct connection grid code chapter to the EMRC. She also identified renewable power integration technical assistance and capacity building needs to be pursued in 2015.

## Activity Forecast

The following is a list of activities and deliverables expected for the coming quarter:

- Provide technical assistance to build the capacity of utilities on EE - ESCB will provide support for analyzing customer load and billing data. Statistical analysis is important to support the utilities' planning and forecasting functions, and to utilize the load data that ESCB has helped to collect.

- Provide technical assistance to EE Department under MEMR  
ESCB will continue providing capacity building and technical assistance to implement the PM's Decree on Energy Saving to deliver: generic action plan for government EE activities; customized action plans for selected ministries; energy assessment guidelines; and guidelines for facility operators and maintenance staff

- Support functional and effective units within EMRC  
Provide capacity building and on-the-job training to address EMRC's immediate needs, including marginal costing and tariff review and support to retail wheeling

- Build MEMR capacity to perform critical functions

ESCB will follow up on the recommendations of the Public Awareness Project (PAP) to create a Communications and Outreach Office within the Minister's office. Such an office will take on a broad range of communications issues associated with the Ministry's broad remit, from saving energy to nuclear power to renewable energy.

# TASK 3: DEVELOP SUSTAINABLE ENERGY SERVICES INDUSTRY

AT-A-GLANCE SUMMARY	
Top 3 Achievements	Priority Next Step Activities
<ol style="list-style-type: none"> <li>1. Developed a one-on-one technical assistance program in building ESP capabilities. This TA included training in the development of marketing and business plans and proposal writing</li> <li>2. ESCB co-sponsored The Eco-Cities of the Mediterranean Forum 2014</li> <li>3. Provided training and organized CMVP certification exam on the <i>Fundamentals of Measurement &amp; Verification</i></li> </ol>	<ol style="list-style-type: none"> <li>1. ESCB will study several requests that were received from ESPs to provide additional technical assistance</li> <li>2. Establish coalition of associations for accreditation</li> <li>3. Complete associations strategy development and market research</li> <li>4. Initiate financing mechanism development</li> </ol>
Primary Implementation Barriers	Proposed Changes to Work Plan
None identified at this time.	In Year 2, ESCB team proposed to develop a database of consumers who consume more than 50 toe. Due to confidentiality issues, the ESCB team was unable to collect such data. However, ESCB will provide technical assistance to MEMR in developing such a database

## Key Accomplishments

### *Progress made towards fulfillment of the project's results*

#### CMVP training and certification exam

ESCB provided training and organized a CMVP certification exam on the *Fundamentals of Measurement & Verification* for fourteen people, thirteen of whom took the certification exam. Participants included representatives from MEMR, NERC, JEC, and ESPs. ESCB expects to receive the results of the certification exam in February.



#### Establish publically available database of the highest energy consuming businesses

The ESCB team added this sub-activity to its Year 2 work plan because MEMR regulations state that any organizations whose annual energy consumption exceeds 50 toe must have an audit and implement the audit findings. The list of organizations falling into this category is unknown to ESPs and thus they are unable to target their marketing to this segment

#### 5. CMVP Training

The ESCB team began this activity by studying the Energy Efficiency Procedures Article 3-I that mentions the need to create a database to support EE. Article 5 from the same bylaw states that organizations whose annual energy consumption exceeds 50 toe must have an audit and implement the findings. However, the bylaw does not state the means of collecting this information to develop the database.

ESCB learned that MEMR EED has not been able to get this information from the DISCOs and other sources due to confidentiality issues concerning private companies. ESCB also checked if it is possible to get this information from the Department of Statistics, but again the confidentiality issue blocked access to this information.

The ESCB team had meetings with the Planning and IT Departments at MEMR, which have been developing an information system for the energy sector funded by the World Bank. The information system is based on the assessment study developed by CESI SPP Italy and NTT Data Italia, and it will provide timely energy statistics and support for National Energy Planning. Through these discussions, ESCB concluded that it is not currently possible to create this database. However, ESCB will support the three departments at MEMR during the implementation of this information system to ensure that the required database is created.

### **Licensing of energy auditors**

Article 6 of the Energy Efficiency Procedures states that it is mandatory for any energy services provider to be licensed by MEMR according to the instructions included in this bylaw. ESCB offered its support to the EED at MEMR. However, it was clear from the EED Director at that time that the instructions were ready to be signed and approved by the Minister, and there was no need for additional support from ESCB.

ESCB reviewed the draft instructions and included the comments in the ESCB Legal Gap Analysis report that was submitted in October 2014.

### **Train ESPs on the development of business and marketing plans**

ESCB is building ESP capabilities through executing Jordanian-led solutions to developing a sustainable market for ESPs. During the ESP market assessment exercise conducted in 2014, ESCB discovered that ESPs in Jordan have deficiencies in developing business and marketing plans and that they would welcome ESCB support in building their capacity.

To address this need, ESCB developed a tailored one-on-one technical assistance program and recruited a local consultant to deliver specialized training. ESCB consultant, Baha Zayaat, initiated the technical assistance by visiting some of the ESPs (start-ups, small, medium, and large ESPs) accompanied by Task Leader, Dr. Hameed Nezhad, and the ESCB team to assess their capabilities and learn more about their needs. During those visits, some of the ESPs expressed their need to receive training on proposal writing, which ESCB added to the training program.

In November 2014, after developing the training material, ESCB called for applications from ESPs who would like to receive this one-on-one technical assistance in business planning, proposal writing, and marketing planning through the energy associations (ESP Coalition) and through ESCB's mailing list. ESCB received 11 applications and evaluated these applications according to the evaluation criteria established by the consultant. Through this screening process, six ESPs were selected to be part of the pilot phase: Second Energy, ECOSOL, C3E, Satchnet, Greentech, and Advanced Alternative Energy Systems.

ESCB consultant, Baha Zayyat, scheduled training sessions with each ESP and provided 2-3 days of individual training to each. ESCB received several requests from these ESPs to provide additional technical assistance, and the consultant provided some additional training depending on the type of request and the available time. ESCB will review these additional requests and develop a plan to address them in the second phase.

ESCB received very positive feedback from the ESPs through the post-training evaluation forms and emails from the firms. In general, all trained ESPs preferred the on the job, one-on-one type of training provided to workshop training. ESCB team is developing a full report about the results of this task to help in planning future work and capacity building approaches; the report will be submitted to USAID upon completion of the technical assistance. Due to the success of this activity, ESCB is proposing to provide similar technical assistance to the rest of ESPs that have expressed interest.

## **Eco-Cities of the Mediterranean Forum 2014**

ESCB co-sponsored and actively participated in proceedings of the Eco-Cities of the Mediterranean Forum 2014, which was held at the Kempinski Hotel Ishtar at the Dead Sea. Specifically, ESCB sponsored three international speakers (John Carlton, Dilip Limaye and Phil Coleman) covering the main thematic areas. ESCB consultant, Mohammad Asfour, was actively involved in organizing the event and ensured that topics of interest to the ESCB were covered both in the program and the recommendations that resulted from the Forum.

## **Jordan Coalition of Energy Associations**

As part of the ongoing effort toward the creation of the Jordan Coalition of Energy Association (JCEA – tentative name), ESCB held a series of meetings and workshops that brought together EDAMA, JordanGBC and REES for the common goal of increasing business opportunities for their members and the sector as a whole.

The latest meeting took place at the Crowne Plaza Hotel, and was attended by 17 individuals representing the boards of EDAMA, Jordan GBC, and REES, along with the ESCB team. The objective of the meeting was to discuss in detail possible means through which to initiate collaboration around ESP accreditation. ESCB's legal advisor presented a possible legal structure, and participants agreed to the following next steps:

1. ESCB will develop an MOU covering only the accreditation aspect of the coalition and will share this MOU with the associations
  - a. The MOU has been prepared and will be sent to the associations for their review and approval
  - b. The MOU signing ceremony will be agreed to by associations and supported by ESCB
2. ESCB will share the legal analysis with the associations
3. ESCB will call for a meeting around mid-January to finalize the MOU

## **ESCO Association strategy development**

To initiate this task, ESCB will meet with members of the boards of the ESCO associations: Jordan GBC, EDAMA (including separate engagement of CWEEL and JEC), and REES, to engage them in the development of a coalition strategy. The first of these meetings was held in December with REES.

The meeting with REES was very fruitful, with ten members in attendance (including non-board members). The REES President gave a briefing about the establishment of REES, and attendees discussed the unique value proposition of REES and the sustainability of the association. As a next step, ESCB's consultant, Alaa Asali, will review the detailed Articles of Association of REES and work with the board to articulate a clear strategy for the association. This will include a follow-up session with REES to develop its strategic essence (values, mission, and vision), which will serve as the basis for its strategy. Each association's strategy will be in alignment with the coalition of associations while emphasizing the uniqueness of each coalition member to ensure complementarity rather than repetition. In the next quarter, ESCB will:

1. Develop materials for the first working sessions with the three remaining associations

2. Meet with the remaining three associations to kick off the project as it relates to each
3. Develop materials for the REES strategic essence development session
4. Review the work done by Analyseze and integrate outputs with work for the associations
5. Finalize work for REES and CWEEL as per the SOW

## **GBC and EDAMA market research**

ESCB initiated the market research task for GBC and EDAMA by conducting a pilot. Feedback from the pilot was shared with the associations, after which the final survey was approved. In addition, the members' database was updated for wrong or missing contact details. For GBC, a total of 60 previous and current members were contacted, of which 38 completed the survey, and a total of 80 surveys are expected to be completed within the first half of January. For EDAMA, 12 current members completed the surveys, and a total of 80 surveys are expected.

## **Activity Forecast**

The following is a list of expected activities for the coming quarter:

- **Access to Finance** – Develop specific loan products for EE finance.
- **Capacity Building for ESPs-**
  - Provide one-to-one consultations with ESPs to strengthen their businesses. This is a continuation of the technical assistance that has been provided to six ESPs. We are proposing to (a) expand this activity to include all ESPs who expressed interest in such TA; and (b) to provide more assistance to those ESPs that requested assistance in developing their business and marketing plans.
  - Organize a workshop on contract laws and regulations
- **Utility-based ESCOs** -To provide technical assistance to IDECO and other DISCOs interested in establishing utility-based ESCOs.
- **ESP Accreditation**
  - Setup accreditation committee
  - Design an ESP accreditation mechanism
  - Organize and deliver a forum to present the accreditation system to the relevant stakeholders
- **Association Development**
  - Define legal status of the coalition
  - Develop outreach and communications strategy for ESPs through the coalition
  - Work with selected members of the coalition to develop the organization, bylaws and action plan

# TASK 4: RESPOND TO ENERGY SECTOR OPPORTUNITIES

AT-A-GLANCE SUMMARY	
Top 3 Achievements	Priority Next Step Activities
<ol style="list-style-type: none"> <li>1. Signed contracts to install solar photovoltaic (PV) arrays at two buildings of the GOJ; obtained JEPCO approvals for both sites</li> <li>2. Developed draft RFP for waste-to-energy tender</li> </ol>	<ol style="list-style-type: none"> <li>1. Manage, supervise, and oversee installation, commissioning and acceptance of the installed PV arrays at MOPIC and Jordan Customs</li> <li>2. Complete waste-to-energy tender document for GAM</li> </ol>
Primary Implementation Barriers	Proposed Changes to Work Plan
None identified at this time.	None

Task 4 targets emerging 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 supported two requests from energy sector stakeholders.

The Government of Jordan is promoting the installation of renewable electricity generation at all government agencies. To assist with this endeavor, ESCB 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

### *Progress made towards fulfillment of the project's results*

#### Installation of solar photovoltaic (PV) arrays at two buildings of the GOJ

- ESCB vetted the financial, technical and administrative capacity of the two winning subcontractors to manage the work and checked past performance references for same-scale projects in Jordan and conducted past performance checks. Additionally

ESCB conducted a site visit to evaluate past performance of installed projects and the quality of the technical work, with positive evaluations.

- On September 28, 2014, ESCB announced the winning bidders, ETA-Max and Kawar Energy.
- ESCB held preliminary kick-off meetings with ETA-Max and Kawar Energy in order to finalize designs, implementation work plan, and final price negotiations.
- The total cost of both projects to install a total of 150 Kwp solar photovoltaic power generation system (100 Kwp at JC and 50 Kwp at MOPIC) is \$230,439 – approximately \$1500/Kwp.
- Both MOPIC and JC issued authorization letters for their subcontractors to start the application process at JEPCO for a grid impact study and to connect the system to the grid.
- ESCB fully executed the contracts with ETA-Max and Kawar.
- The impact study from JEPCO was completed for MOPIC in late December 2014, and the impact study official letter of approval received shortly thereafter.

Additionally, ESCB is coordinating with MOPIC and JC on the dashboards that will be installed at highly visible locations to ensure maximum informational effect on the public, and on complementary public awareness and educational activities. This continuous coordination resulted in MOPIC and JC finalizing the procurement of the dashboards in order to have them ready for installation at the final stages of project commissioning.

### **Provide assistance to MEMR and GAM in developing a waste-to-energy tender**

- In September 2014, USAID approved a U.S. consultancy firm, Gerschman, Brickner, and Bratton (GBB), to develop a waste-to-energy infrastructure tender for GAM
- ESCB worked remotely with GBB to prepare for GBB consultants' first visit to Amman in October 2014.
- GBB consultants finished their first mission to Jordan to support successful development of the WTE tendering document.
- GBB submitted an Overall Concept for "Results-Oriented" Tendering Approach and an Initial Concept for Tender Evaluation Process and Proposed Evaluation Committee as a part of its first mission deliverables.
- ESCB worked remotely with GBB, preparing for GBB consultants' second mission to Amman in January.

## **Activity Forecast**

### ***Next steps for the next period***

The following activities will be undertaken in the coming quarter:

- PV Installations at MOPIC and JC
  - Manage, supervise, and oversee installations, commissioning and accepting the installed work, and documenting procedures
  - Maximize branding and communication outreach regarding the new PV systems
- Waste-to-Energy Tendering
  - GBB consultants' second mission will be from January 9- 23, 2015. During the second mission, GBB will present the draft tender document and work with GAM to finalize and prepare the document for publishing.

- During the second mission, GBB will finalize the draft tendering document and detailed evaluation criteria and forms. During this process, GBB will coordinate with ESCB and GAM to review interim documents and parts of the tender as they are developed.
- GBB will also bring detailed evaluation materials and provide training to the evaluation committee to prepare them for the evaluation process.

# CROSS-CUTTING AREAS: GENDER & INCLUSION

AT-A-GLANCE SUMMARY	
Top 3 Achievements	Priority Next Step Activities
<ol style="list-style-type: none"> <li>1. Sponsored the fourth CWEEL meeting</li> <li>2. Launched ESCB's Mentorship Program for young women in the energy sector</li> <li>3. Supported USAID Takamol in its 16 Days of Activism for the Elimination of Violence Against Women campaign</li> </ol>	<ol style="list-style-type: none"> <li>1. Create film for the Energy Sector Women's Leadership Forum planned</li> <li>2. Provide onsite training opportunities for university students</li> </ol>
Primary Implementation Barriers	Proposed Changes to Work Plan
None identified at this time.	None

## Key Accomplishments

### Gender Inclusion

ESCB sponsored the fourth Council for Women in Environmental and Energy Leadership (CWEEL) meeting on November 15<sup>th</sup>, 2014. Several presentations were given during the meeting; the first, titled 'Women, Energy and Economic Empowerment', was delivered by Kate Wharton, a consultant for Deloitte. This was followed by an inspirational talk on 'Amazing Grace, Queen of Software and Nanoseconds' by Dr. Majd Batarseh of the Princess Sumaya University for Technology and an update on CWEEL and the AEE World Energy Engineering Congress by CWEEL Liason, Suhair Mhairat. The Presidents of Association of Energy Engineers (AEE) chapters at four Jordanian universities (Princess Sumaya University for Technology, University of Jordan, the German Jordanian University and the Hashemite University) then provided the audience with updates on the activities of their respective chapters. ESCB also took the opportunity to announce its mentorship program for women in the energy sector and to invite young women to apply. CWEEL was initiated under EDAMA in May 2014 by ESCB.



**6. Fourth CWEEL Meeting**

ESCB's Mentorship Program for young women was launched in December 2014 with orientation sessions for mentors and mentees. For the pilot phase, ESCB has paired 7 mentors with 7 mentees. The mentors are energy experts working in both the private and public sectors in Jordan. The mentees are young women who applied for the program and were shortlisted according to their field of education/work, their interest in the program, and the type of support they expect to receive from their mentor. Mentors were paired with their mentees following the orientation sessions. The mentorship process will begin mid-January 2015 and end mid-July. Regular reporting will be required from both mentors and mentees to monitor the process and resolve any conflicts that may arise. Photos and information about ESCB's Mentorship Program was shared on the USAID Jordan Facebook page.

ESCB supported USAID Takamol in its 16 Days of Activism for the Elimination of Violence Against Women campaign. ESCB shared Takamol's social media updates and ESCB's Chief of Party and Senior Gender Expert attended the Closing Ceremony 'From Peace in the Home to Peace in the World'.

ESCB met with film production companies in order to commission the production of a film for the Energy Sector Women's Leadership Forum planned for Spring/Summer of 2015.

## **Youth Inclusion**

ESCB invited four universities to nominate two students each (one male and one female), year 4 or above, majoring in electrical, electronic or energy engineering to observe the installation process of solar photovoltaic (PV) arrays at the Jordan Customs Building (JC) and the Ministry of Planning and International Cooperation (MOPIC). Two universities (Princess Sumaya University for Science and Technology and the German Jordanian University) responded to the invitation. The students will be interviewed and two will be chosen for this onsite training opportunity, expected to begin in January or February 2015.

## **Activity Forecast**

### ***Next steps for the next period***

The following is a list of expected activities for the coming quarter:

- Gender Inclusion
  - Support CWEEL with its strategic planning activities
  - Monitor the progress of the Mentorship Program and support mentors and mentees as necessary, including the arrangement of additional trainings for the mentees.
  - Commission a production company and begin working on the leadership film for the Forum
  - Plan ESCB's Women's Leadership Forum
- Youth Inclusion
  - Interview and select two students to participate in the solar photovoltaic installation at JC and MOPIC
  - Explore the possibility of providing support to EDAMA's internship program for university students.

# PROJECT MANAGEMENT & OPERATIONS

## Key Accomplishments

### Human Resources

ESCB received approval from USAID and mobilized the following resources:

Name	Employed by	Project Role
Ghassan Naji	ECO Consult	DSM Planner
Sarah Aladdin	Deloitte	Administrative Assistant/Receptionist
Khalid Kurdi	ECO Consult	Strategic Planning Expert
Tom Dreesen	Deloitte ICA	Clean Energy Financing Expert

### Outreach & Communications

The workshop and training events that took place during the quarter are shown in the table below.

Event	Venue	Date	# of invitees	# of Attendees	Male	Female
Workshop for Project Developers (Wind and PV)	Belle Vue Hotel	October 22, 2014	Invitations were sent by EDCO and IDECO	20	17	3
Energy Efficiency Officers Training	Crown Plaza Hotel	October 22-23, 2014	Invitations sent by relevant ministries	24	13	11
A Training Session on Grid and Distribution Codes Enforcement	Crown Plaza Hotel	October 27, 2014	44	24	16	8
Renewable Power Donors Meeting	Crown Plaza	October 27, 2014	17	17	11	6
4 <sup>th</sup> CWEEL Meeting	Belle Vue Hotel	November 15, 2014	CWEEL sent invitations	34	12	22
Coalition Meeting	Crown Plaza	December 7, 2014	Board members of EDAMA, JGBC and REEES	18	15	3
Certified Measurement and Verification Professional	Century Park Hotel	December 4-8, 2014	NERC, MEMR, JEC nominated	14	11	3
Energy Audit Training	Ministry of Health	December 10-11, 2014	Invitations sent by relevant ministries	17	11	5
Energy Audit Training	Ministry of Transport	December 14-15, 2014		10	5	5

Energy Audit Training	Housing and Urban Development Corporation	December 16-17, 2014		16	9	7
JREEEF Stakeholder Consultation	Crown Plaza Hotel	December 15, 2014	72	46	34	12
Mentorship Program Launch	Crown Plaza Hotel	December 15, 2014	15	14	2	12

ESCB was featured in Al Rai newspaper in an article that covered the JREEEF stakeholder consultation.

**December 16, 2014**

**Article published in Al Rai Newspaper on “The JREEEF Stakeholder Consultation”**

**Links:**

- <http://www.alrai.com/article/687276.html>



## Social Media

- **Website** – ESCB submitted the home page design to USAID for approval and will finalize the website in early 2015. Once the website is established, it will include a newsfeed from the Facebook and Twitter pages.
- **Facebook** – The Facebook page is being utilized to provide frequent project updates and put a "human face" to the project. It includes photos, links to other relevant Facebook pages, and an opportunity for followers to provide comments for direct feedback. Individuals who are portrayed on the Facebook site also share entries widely, which provides information about their work and that of ESCB. To date, ESCB has shared information about ESCB events, training activities, the mentorship



program, and participation in the Eco-Cities of the Mediterranean Forum. Within the first month, the page had 200 “likes” and the most recent postings reached more than 700 people each.

- **Twitter** – ESCB will promote its Twitter account in early 2015 once the website is completed and staff are trained on the use of Twitter to promote project goals. The Twitter account will include information on project activities and will retweet items of general interest to the Jordan energy sector. Twitter can also be used to promote and invite feedback on specific events and topics, such as the Women’s Leadership Forum planned for May 2015.

All social media, including ESCB’s website, Twitter and Facebook, will be promoted aggressively once the website is established in early 2015.

# PERFORMANCE MONITORING

## FY15 Targets

Below is a summary of ESCB's performance targets for FY15 and achievements to date for Quarter 1. Also noted are actual and potential changes, where indicators may be removed, revised, or added. Full details on each current indicator from the ESCB M&E Dashboard follow.

Indicator	Baseline	FY15 Targets	Q1 FY 15 Achievements
GHG emissions, estimated in metric tons of Co2e, reduced, sequestered and/or avoided as a result of USG assistance	0	<b>1061.59 ton CO2e</b> New indicator that might be added and target might change	NA
Amount of investment leveraged in U.S. dollars, from private and public sources, for climate change as a result of USG assistance	0	<b>\$550,000</b> New indicator that may be added; target may change	NA
Number of clean energy transactions	0	<b>5</b> (3 DSM programs, JREEEF and special task) New indicator that may be added; target may change	NA
Number of households implementing EE measures as a result of USG assistance	0 <i>DSM/EE program not yet implemented</i>	<b>10,000</b> (based on the estimation of 50,000 fluorescent tubes to be replaced)	0
Number of institutions receiving technical assistance due to USG assistance	0 <i>Baseline defined to track technical assistance provided through ESCB</i>	<b>50</b> (15 Governmental entities; 15 new ESPs; 5 banks; 3 NGOs and CSOs; 13 private sector)	42

Indicator	Baseline	FY15 Targets	Q1 FY 15 Achievements
Number of institutions with improved capacity to address clean energy issues as a result of USG assistance	<b>0</b> <i>Baseline defined to track capacity building due to ESCB</i>	Indicator is under revision, hence no target for FY15	<b>NA</b>
Validated savings from utilities' forecasted electric demand due to incentive mechanism DSM/energy efficiency programs	<b>0</b> <i>DSM/EE program not yet implemented</i>	<b>1,875,600 kWh</b> (255,000 from PV installation and 1,620,600 from DSM program implementation)	<b>0</b>
Number of ESCOs accredited/licensed	<b>0</b> <i>Accreditation program not yet implemented</i>	<b>1</b>	<b>0</b>
Number of megawatts installed through alternative energy projects in Jordan supported by USG assistance	<b>N/A</b> <i>To be defined based on Task 4 initiatives</i>	<b>0.15 MW</b>	<b>0</b>
Number of action plans developed	<b>0</b> <i>Baseline defined to track action plans developed due to ESCB</i>	Indicator is under revision and may; no target for FY15	<b>NA</b>
Number of laws, policies, strategies, plans, agreements, or regulations addressing clean energy officially proposed, adopted, or implemented as a result of USG assistance	<b>0</b> <i>Expected measure will be the utility incentive mechanism</i>	Indicator is under revision and may; no target for FY15	<b>NA</b>

Indicator	Baseline	FY15 Targets	Q1 FY 15 Achievements
ESCO association created	<i>Governing body not yet established</i>	Should be changed	<b>NA</b>
Proportion of female participants in USG-assisted programs designed to increase access to productive economic resources	<b>0</b> <i>Baseline defined to track ESCB gender considerations</i>	<b>40%</b>	<b>32%</b>
Person hours of training completed in technical energy fields supported by USG assistance	<b>0</b> <i>Baseline defined to track capacity building due to ESCB</i>	<b>2,500</b>	<b>1,103</b>

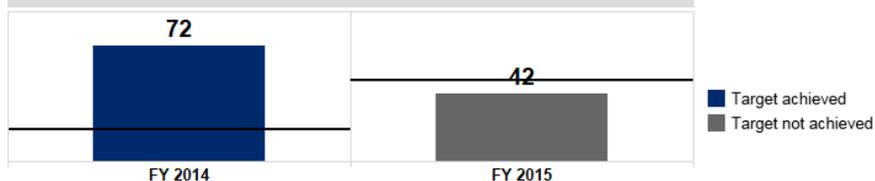
## Indicator 3: Number of Institutions Receiving Technical Assistance Due to USG Assistance

ESCB

### Indicator 3.

Number of institutions receiving technical assistance due to USG assistance

#### TREND ANALYSIS



**111** institutions receiving technical assistance due to USG assistance

#### SPECIFIC ADVISORY DETAILS

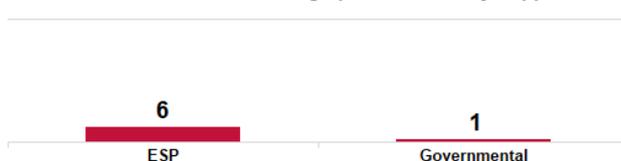
#### TRAININGS DETAILS

Note: hover mouse over the lightbulb to learn more. Click an institution's name to filter the activity and training tables to just the rows of data relevant to that institution.

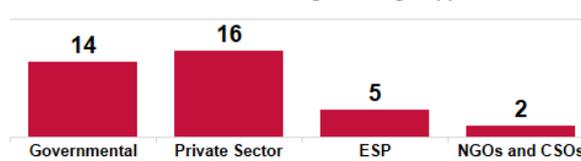
Institution	FY	Activity Description	Lightbulb
Advanced Alt.	2015	ESCB provided a local consultant to deliver advisory services an..	Lightbulb
C3E	2014	General technical assistance with ongoing projects on performan..	Lightbulb
	2015	ESCB provided a local consultant to deliver advisory services an..	Lightbulb
Eco Engineer..	2015	ESCB provided a local consultant to deliver advisory services an..	Lightbulb
Greater Amm..	2015	The Consultant will support Greater Amman Municipality (GAM) ..	Lightbulb
Greentech	2015	ESCB provided a local consultant to deliver advisory services an..	Lightbulb
Izzat Marji Gr..	2014	General technical assistance with ongoing projects on performan..	Lightbulb
Jordan River ..	2014	ESCB developed SWH census survey for JRF project across 70 ..	Lightbulb
JSMO	2014	Provide assistance to ESCB team to support Jordan's energav effi..	Lightbulb

Institution	Training Name	Lightbulb
AFD	Bulk Procurement and Replacement Program	Lightbulb
AIG	Integrating Renewable Power into Electricity Grids	Lightbulb
AJB Hightech	Energy Modeling and Monitoring Course	Lightbulb
Abu Assi	Energy Efficient Building Envelope - Basic Level	Lightbulb
Contracting EST	Energy Efficient Building Envelope - Intermediate Level	Lightbulb
Agricultural Credit Corporation	Energy Audit Training-MoT	Lightbulb
	Energy Efficiency Officers Training (Day 2)	Lightbulb
Al Ard Al Ma'moura	Passive Design For Hot Climates Course	Lightbulb
Al Bouca'i Enaine..	LEED Courses	Lightbulb

#### Number of Institutions Receiving Specific Advisory Support



#### Number of Institutions Receiving Training Support



## Indicator 7: Number of megawatts installed through alternative energy projects in Jordan supported by USG assistance

ESCB

### Indicator 7.

Number of megawatts installed through alternative energy projects in Jordan supported by USG assistance

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#### FILTERS

Alternative Energy Type

Alternative Energy Prim..

Collaborating Institution

Governorate

Region

Primary Form of TA

# 0.000

*megawatts installed through alternative energy projects in Jordan supported by USG assistance*

#### PROJECT TIMELINES

Requested       Approval from counterpart       Tendered  
 Feasibility study       Approval from USAID       Vendor contract signed

Project Name	FY 2013	FY 2014				
	Q3 April 1	Q1 November 20	January 16	Q2 February 24	Q3 June 21	Q4 September 28
Installing photovoltaic System in Jordan Customs (JC)		🕒	🕒	👉👈	🕒	🕒
Installing photovoltaic System in Ministry of Planning and International Cooperation (MOPIC)	🕒		🕒	👉👈		🕒

#### PROJECT COUNT DRILL-DOWN

Select X-axis

2

Transaction facilitation

#### TREND ANALYSIS

0.000

FY 2014

■ Target not achieved

# Indicator 11: Proportion of Female Participants in USG-Assisted Programs Designed to Increase Access to Productive Economic Resources

ESCB

## Indicator 11.

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

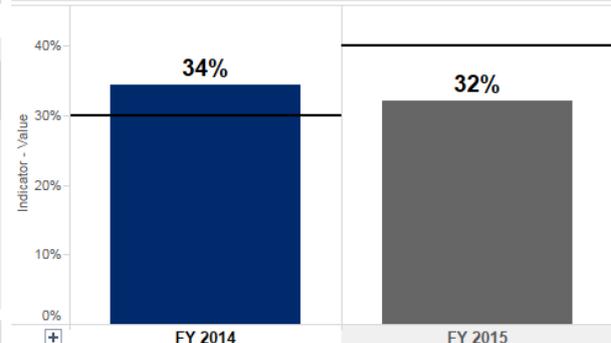
**32%**

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

### FEMALE PARTICIPATION IN TRAININGS

	Attendees	% Female
JRF SWH Survey	13	69%
Passive Design For Hot Climates Course	13	62%
LEED Courses	10	60%
Integrated Resource Planning (IRP) concept introduc..	11	55%
Regulating the Energy Services Industry in Jordan	13	46%
Energy Audit Training-MoT	9	46%
Energy Modeling and Monitoring Course	10	40%
Energy Efficient Building Envelope - Basic Level	7	38%
Energy Efficient Building Envelope - Intermediate Le..	7	38%
DSM Planning_Proposals development Part 2_IDECO	7	29%
DSM Planning_Proposals development Part 1_JEPCO	6	25%

### TREND ANALYSIS

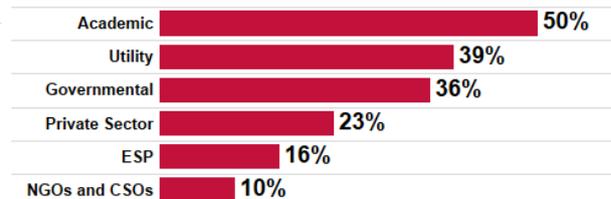


### FEMALE PARTICIPATION IN OTHER PROGRAMS

	# Participants	% Female Par..
CWEEL 4th Meeting - JORDAN	34	0.65
CWEEL FIRST MEETING IN THE MIDDLE EAST - JO..	6	0.83
Women's Power Breakfast with Ms. Hala Ballouz	24	1.00

Target Sta.. ■ Target achieved ■ Target not achi..

### PARTICIPANT TYPE ANALYSIS



## Indicator 12: Person Hours of Training Completed in Technical Energy Field Supported by USG Assistance

ESCB

### Indicator 12.

Person-hours of training completed in technical energy fields supported by USG assistance

#### FILTERS

Training Type  
(All)

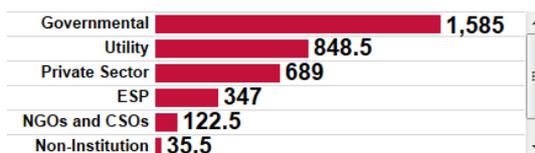
**370** unique individuals trained in technical energy fields supported by USG assistance

**3,648** person-hours of training completed in technical energy fields supported by USG assistance

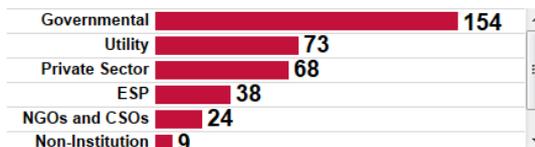
#### DRILL-DOWN ANALYSIS

X-axis: Institution Type

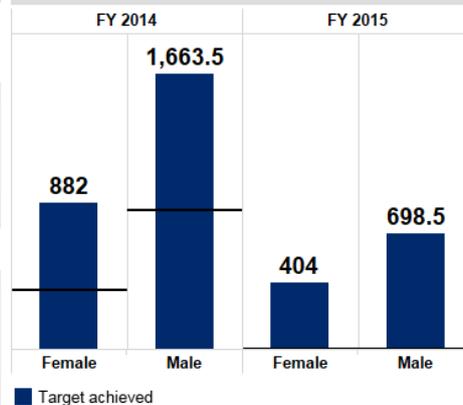
##### Person-Hours



##### Distinct Trainees



#### PERSON-HOURS TREND ANALYSIS



#### TRAINING DETAILS

Day of Start Date	Training Name	Female	Male	Total
10/22/14	Energy Efficiency Officers Training (Day 1)	9	12	21
	Workshop for project developers (Wind and ..	3	15	18
03/16/14	Financial Model Training	9	27	36
09/22/14	JRF SWH Survey	9	4	13
09/20/14	Passive Design For Hot Climates Course	8	5	13
10/27/14	IRR Grid Code and RR Distribution Code Enf..	8	15	23
12/16/14	Energy Audit Training	8	16	24

#### TOP 3 "MOST TRAINED" INSTITUTIONS



# APPENDIX

## I. JREEEF Bylaw

### **Bylaw of the Renewable Energy and Energy Efficiency Fund and principles of funding and expenditures for the year 2014**

Issued in accordance with Article 14/b of the Renewable Energy and Energy Efficiency Law no. 13 for the year 2012

#### **Article 1:**

This bylaw is called "Bylaw of the Renewable Energy and Energy Efficiency Fund and principles of funding and expenditures for the year 2014 for the year 2014" and shall enter into effect as of date of publication in the Official Gazette.

#### **Article 2:**

The following words and terms wherever appear in the text shall have the meaning shown in front of each unless the context states otherwise:

The Law:	Renewable Energy and Energy Efficiency Law
The Fund:	Renewable Energy and Energy Efficiency Fund established in accordance with provisions of the Law.
The Committee:	Management Committee of the Fund
Chairman of Committee	Minister of Energy and Mineral Resources.
The Director:	The Director of the Fund
Renewable Energy:	Energy produced of natural resources that are sustainable and continuous.
Energy Efficiency:	A set of procedures and means to be followed aiming to reduce energy consumption and improve effective usage without affecting level of performance.
Person:	Natural or legal person
Applicant:	The person that submits an application to receive support or funding from the Fund.

Beneficiary:	The person that receives support and/or funding from the Fund.
Application:	A standard form adopted by the Committee in order to receive the support from the Fund.
Stakeholders:	Agencies of public sector and private sector, non-governmental organizations, research centers, and academic institutions that may affect and be engaged in implementing renewable energy and energy efficiency projects.
Funding:	Cash amounts offered to beneficiaries through different programs and projects of the Fund.
Operational expenditures:	Amounts budgeted for periodic expenses needed to operate the Fund and its services.
Projects:	Activities implemented by the Fund concerning the exploitation of renewable energy and energy efficiency.
Programs:	Combinations of projects with common objectives that the Committee approves for exploitation of renewable energy sources and/or the rationalization of energy consumption.
Support:	Any assistance provided by the Fund whether cash, technical or both.
Work Scope:	The projects and programs of the Fund aimed at providing the funding and support necessary for the exploitation of renewable energy sources and the rationalization of energy consumption as well as sustaining the financial resources of the Fund.

### **Article 3:**

This Bylaw sets forth the principles for managing the Fund and monitoring its works effectively to assure achieving the objectives of the Fund established under Article 12 of the Law.

### **Article 4:**

- a. The Fund is managed by the Committee established in accordance with provisions of article 13 / (a) of the Law.
- b. The Committee shall perform the following tasks and authorities:
  1. Set priorities of the Fund's work scope according to public policies of energy sector and

- optimal utilization of the Fund's resources.
2. Review and endorse the annual report of the Fund's work scope.
  3. Review and endorse the Fund's annual plan and financial data.
  4. Set priorities and criteria of selection of entities and projects that shall contribute in providing needed funding, and approve funding.
  5. Any other task needed for the Fund's work scope or being presented by the Committee Chairman.

**Article 5:**

- a. The financial resources of the Fund shall be as defined in Article 16a of the Law as follows:
  1. Allocations of the Public Budget
  2. Proceeds of the Fund's funds and returns of investment
  3. Aids, contributions, donations and grants on condition that the approval of Ministers' Council is obtained if of non-Jordanian origin.
  4. The percentage identified by the Ministers' Council of returns resulting from sale of carbon emission reduction certificates related to energy projects.
  5. Any other resources approved by the Ministers' Council.
- b. The Fund shall be subject to the Audit Bureau monitoring.
- c. The Fund shall have a special bank account. Its amounts shall be deposited in a separate account at one or more commercial banks as approved by the Committee.
- d. The Committee shall define procedures for accounting and financial control, including deposit of Fund's amounts, opening of bank accounts, and preparation of expenditure notes.
- e. The Committee shall task a certified public accountant to audit the Fund's accounts and prepare the Fund's Annual Financial Report.
- f. The Committee shall approve the ceilings or percentages on the amounts allocated for different types of support offered by the Fund for each project or beneficiary. The Committee may change in these ceiling amounts or allocations in the future based on market conditions, the performance of the financing schemes and the Fund's financial status.
- g. It is not permissible to allocate or expend any amount of the Fund for other projects not related to the Fund's work scope or not included in its annual plan that are subject to the conditions and terms of reference for its work.
- h. The Committee approves allocation of amounts for projects included within the annual plan.

**Article 6:**

**The Fund aims to achieve the following:**

- a- Provide necessary funding to contribute in utilization of renewable energy and energy efficiency sources to include small projects.

- b- Support programs and projects to utilize and develop renewable energy resources.
- c- Submit financial proposals and schemes to institutions and international donor institutions and programs.
- d- Cooperate with local and international financial institutions, aid programs, and other stakeholders to support renewable energy and energy efficiency programs and projects.

**Article 7:**

- a- The Committee shall identify means of expenditures and funding of different programs and projects and categories that are utilized by the Fund to achieve its objectives within clear action plan. Funding of programs and projects and expenditures include the following:
  - 1) Develop programs and mechanisms to assist targeted groups to obtain needed funding for renewable energy and energy efficiency projects from local and international banks, institutions and donor programs.
  - 2) Guarantee banks loans' interests of projects launched by the Fund
  - 3) Provide funding, on revolving loan basis, to implementing agencies of the Fund's projects and programs to include Electricity Distribution companies, small financing institutions and local civil society organizations.
  - 4) Risk or credit guarantees in coordination with different financial schemes providers.
  - 5) Grants offering
  - 6) Co-financing of Fund's-related projects within specific financial mechanisms in cooperation with local and international financial institutions and donor agencies.
  - 7) Offer energy audit subsidies.
  - 8) Financing of energy feasibility studies of renewable energy and energy efficiency projects.
  - 9) Funding of public information and awareness campaigns of issues of renewable energy and energy efficiency.
  - 10) Equity participation (seed capital) in modern technology companies that offer value added interventions in renewable energy and energy efficiency. The size of the value added intervention shall be estimated through special technical committee.
- b- Based on the approval of the Committee, it is allowable to allocate part of the operational expenses to support projects and beneficiaries of special innovation nature related to renewable energy and energy efficiency.
- c- In the event that the Fund finds, after reviewing the reports of implementation of funded projects, that funds have not been properly utilized for the allocated purpose, the Fund has the right to request projects owners and beneficiaries to repay allocated funds as well as due official interest.

- d- The Committee endorses principles, guarantees and procedures needed to regain expended funds and interest, in the event that funds were not properly utilized.

**Article 8:**

- a- The Committee, or whoever is authorized, shall develop criteria, conditions and terms of reference that identify nature of projects, and beneficiaries eligible for support from the Fund. The beneficiaries may include, but not be limited to:
  - 1. Private sector entities.
  - 2. Government agencies
  - 3. Non-profit organizations and non-governmental organizations
  - 4. Community associations
  - 5. Scientific societies, academic institutions, and research centers
  - 6. Individuals
- b- The Committee shall develop the application form and procedures for applicants requesting support from the Fund.

**Article 9:**

- a- The Committee, or who is authorized, shall prepare progress reports that will include relevant technical and financial information on the operations of the Fund. These progress reports will be prepared at regular intervals.
- b- The Committee, or who is authorized, shall prepare an Annual Report providing information on the operational and financial performance of the Fund to be reviewed and approved by the Committee. The Annual Report shall be published on the Fund's web site.
- c- Members of the Committee shall not have any conflict of interest to the Fund's interests, operations and programs, subject to terminate membership and held legal responsibility resulting from that.
- d- The Committee, or who is authorized, shall monitor and evaluate the Fund's performance and results of projects that obtained support from the Fund.
- e- The Committee shall task an independent third-party organization to conduct the monitoring and evaluation of the Fund's performance documenting the results and progress with respect to the key performance indicators. The report shall be made available on the Fund's website.
- f- The Committee may task experts and technicians to assist in performing its tasks, and may invite them to attend its meetings to hear their opinions without having the right to

vote. The Committee Chairman may offer such experts and technicians honorarium equivalent with works they presented upon the recommendation of the Director.

**Article 10-**

Honorariums of Committee's members are set by a decision of the Ministers' Council upon the recommendation of the Chairman of the Committee.

**Article 11-**

The Committee's chairman shall issue necessary regulations needed to implement provisions of this Bylaw.

## II. STTA Provided During the Quarter

	Consultant	Arrival	Departure	Task #	Expertise
1.	David Lockhart	27-Sep-2014	14-Oct-2014	Task 4	Legal/regulatory expert
2.	John Carlton	12-Oct-2014	30-Oct-2014	Task 4	Waste-to-energy contract tendering
3.	Phil Coleman	11-Oct-2014	24-Oct-2014	Task 2	Energy efficiency action planning
4.	Ljupka Arsova	12-Oct-2014	24-Oct-2014	Task 4	Waste-to-energy contract tendering
5.	Dilip Limaye	18-Oct-2014	31-Oct-2014	Task 2	Clean energy fund establishment
6.	Kate Wharton	04-Nov-2014	21-Nov-2014	PMO	Program management
7.	Mark Stetz	02-Dec-2014	18-Dec-2014T	Tasks 2 & 3	Energy auditing
8.	Kate Wharton	10-Dec-2014	21-Dec-2014	PMO	Program management

## III. Deliverables Completed During this Quarter

Work Plan No.	Deliverable Name	Version	Date Due	Date Completed
1.4.1	DSM proposal template to be used by all utilities	Final	30-Dec-2014	30 Dec 2014
2.2.3	REEED grant applications from other Ministries	Final	1-Sept-2014	1 Sept 2014
3.4.5	CMVP training material developed	Final	15-Jan-2015	11-Dec-2014
3.4.5	CMVP training delivered	Final	15-Jan-2015	11-Dec-2014
3.4.7	Memo on support activities: ECO Cities of the Mediterranean Event Brief	Final	15-Nov-2014	20-Nov-2014

## IV. Updated Deliverables Schedule

Sub-Activity	Deliverable Name	Status	Due	Task Start	Task End	Notes/Changes
1.1.1 Financial modeling of EE and DSM	1.1.1 Deliverable: Market study on EE goods and services related to DSM proposals	Ongoing	4/31/2015	Sep-14	4/31/2015	
	1.1.1 Deliverable: NEPCO DSM model	Ongoing	4/31/2015	Sep-14	4/31/2015	
1.1.2 Coordinate with NERC on DSM technology market studies	1.1.2 Deliverable: Market study on EE goods and services related to DSM proposals	Ongoing	4/31/2015	Oct-14	4/31/2015	Discussions have been held with NERC; task may be completed internally
1.2.1 Support the evaluation of DSM proposals	1.2.1 Deliverable: Evaluation Criteria	Ongoing	3/31/2015	Oct-14	3/31/2015	
	1.2.1 Deliverable: Evaluation guidelines and process	Ongoing	3/31/2015	Oct-14	3/31/2015	
1.2.2 Facilitate DSM Incentive negotiations	1.2.2 Deliverable: Incentive mechanism details for each DSM program	Not Started	02/28/15	Nov-14	2/28/2015	
1.2.3 Develop regulatory oversight procedures for DSM programs	1.2.3 Deliverable: EMRC Board policy on DSM	Not Started	03/30/15	Nov-14	3/30/2015	
	1.2.3 Deliverable: Templates for annual DSM plan	Not Started	3/30/2015	Nov-14	3/30/2015	
	1.2.3 Deliverable: Templates for quarterly and annual DSM reports	Not Started	3/30/2015	Nov-14	3/30/2015	
1.3 Workshop to Launch DSM Implementation	1.3 Deliverable: DSM information on MEMR and EMRC websites	Not Started	5/31/2015	Oct-14	5/31/2015	Pending completion of DSM proposals and EMRC review
	1.3 Deliverable: Launch event co-sponsored by MEMR and EMRC	Not Started	2/28/2015	Oct-14	2/28/2015	
	1.3 Deliverable: Media packages	Not Started	5/31/2015	Oct-14	5/31/2015	
1.4.1 Develop a template for DSM proposals compliant with the EMRC Letter of Instruction	1.4.1 Deliverable: DSM proposal template to be used by all utilities	Completed	12/30/2014	Sep-14	12/30/2014	Template completed and being used to develop DSM proposals
1.4.2 Support DISCOs and NEPCO in conducting due diligence to confirm details of their DSM proposals	1.4.2 Deliverable: Contracts with trade allies	Ongoing	4/31/2015	Sep-14	4/31/2015	
	1.4.2 Deliverable: Specifications for implementing DSM measures	Ongoing	5/31/2015	Sep-14	5/31/2015	
	1.4.2 Deliverable: Technology assessment of DSM measures	Ongoing	3/31/2015	Sep-14	3/31/2015	
1.4.3 Confirm cost-effectiveness of DSM measures	1.4.3 Deliverable: Cost-effectiveness results of DSM programs proposed	Ongoing	2/15/2015	Sep-14	2/15/2015	Analysis included in proposals
1.4.4 Support preparation of detailed DSM pilot program proposals	1.4.4 Deliverable: DSM program proposals for 2015 for each distributor	Ongoing	2/16/2015	Sep-14	2/16/2015	
1.4.5 Plan additional DSM programs	1.4.5 Deliverable: DSM program proposals for 2016-2017	Not Started	09/01/15	Jul-15	12/31/2015	

1.5.1 Support to pilot project implementation	1.5.1 Deliverable: Promotion campaign	Not Started	3/30/2015	Nov-14	3/30/2015	
	1.5.1 Deliverable: Quality assurance activity	Not Started	3/30/2015	Nov-14	3/30/2015	
	1.5.1 Deliverable: Tracking and reporting system	Not Started	3/30/2015	Nov-14	3/30/2015	
	1.5.1 Deliverable: Trade ally strategy	Not Started	3/30/2015	Nov-14	3/30/2015	
1.5.2 Develop pilot DSM programs that target communities hosting Syrian refugees	1.5.2 Deliverable: DSM Program designs	In progress	05/01/15	Nov-14	6/30/2015	Coordinated with UN Response Program
	1.5.2 Deliverable: Identification of target communities, one each for IDECO, EDCO, and JEPCO (E. Amman)	Not Started	06/01/15	Nov-14	4/30/2015	
1.6.1 Assist MEMR and EMRC to define the requisite ME&V program	1.6.1 Deliverable: ME&V approach, including whether to use third party evaluators	Not Started	07/01/15	Jan-15	7/31/2015	
	1.6.1 Deliverable: ME&V data collection requirements	Not Started	07/01/15	Jan-15	7/31/2015	
1.6.2 Support ME&V implementation	1.6.2 Deliverable: Establish electronic database for tracking and reporting	Not Started	07/30/15	Apr-15	7/30/2015	
1.6.3 Conduct practice impact validation experiments with JRF and Mercy Corps	1.6.3 Deliverable: JRF SWH Program impacts study	Ongoing	02/01/15	Oct-14	2/28/2015	
	1.6.3 Deliverable: Mercy Corps PV program impacts study	Ongoing	02/01/15	Oct-14	2/28/2015	
	1.6.3 Deliverable: Technical seminar on impact validation of household DMS programs	Not Started	03/30/15	Oct-14	3/30/2015	
1.6.4 Support EMRC to build independent DSM evaluation capacity	1.6.4 Deliverable: Assist EMRC in securing third party evaluation consultants	Not Started	10/01/15	Sep-14	12/31/2015	
2.1.1 Support application of load survey and billing data for planning and operations	2.1.1 Deliverable: CSPro training	Not Started	03/30/15	Dec-14	6/30/2015	
	2.1.1 Deliverable: SPSS training	Not Started	03/30/15	Dec-14	6/30/2015	
	2.1.1 Deliverable: Training on statistical analysis methods	Not Started	03/30/15	Dec-14	6/30/2015	
2.1.2 Technical assistance on revenue protection and commercial loss reduction mechanisms	2.1.2 Deliverable: Commercial loss strategies for each distributor	Not Started	06/01/15	Jan-15	9/30/2015	
	2.1.2 Deliverable: Road map on commercial loss reduction	Not Started	06/01/15	Jan-15	9/30/2015	
2.1.3 Performance benchmarking compliance strategies	2.1.3 Deliverable: Assess performance benchmarking compliance	Not Started	08/01/15	Dec-14	6/30/2015	Deliverable due date is after task end date
	2.1.3 Deliverable: Recommend improvements	Not Started	08/01/15	Dec-14	6/30/2015	Deliverable due date is after task end date
2.2.1 Provide capacity building and technical assistance to implement the PM's Decree on Energy Saving	2.2.1 Deliverable: Customized Action Plans for selected ministries	Ongoing	05/01/15	Sep-14	5/30/2015	
	2.2.1 Deliverable: Energy assessment guidelines	Ongoing	05/01/15	Sep-14	5/30/2015	
	2.2.1 Deliverable: Generic action plan for government EE activities	Ongoing	05/01/15	Sep-14	5/30/2015	
	2.2.1 Deliverable: Guidelines for facility operators and maintenance staff	Not Started	05/01/15	Sep-14	5/30/2015	

2.2.2 Update the NEEAP and develop a system to track progress towards the 2020 energy saving target	2.2.2 Deliverable: 20% energy demand reduction Action Plan	Not Started	09/01/15	Jun-15	9/30/2015	
	2.2.2 Deliverable: Report on NEEAP progress and recommended updating	Not Started	09/01/15	Jun-15	9/30/2015	
2.2.3 Support MEMR to help other Ministries apply for REED grants	2.2.3 Deliverable: Grant applications	Completed	09/01/14	Sep-14	1/31/2015	Grant application submitted
2.2.4 Conduct training identified in MEMR's capacity building action plan	2.2.4 Deliverable: Awareness campaign design	Not Started	04/30/15	Oct-14	9/30/2015	
	2.2.4 Deliverable: Campaign monitoring and evaluation	Not Started	09/30/15	Oct-14	9/30/2015	
2.3.1 Provide capacity building and on-the-job training to address EMRC's immediate needs: 1) marginal costing and tariff review; 2) support to retail wheeling	2.3.1 Deliverable: Marginal cost of service study	Not Started	09/01/15	Nov-14	9/30/2015	
	2.3.1 Deliverable: Recommended retail tariff structure	Not Started	09/01/15	Nov-14	9/30/2015	
	2.3.1 Deliverable: Retail tariff review study	Not Started	09/01/15	Nov-14	9/30/2015	
	2.3.1 Deliverable: Revenue forecasting tool	Not Started	09/01/15	Nov-14	9/30/2015	
	2.3.1 Deliverable: Streamlined wheeling agreements	Not Started	09/01/15	Nov-14	9/30/2015	
2.4.1 Establish and operational JREEF within MEMR	2.4.1 Deliverable: Bylaw	Ongoing	04/01/15	Sep-14	9/30/2015	
	2.4.1 Deliverable: JREEF Annual Report	Not Started	04/01/15	Sep-14	9/30/2015	
	2.4.1 Deliverable: Management Committee Charter	Ongoing	04/01/15	Sep-14	9/30/2015	
	2.4.1 Deliverable: Operational Manual	Ongoing	04/01/15	Sep-14	9/30/2015	
	2.4.1 Deliverable: Organization Plan	Ongoing	04/01/15	Sep-14	9/30/2015	
	2.4.1 Deliverable: Road Map	Ongoing	04/01/15	Sep-14	9/30/2015	
	2.4.1 Deliverable: Strategy Document	Ongoing	04/01/15	Sep-14	9/30/2015	
2.4.2 Support creation of a Communications Office within MEMR	2.4.2 Deliverable: Communications Action Plan	Not Started	04/30/15	Oct-14	5/31/2015	
	2.4.2 Deliverable: Social Media Training	Not Started	04/30/15	Oct-14	5/31/2015	
	2.4.2 Deliverable: Strategic Communication Planning training	Not Started	04/30/15	Oct-14	5/31/2015	
2.4.3 Update the Energy Sector Strategy	2.4.3 Deliverable: Training on sector-wide modeling	Not Started	09/01/15	Jan-15	9/30/2015	
	2.4.3 Deliverable: Updated energy sector strategy	Not Started	09/01/15	Jan-15	9/30/2015	
2.5.1 Provide technical assistance to NEPCO, MEMR, and DISCOs regarding integrating renewable power projects	2.5.1 Deliverable: Capacity building on grid impact studies	Not Started	07/01/15	Oct-14	7/31/2015	
	2.5.1 Deliverable: Operating protocols for wind and PV projects	Not Started	07/01/15	Oct-14	7/31/2015	
	2.5.1 Deliverable: Streamlined interconnection procedures for low- and medium-voltage connections	Not Started	07/01/15	Oct-14	7/31/2015	
	2.5.1 Deliverable: Streamlined retail wheeling	Not	07/01/15	Oct-14	7/31/2015	

		Started				
	2.5.1 Deliverable: Study on ceilings for renewable penetration on the grid and distribution networks	Not Started	07/01/15	Oct-14	7/31/2015	
2.5.2 Assist NERC to develop PV and SWH test facility specifications	2.5.2 Deliverable: Tendering documents for SWH test facility	Cancelled	01/01/15	Oct-14	1/31/2015	NERC no longer needed the assistance
2.6.1 Support to standards, testing, and labelling community	2.6.1 Deliverable: Institutional plan for quality assurance of EE and RE devices	Not Started	09/01/15	Nov-14	9/30/2015	
	2.6.1 Deliverable: Road map for establishing quality assurance regimes	Not Started	09/01/15	Nov-14	9/30/2015	
2.6.2 Create a market surveillance strategy for RE and EE products	2.6.2 Deliverable: Annual reports on RE and EE product availability and cost	Not Started	06/01/15	Nov-14	9/30/2015	
2.6.3 Support to organizational development of MEMR	2.6.3 Deliverable: Departments duties	Not Started	08/01/15	Nov-14	8/31/2015	
	2.6.3 Deliverable: Job descriptions	Not Started	08/01/15	Nov-14	8/31/2015	
	2.6.3 Deliverable: Revised organizational structure	Not Started	08/01/15	Nov-14	8/31/2015	
	2.6.3 Deliverable: SOPs	Not Started	08/01/15	Nov-14	8/31/2015	
2.7.1 Develop a license-issuing capability for non-energy facilities now under the purview of EMRC	2.7.1 Deliverable: Licensing of non-energy producing infrastructure instructions	Not Started	05/01/15	Jan-15	5/30/2015	
2.7.2 Establish data warehouse for distributor performance monitoring	2.7.2 Deliverable: Data warehouse	Not Started	07/01/15	Nov-14	7/31/2015	
	2.7.2 Deliverable: Distributor performance data collection system	Not Started	07/01/15	Nov-14	7/31/2015	
2.7.3 Technical Assistance to Weather Emergency Planning and Operations	2.7.3 Deliverable: Guidance on weather emergency planning and operations for utilities	Not Started	06/01/15	Nov-14	6/30/2015	
	2.7.3 Deliverable: Weather Emergency Action Plan for EMRC	Not Started	06/01/15	Nov-14	6/30/2015	
3.1.1 Establish publically available database of the highest energy consuming businesses	3.1.1 Deliverable: Database established	Cancelled	01/15/15	Oct-14	Dec-14	Information can not be shared by MEMR
3.1.2 Propose financing mechanisms and process to key stakeholders	3.1.2 Deliverable: Financing mechanism report	Ongoing	04/15/15	Jan-15	Mar-15	Deliverable due date is after task end date
3.1.3 Conduct training program for ESPs and financial institutions on financing	3.1.3 Deliverable: Training delivered	Not Started	06/01/15	Mar-15	May-15	
	3.1.3 Deliverable: Training materials developed	Not Started	06/01/15	Mar-15	May-15	
3.1.4 Provide one-to-one technical assistance to implement financing mechanisms	3.1.4 Deliverable: Technical assistance report	Not Started	08/01/15	Mar-15	Jul-15	
3.1.5 One-to-one consultations with ESPs to strengthen their businesses	3.1.5 Deliverable: Documentation on assistance provided	Ongoing	07/01/15	Oct-14	Jun-15	
3.1.6 Establish utility based ESCO for EE project implementation	3.1.6 Deliverable: Strategy, business plan, and marketing plan	Not Started	08/15/15	Mar-15	Aug-15	

3.1.7 Promote ISO 50001 to large consumers	3.1.7 Deliverable: Targeted materials for ISO target customers	Not Started	08/30/15	Jan-15	Aug-15	
3.1.8 Support ongoing internship and mentorship programs in the ESP industry	3.1.8 Deliverable: Internship/mentorship report	Ongoing	09/30/15	Jan-15	Sep-15	
3.2.1 Develop contractual templates and M&V system	3.2.1 Deliverable: Templates and M&V system developed and made accessible	Ongoing	02/15/15	Oct-14	Feb-15	
3.2.2 Organize a workshop on contract laws and regulations	3.2.2 Deliverable: Training delivered	Not Started	04/15/15	Jan-15	Apr-15	
	3.2.2 Deliverable: Training materials developed	Ongoing	04/15/15	Jan-15	Apr-15	
3.3.1 Design an ESP accreditation mechanism	3.3.1 Deliverable: ESP Accreditation Mechanism report	Ongoing	03/30/15	Oct-14	Mar-15	
3.3.2 Support the acceptance of the accreditation system by ESPs, large consumers, and financing institutions	3.3.2 Deliverable: Training delivered	Not Started	07/15/15	Nov-14	Jul-15	
	3.3.2 Deliverable: Training material developed	Not Started	07/15/15	Nov-14	Jul-15	
3.3.3 Organize and deliver a forum to present the accreditation system to the relevant stakeholders	3.3.3 Deliverable: Accreditation process initiated	Ongoing	02/15/15	Jan-15	Feb-15	
3.3.4 Setup accreditation committee	3.3.4 Deliverable: Accreditation system process manual	Not Started	04/15/15	Nov-14	Apr-15	
	3.3.4 Deliverable: Working group and task force reports	Not Started	04/15/15	Nov-14	Apr-15	
3.3.5 Implement first accreditation cycle	3.3.5 Deliverable: Accreditation application documents and database	Not Started	07/15/15	Apr-15	Jul-15	
3.3.6 Provide technical assistance to ESPs on the accreditation	3.3.6 Deliverable: One accredited ESP	Not Started	10/01/15	Jul-15	Sep-15	
3.3.7 Provide technical support to MEMR on licensing of energy auditors	3.3.7 Deliverable: Technical support memo	Cancelled	01/15/15	Nov-14	Dec-14	MEMR stated no assistance needed
3.4.1 Work with selected members of the coalition to develop the organization, bylaws and action plan	3.4.1 Deliverable: Association report	Ongoing	01/15/15	Oct-14	Jan-15	MOU developed
3.4.2 Develop outreach and communications strategy for ESPs through the coalition	3.4.2 Deliverable: Outreach report	Not Started	04/15/15	Jan-15	Apr-15	
3.4.3 Define legal status of the coalition	3.4.3 Deliverable: Legal assessment of potential options for coalition structure	Complete	01/15/15	Oct-14	Jan-15	
3.4.4 Establish partnership with the US ESCO industry	3.4.4 Deliverable: Plan for additional training and service offerings	Not Started	09/15/15	Nov-14	Sep-15	
	3.4.4 Deliverable: Partnership report	Not Started	09/15/15	Nov-14	Sep-15	
3.4.5 Train and certify NERC and JEC trainers in CMVP	3.4.5 Deliverable: Training delivered	Complete	01/15/15	Nov-14	Jan-15	
	3.4.5 Deliverable: Training material developed	Complete	01/15/15	Nov-14	Jan-15	
3.4.6 Develop strategy and plan for energy auditor training for investment grade energy audits	3.4.6 Deliverable: Strategy and plan developed	Not Started	03/15/15	Nov-14	Mar-15	
	3.4.6 Deliverable: Training delivered	Not Started	03/15/15	Nov-14	Mar-15	

	3.4.6 Deliverable: Training material developed	Not Started	03/15/15	Nov-14	Mar-15	
3.4.7 Support regional conference on EE and environment (Eco Cities)	3.4.7 Deliverable: Memo on support activities	Complete	11/15/14	Oct-14	Nov-15	
3.5.1 Train women in installation of energy efficiency and small scale renewable energy equipment	3.5.1 Deliverable: Training delivered	Not Started	10/01/15	Jul-15	Sep-15	
	3.5.1 Deliverable: Training materials developed	Not Started	10/01/15	Jul-15	Sep-15	
3.5.2 Establish a mentorship program for women in the energy sector	3.5.2 Deliverable: Mentorship report	Ongoing	10/15/15	Jul-15	Oct-15	
3.5.3 Promote women's participation and leadership in ESP associations and the coalition	3.5.3 Deliverable: Women participation report	Ongoing	10/15/15	Sep-14	Oct-15	
3.5.4 Create energy sector interest groups within women's associations, including CWEEL	3.5.4 Deliverable: Interest group established	Ongoing	10/15/15	Sep-14	Oct-15	
4.1 Install solar PV at MOPIC and Jordan Customs	4.1 Deliverable: Installed and operational systems	Ongoing	4/31/15	Sep-14	Apr-15	
4.2 Provide assistance to MEMR and GAM in developing a waste-to-energy tender	4.2 Deliverable: "Results-oriented" tendering Concept Note	Ongoing	02/01/15	Oct-14	May-15	
	4.2 Deliverable: Detailed tender evaluation plan	Ongoing	02/01/15	Oct-14	May-15	
	4.2 Deliverable: Detailed tendering documents	Ongoing	02/01/15	Oct-14	May-15	

## V. Project Inventory List

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	USA10551-01	09/26/13	10/29/13	428.87	JOD 304.50	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	002
Desk 160 cm+ Lateral Extension+Pedestal 4 Drawers	ESCB2	Las Mobilis	106355	FQ000789-2-ESCB2	USA10551-01	09/26/13	10/29/13	428.87	JOD 304.50	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	002
Desk 160 cm+ Lateral Extension+Pedestal 4 Drawers	ESCB3	Las Mobilis	106355	FQ000789-2-ESCB3	USA10551-01	09/26/13	10/29/13	428.87	JOD 304.50	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	002
Desk 160 cm+ Lateral Extension+Pedestal 4 Drawers	ESCB4	Las Mobilis	106355	FQ000789-2-ESCB4	USA10551-01	09/26/13	10/29/13	428.87	JOD 304.50	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	002
Desk 160 cm+ Lateral Extension+Pedestal 4 Drawers	ESCB5	Las Mobilis	106355	FQ000789-2-ESCB5	USA10551-01	09/26/13	10/29/13	428.87	JOD 304.50	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	002
Desk 160 cm+ Lateral Extension+Pedestal 4 Drawers	ESCB6	Las Mobilis	106355	FQ000789-2-ESCB6	USA10551-01	09/26/13	10/29/13	428.87	JOD 304.50	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	014
Desk 160 cm+ Lateral Extension+Pedestal 4 Drawers	ESCB7	Las Mobilis	106355	FQ000789-2-ESCB7	USA10551-01	09/26/13	10/29/13	428.87	JOD 304.50	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	008
Desk 160 cm+ Lateral Extension+Pedestal 4 Drawers	ESCB8	Las Mobilis	106355	FQ000789-2-ESCB8	USA10551-01	09/26/13	10/29/13	428.87	JOD 304.50	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	009
Desk 160 cm+ Lateral Extension+Pedestal 4 Drawers	ESCB9	Las Mobilis	106355	FQ000789-2-ESCB9	USA10551-01	09/26/13	10/29/13	428.87	JOD 304.50	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	007
Desk 140 cm+Pedestal 2 Drawers	ESCB10	Las Mobilis	106354	FQ000789-2-ESCB10	USA10551-01	09/26/13	10/29/13	263.03	JOD 186.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	014
Desk 140 cm+Pedestal 2 Drawers	ESCB11	Las Mobilis	106354	FQ000789-2-ESCB11	USA10551-01	09/26/13	10/29/13	263.03	JOD 186.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	007
Desk 140 cm+Pedestal 2 Drawers	ESCB12	Las Mobilis	106354	FQ000789-2-ESCB12	USA10551-01	09/26/13	10/29/13	263.03	JOD 186.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	007
Desk 140 cm+Pedestal 2 Drawers	ESCB13	Las Mobilis	106354	FQ000789-2-ESCB13	USA10551-01	09/26/13	10/29/13	263.03	JOD 186.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	003

Desk 140 cm+Pedestal 2 Drawers	ESCB14	Las Mobilis	106354	FQ000789-2-ESCB14	USA10551-01	09/26/13	10/29/13	263.03	JOD 186.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	003
Desk 180 cm+ Lateral Extension+Pedestal 4 Drawers	ESCB15	Las Mobilis	106356	FQ000789-2-ESCB15	USA10551-01	09/26/13	10/29/13	440.49	JOD 312.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	006
Desk 180 cm+ Lateral Extension+Pedestal 4 Drawers	ESCB16	Las Mobilis	106356	FQ000789-2-ESCB16	USA10551-01	09/26/13	10/29/13	440.49	JOD 312.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	005
Front Panel L 140 cm	ESCB17	Las Mobilis	106292	FQ000789-2-ESCB17	USA10551-01	09/26/13	10/29/13	75.84	JOD 53.85	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	003
High cabinet L90xD35xH 198.4 cm	ESCB18	Las Mobilis	113636	FQ000789-2-ESCB18	USA10551-01	09/26/13	10/29/13	389.79	JOD 276.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	008
High cabinet L90xD35xH 198.4 cm	ESCB19	Las Mobilis	113636	FQ000789-2-ESCB19	USA10551-01	09/26/13	10/29/13	389.79	JOD 276.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	009
High cabinet L90xD35xH 198.4 cm	ESCB20	Las Mobilis	113636	FQ000789-2-ESCB20	USA10551-01	09/26/13	10/29/13	389.79	JOD 276.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	009
High cabinet L90xD46.2xH 198.4 cm	ESCB21	Las Mobilis	113588	FQ000789-2-ESCB21	USA10551-01	09/26/13	10/29/13	426.76	JOD 303.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	014
High cabinet L90xD46.2xH 198.4 cm	ESCB22	Las Mobilis	113588	FQ000789-2-ESCB22	USA10551-01	09/26/13	10/29/13	426.76	JOD 303.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	003
Low cabinet L90xD35xH 83.2 cm	ESCB23	Las Mobilis	113603	FQ000789-2-ESCB23	USA10551-01	09/26/13	10/29/13	191.20	JOD 135.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	014
Low cabinet L90xD46.2xH 83.2 cm	ESCB24	Las Mobilis	113513	FQ000789-2-ESCB24	USA10551-01	09/26/13	10/29/13	209.62	JOD 148.83	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	008
Low cabinet L90xD46.2xH 83.2 cm	ESCB25	Las Mobilis	113513	FQ000789-2-ESCB25	USA10551-01	09/26/13	10/29/13	209.62	JOD 148.83	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	004
Low cabinet L90xD46.2xH 83.2 cm	ESCB26	Las Mobilis	113513	FQ000789-2-ESCB26	USA10551-01	09/26/13	10/29/13	209.62	JOD 148.83	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	004
Low cabinet L90xD35xH 83.2 cm	ESCB27	Las Mobilis	113603	FQ000789-2-ESCB27	USA10551-01	09/26/13	10/29/13	191.20	JOD 135.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	002
Low cabinet L90xD35xH 83.2 cm	ESCB28	Las Mobilis	113603	FQ000789-2-ESCB28	USA10551-01	09/26/13	10/29/13	191.20	JOD 135.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	002
Low cabinet L90xD35xH 83.2 cm	ESCB29	Las Mobilis	113603	FQ000789-2-ESCB29	USA10551-01	09/26/13	10/29/13	191.20	JOD 135.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	002
Low cabinet L90xD35xH 83.2 cm	ESCB30	Las Mobilis	113603	FQ000789-2-ESCB30	USA10551-01	09/26/13	10/29/13	191.20	JOD 135.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	005
Low cabinet L90xD35xH 83.2 cm	ESCB31	Las Mobilis	113603	FQ000789-2-ESCB31	USA10551-01	09/26/13	10/29/13	191.20	JOD 135.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	006

Low cabinet L90xD35xH 83.2 cm	ESCB32	Las Mobilis	113603	FQ000789- 2-ESCB32	USA10551- 01	09/26/13	10/29/13	191.20	JOD 135.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	007
Low cabinet L90xD35xH 83.2 cm	ESCB33	Las Mobilis	113603	FQ000789- 2-ESCB33	USA10551- 01	09/26/13	10/29/13	191.20	JOD 135.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	008
Low cabinet L90xD35xH 83.2 cm	ESCB34	Las Mobilis	113603	FQ000789- 2-ESCB34	USA10551- 01	09/26/13	10/29/13	191.20	JOD 135.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	010
Low cabinet L90xD35xH 83.2 cm	ESCB35	Las Mobilis	113603	FQ000789- 2-ESCB35	USA10551- 01	09/26/13	10/29/13	191.20	JOD 135.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	014
Low cabinet L90xD35xH 83.2 cm	ESCB36	Las Mobilis	113603	FQ000789- 2-ESCB36	USA10551- 01	09/26/13	10/29/13	191.20	JOD 135.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	011
Low cabinet L90xD35xH 83.2 cm	ESCB37	Las Mobilis	113603	FQ000789- 2-ESCB37	USA10551- 01	09/26/13	10/29/13	191.20	JOD 135.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	011
Coffee Table L60xD60xH39.5 cm	ESCB38	Las Mobilis	155147	FQ000789- 2-ESCB38	USA10551- 01	09/26/13	10/29/13	85.56	JOD 60.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	014
Coffee Table L60xD60xH39.5 cm	ESCB39	Las Mobilis	155147	FQ000789- 2-ESCB39	USA10551- 01	09/26/13	10/29/13	85.56	JOD 60.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	005
Coffee Table L60xD60xH39.5 cm	ESCB40	Las Mobilis	155147	FQ000789- 2-ESCB40	USA10551- 01	09/26/13	10/29/13	85.56	JOD 60.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	006
Coffee Table L60xD60xH39.5 cm	ESCB41	Las Mobilis	155147	FQ000789- 2-ESCB41	USA10551- 01	09/26/13	10/29/13	85.56	JOD 60.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	008
Coffee Table L60xD60xH39.5 cm	ESCB42	Las Mobilis	155147	FQ000789- 2-ESCB42	USA10551- 01	09/26/13	10/29/13	85.56	JOD 60.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	009
Coffee Table L60xD60xH39.5 cm	ESCB43	Las Mobilis	155147	FQ000789- 2-ESCB43	USA10551- 01	09/26/13	10/29/13	85.56	JOD 60.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	007
Coffee Table L60xD60xH39.5 cm	ESCB44	Las Mobilis	155147	FQ000789- 2-ESCB44	USA10551- 01	09/26/13	10/29/13	85.56	JOD 60.75	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	001
Rectangular Meeting Table L 260 cm	ESCB45	Las Mobilis	106373	FQ000789- 2-ESCB45	USA10551- 01	09/26/13	10/29/13	327.46	JOD 232.50	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	004
Rectangular Meeting Table L 260 cm	ESCB46	Las Mobilis	106373	FQ000789- 2-ESCB46	USA10551- 01	09/26/13	10/29/13	327.46	JOD 232.50	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	004
Round Meeting Table/Metal Base L 120 cm	ESCB47	Las Mobilis	106093	FQ000789- 2-ESCB47	USA10551- 01	09/26/13	10/29/13	416.20	JOD 295.50	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	003
Meeting Chair	ESCB48	Euro Space	CAS2115	FQ000789- 2-ESCB48	USA10551- 01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	004
Meeting Chair	ESCB49	Euro Space	CAS2115	FQ000789- 2-ESCB49	USA10551- 01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	004
Meeting Chair	ESCB50	Euro Space	CAS2115	FQ000789- 2-ESCB50	USA10551-	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired	FQ000789-2	Amman, Jordan	Yes	Furniture	004

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Meeting Chair	ESCB51	Euro Space	CAS2115	FQ000789-2-ESCB51	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	004
Meeting Chair	ESCB52	Euro Space	CAS2115	FQ000789-2-ESCB52	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	004
Meeting Chair	ESCB53	Euro Space	CAS2115	FQ000789-2-ESCB53	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	004
Meeting Chair	ESCB54	Euro Space	CAS2115	FQ000789-2-ESCB54	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	004
Meeting Chair	ESCB55	Euro Space	CAS2115	FQ000789-2-ESCB55	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	004
Meeting Chair	ESCB56	Euro Space	CAS2115	FQ000789-2-ESCB56	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	004
Meeting Chair	ESCB57	Euro Space	CAS2115	FQ000789-2-ESCB57	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	004
Meeting Chair	ESCB58	Euro Space	CAS2115	FQ000789-2-ESCB58	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	004
Meeting Chair	ESCB59	Euro Space	CAS2115	FQ000789-2-ESCB59	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	004
Meeting Chair	ESCB60	Euro Space	CAS2115	FQ000789-2-ESCB60	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	004
Meeting Chair	ESCB61	Euro Space	CAS2115	FQ000789-2-ESCB61	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	004
Guest Chair / Euro Space	ESCB62	Euro Space	CAC291 5KNF	FQ000789-2-ESCB62	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	002
Guest Chair / Euro Space	ESCB63	Euro Space	CAC291 5KNF	FQ000789-2-ESCB63	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	002
Guest Chair / Euro Space	ESCB64	Euro Space	CAC291 5KNF	FQ000789-2-ESCB64	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	002
Guest Chair / Euro Space	ESCB65	Euro Space	CAC291 5KNF	FQ000789-2-ESCB65	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	002
Guest Chair / Euro Space	ESCB66	Euro Space	CAC291 5KNF	FQ000789-2-ESCB66	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	003
Guest Chair / Euro Space	ESCB67	Euro Space	CAC291 5KNF	FQ000789-2-ESCB67	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	003
Guest Chair / Euro Space	ESCB68	Euro Space	CAC291 5KNF	FQ000789-2-ESCB68	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	003

Guest Chair / Euro Space	ESCB69	Euro Space	CAC291 5KNF	FQ000789-2-ESCB69	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	003
Guest Chair / Euro Space	ESCB70	Euro Space	CAC291 5KNF	FQ000789-2-ESCB70	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	014
Guest Chair / Euro Space	ESCB71	Euro Space	CAC291 5KNF	FQ000789-2-ESCB71	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	014
Guest Chair / Euro Space	ESCB72	Euro Space	CAC291 5KNF	FQ000789-2-ESCB72	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	005
Guest Chair / Euro Space	ESCB73	Euro Space	CAC291 5KNF	FQ000789-2-ESCB73	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	005
Guest Chair / Euro Space	ESCB74	Euro Space	CAC291 5KNF	FQ000789-2-ESCB74	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	006
Guest Chair / Euro Space	ESCB75	Euro Space	CAC291 5KNF	FQ000789-2-ESCB75	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	006
Guest Chair / Euro Space	ESCB76	Euro Space	CAC291 5KNF	FQ000789-2-ESCB76	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	008
Guest Chair / Euro Space	ESCB77	Euro Space	CAC291 5KNF	FQ000789-2-ESCB77	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	007
Guest Chair / Euro Space	ESCB78	Euro Space	CAC291 5KNF	FQ000789-2-ESCB78	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	008
Guest Chair / Euro Space	ESCB79	Euro Space	CAC291 5KNF	FQ000789-2-ESCB79	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	009
Guest Chair / Euro Space	ESCB80	Euro Space	CAC291 5KNF	FQ000789-2-ESCB80	USA10551-01	09/26/13	10/29/13	146.48	JOD 104.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	010
High Back Chair/ Mesh	ESCB81	Euro Space	GS2110	FQ000789-2-ESCB81	USA10551-01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	002
High Back Chair/ Mesh	ESCB82	Euro Space	GS2110	FQ000789-2-ESCB82	USA10551-01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	002
High Back Chair/ Mesh	ESCB83	Euro Space	GS2110	FQ000789-2-ESCB83	USA10551-01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	002
High Back Chair/ Mesh	ESCB84	Euro Space	GS2110	FQ000789-2-ESCB84	USA10551-01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	002
High Back Chair/ Mesh	ESCB85	Euro Space	GS2110	FQ000789-2-ESCB85	USA10551-01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	002
High Back Chair/ Mesh	ESCB86	Euro Space	GS2110	FQ000789-2-ESCB86	USA10551-01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	001
High Back Chair/ Mesh	ESCB87	Euro Space	GS2110	FQ000789-2-ESCB87	USA10551-	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired	FQ000789-2	Amman, Jordan	Yes	Furniture	014

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High Back Chair/ Mish	ESCB88	Euro Space	GS2110	FQ000789- 2-ESCB88	USA10551- 01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	014
High Back Chair/ Mish	ESCB89	Euro Space	GS2110	FQ000789- 2-ESCB89	USA10551- 01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	003
High Back Chair/ Mish	ESCB90	Euro Space	GS2110	FQ000789- 2-ESCB90	USA10551- 01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	003
High Back Chair/ Mish	ESCB91	Euro Space	GS2110	FQ000789- 2-ESCB91	USA10551- 01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	005
High Back Chair/ Mish	ESCB92	Euro Space	GS2110	FQ000789- 2-ESCB92	USA10551- 01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	006
High Back Chair/ Mish	ESCB93	Euro Space	GS2110	FQ000789- 2-ESCB93	USA10551- 01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	007
High Back Chair/ Mish	ESCB94	Euro Space	GS2110	FQ000789- 2-ESCB94	USA10551- 01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	007
High Back Chair/ Mish	ESCB95	Euro Space	GS2110	FQ000789- 2-ESCB95	USA10551- 01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	008
High Back Chair/ Mish	ESCB96	Euro Space	GS2110	FQ000789- 2-ESCB96	USA10551- 01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	009
High Back Chair/ Mish	ESCB97	Euro Space	GS2110	FQ000789- 2-ESCB97	USA10551- 01	09/26/13	10/29/13	299.20	JOD 212.43	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	010
Photocopier Stand on Wheels	ESCB98	Las Mobilis	113409	FQ000789- 2-ESCB98	USA10551- 01	09/26/13	10/29/13	154.23	JOD 109.50	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	009
Photocopier Stand on Wheels	ESCB99	Las Mobilis	113409	FQ000789- 2-ESCB99	USA10551- 01	09/26/13	10/29/13	154.23	JOD 109.50	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	007
Photocopier Stand on Wheels	ESCB100	Las Mobilis	113409	FQ000789- 2-ESCB100	USA10551- 01	09/26/13	10/29/13	154.23	JOD 109.50	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	007
Single Arm Chair/ EuroSpace Solo	ESCB101	EuroSpace	SL2530	FQ000789- 2-ESCB101	USA10551- 01	09/26/13	10/29/13	202.82	JOD 144.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	001
Single Arm Chair/ EuroSpace Solo	ESCB102	EuroSpace	SL2531	FQ000789- 2-ESCB102	USA10551- 01	09/26/13	10/29/13	202.82	JOD 144.00	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	001
Linear Reception with 2 Glass top and Right-Left Storage	ESCB103	Las Mobilis	115337	FQ000789- 2-ESCB103	USA10551- 01	09/26/13	10/29/13	2232.11	JOD 1,584.80	Contractor Acquired Property	FQ000789-2	Amman, Jordan	Yes	Furniture	001
Laptop Dell Latitude with Software-Tareq Qubain	ESCB112	Dell	E5430	FSZZNX1	USA10551- 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- <b>Jamal Arja</b>	ESCB111	Dell	E5430	7T00PX1	USA10551-01	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- <b>Lama Abdelqader</b>	ESCB110	Dell	E5430	3VPZNX1	USA10551-01	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- <b>Majd Suleiman</b>	ESCB109	Dell	E5430	B4V1LX1	USA10551-01	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- <b>Suha Baggili</b>	ESCB106	Dell	E5430	8NZZNX1	USA10551-01	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- <b>Saja Jardaneh</b>	ESCB105	Dell	E5430	GTPZNX1	USA10551-01	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- <b>Mohammad Maaytah</b>	ESCB113	Dell	E5430	5TZZNX1	USA10551-01	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- <b>Jenine Jaradat</b>	ESCB108	Dell	E5430	BM00PX1	USA10551-01	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- <b>Adam Atari</b>	ESCB107	Dell	E5430	H9YZNX1	USA10551-01	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- <b>Alaa Aloul</b>	ESCB104	Dell	E5430	6MZZNX1	USA10551-01	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- <b>Sarah Aladdin</b>	ESCB114	Dell	E5430	FB3JRY1	USA10551-01	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	USA10551-01	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	USA10551-01	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	USA10551-01	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	USA10551-01	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	USA10551-01	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	USA10551-01	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	USA10551-01	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	USA10551-01	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	CIJFA10BK 10387	USA10551-01	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	CND8F7Z3 7R	USA10551-01	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	CND8F904 7R	USA10551-01	10/22/13	10/22/13	416.67	JOD 295.00	Contractor Acquired Property	14492	Amman, Jordan	Yes	Electronics	009
Printer	ESCB126	HP	Pro400	CND8F784 0N	USA10551-01	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	USA10551-01	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	21LYE1319 9	USA10551-01	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	USA10551-01	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	L13080001 8	USA10551-01	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	USA10551-01	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	USA10551-01	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	PEJJO05C0 E01385A02 04	USA10551-01	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	PEJJO04C0 E21384A05 17	USA10551-01	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	281304009 5310	USA10551-01	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	281211008 5741	USA10551-01	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	USA10551-01	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	USA10551-	11/05/13	11/05/13	127.12	JOD 90.00	Contractor Acquired	203	Amman, Jordan	Yes	Electronics	001

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Security Cam	ESCB139	HIK	HIK 600	DS23406	USA10551-01	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	USA10551-01	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	D34V76A1 4355C1	USA10551-01	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	D34V76A1 5809C1	USA10551-01	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	USA10551-01	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	USA10551-01	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	357998058 005129	USA10551-01	12/01/13	12/01/13	543.79	JOD 385.00	Contractor Acquired Property	POS273935 3	Amman, Jordan	Yes	Electronics	Grayson Heffner
Smart Phone/ Mary Wozala	ESCB146	Samsung	S4	358918052 960102	USA10551-01	12/01/13	12/01/13	338.98	JOD 240.00	Contractor Acquired Property	POS273937 7	Amman, Jordan	Yes	Electronics	Mary Wozala
Data Show	ESCB147	Epson	EB-X 11	PU3K3300 141	USA10551-01	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	1C4DJDG5 DC565115	USA10551-01	09/23/13	11/18/13	41300.00	JOD 29,240.40	Contractor Acquired Property	VS 10/2013	Amman, Jordan	Yes	Automotive	NA
Coat Hanger	ESCB149	Forsit	120900	FQ000842-2	USA10551-01	11-27-13	8/12/2013	123.59	JOD 87.50	Contractor Acquired Property	FQ000842-2	Amman, Jordan	Yes	Furniture	014
Coat Hanger	ESCB150	Forsit	120900	FQ000842-2	USA10551-01	11-27-13	8/12/2013	123.59	JOD 87.50	Contractor Acquired Property	FQ000842-2	Amman, Jordan	Yes	Furniture	002
Coat Hanger	ESCB151	Forsit	120900	FQ000842-2	USA10551-01	11-27-13	8/12/2013	123.59	JOD 87.50	Contractor Acquired Property	FQ000842-2	Amman, Jordan	Yes	Furniture	003
Coat Hanger	ESCB152	Forsit	120900	FQ000842-2	USA10551-01	11-27-13	8/12/2013	123.59	JOD 87.50	Contractor Acquired Property	FQ000842-2	Amman, Jordan	Yes	Furniture	007
Coat Hanger	ESCB153	Forsit	120900	FQ000842-2	USA10551-01	11-27-13	8/12/2013	123.59	JOD 87.50	Contractor Acquired Property	FQ000842-2	Amman, Jordan	Yes	Furniture	005
Coat Hanger	ESCB154	Forsit	120900	FQ000842-2	USA10551-01	11-27-13	8/12/2013	123.59	JOD 87.50	Contractor Acquired Property	FQ000842-2	Amman, Jordan	Yes	Furniture	008
External Hard Drive 2 TB	ESCB155	WD	WDBU^Y 0020BBK -EESN	WXA1E63F ZHJ2	USA10551-01	10/11/2013	11-28-13	149.72	JOD 106.00	Contractor Acquired Property	826	Amman, Jordan	Yes	Electronics	012
Expansion Desktop 2 TB	ESCB156	Seagate	SRD00F 2	NA4M30R9	USA10551-01	10/11/2013	11-28-13	158.19	JOD 112.00	Contractor Acquired Property	826	Amman, Jordan	Yes	Electronics	012

UPS	ESCB158	Tripp.Lite	SMARTI NT 2200VS	2315JY0S M67250001 7	USA10551- 01	10/11/2013	11-28-13	501.41	JOD 355.00	Contractor Acquired Property	826	Amman, Jordan	Yes	Electronics	012
PoE Switch	ESCB159	HP	J9138A# ABB	245DZ0PX	USA10551- 01	10/11/2013	11-28-13	776.84	JOD 550.00	Contractor Acquired Property	826	Amman, Jordan	Yes	Electronics	012
NAS Storage	ESCB160	Synology	DS412+	D9LIN0096 6	USA10551- 01	10/11/2013	11-28-13	833.33	JOD 590.00	Contractor Acquired Property	826	Amman, Jordan	Yes	Electronics	012
Firewall	ESCB161	Fortinet	60D	FGT60D46 13000475	USA10551- 01	10/11/2013	11-28-13	1009.89	JOD 715.00	Contractor Acquired Property	826	Amman, Jordan	Yes	Electronics	012
Access Point	ESCB162	Aruba	AP-93	BU0119743	USA10551- 01	10/11/2013	11-28-13	282.49	JOD 200.00	Contractor Acquired Property	826	Amman, Jordan	Yes	Electronics	001
Access Point	ESCB163	Aruba	AP-93	BU011945	USA10551- 01	10/11/2013	11-28-13	282.49	JOD 200.00	Contractor Acquired Property	826	Amman, Jordan	Yes	Electronics	007
Access Point	ESCB164	Aruba	AP-93	BU0119746	USA10551- 01	10/11/2013	11-28-13	282.49	JOD 200.00	Contractor Acquired Property	826	Amman, Jordan	Yes	Electronics	008
Access Point	ESCB165	Aruba	AP-93	BU0119749	USA10551- 01	10/11/2013	11-28-13	282.49	JOD 200.00	Contractor Acquired Property	826	Amman, Jordan	Yes	Electronics	002
Server+WinSvrD Std 2012+WinSvrCal 2012+KasperSky +WinSvrDStd DiskKit 2012 64 Bit	ESCB166	HP	DL 380e	CZJ34Z0Z HW	USA10551- 01	10/11/2013	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- 68PJC NO	WD- WCC4J089 9189	USA10551- 01	10/11/2013	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- 68PJC NO	WD- WCC4J090 5059	USA10551- 01	10/11/2013	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- 68PJC NO	WD- WCC4J090 0354	USA10551- 01	10/11/2013	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- 68PJC NO	WD- WCC4J091 3890	USA10551- 01	10/11/2013	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	13WZ0610 0AA7	USA10551- 01	09-26-13	5/11/2013	646.23	JOD 457.53	Contractor Acquired Property	18	Amman, Jordan	Yes	Electronics	012
Extension Card Dgtl STA 8	ESCB172	Avaya	PCS05	13WZ1360 0MU3	USA10551- 01	09-26-13	5/11/2013	282.49	JOD 200.00	Contractor Acquired Property	18	Amman, Jordan	Yes	Electronics	012
Extension Card Dgtl STA 8	ESCB173	Avaya	PCS05	13WZ1360 0MK5	USA10551- 01	09-26-13	5/11/2013	282.49	JOD 200.00	Contractor Acquired Property	18	Amman, Jordan	Yes	Electronics	012

IP 500 compo card ATM 4	ESCB174	Avaya	PCS08	13WZ050005D7	USA10551-01	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	USA10551-01	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	USA10551-01	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	USA10551-01	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	USA10551-01	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	USA10551-01	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	USA10551-01	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	USA10551-01	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	USA10551-01	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	USA10551-01	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	USA10551-01	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	13WZ026708U	USA10551-01	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	USA10551-01	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	USA10551-01	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	USA10551-01	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	USA10551-01	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	USA10551-01	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	13WZ13370555	USA10551-01	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	USA10551-	02-13-14	02-15-14	121.47	JOD 86.00	Contractor Acquired	16117	Amman, Jordan	Yes	Electronics	014

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Door Phone	ESCB193	ALGO	3226S	1225AK0178	USA10551-01	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	USA10551-01	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	USA10551-01	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	USA10551-01	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	USA10551-01	01-20-14	01-27-14	297.18	JOD 210.40	Contractor Acquired Property	FQ000904-2	Amman, Jordan	Yes	Furniture	003
Desk 140 cm+Pedestal 2 Drawers	ESCB198	Las Mobilis	106354	FQ000904-2-ESCB198	USA10551-01	01-20-14	01-27-14	297.18	JOD 210.40	Contractor Acquired Property	FQ000904-2	Amman, Jordan	Yes	Furniture	003
Front Panel L 140 cm	ESCB199	Las Mobilis	106292	FQ000904-2-ESCB199	USA10551-01	01-20-14	01-27-14	84.75	JOD 60.00	Contractor Acquired Property	FQ000904-2	Amman, Jordan	Yes	Furniture	003
High Back Chair/Mish	ESCB200	Euro Space	GS2110	FQ000904-2-ESCB200	USA10551-01	01-20-14	01-27-14	318.15	JOD 225.25	Contractor Acquired Property	FQ000904-2	Amman, Jordan	Yes	Furniture	003
High Back Chair/Mish	ESCB201	Euro Space	GS2110	FQ000904-2-ESCB201	USA10551-01	01-20-14	01-27-14	318.15	JOD 225.25	Contractor Acquired Property	FQ000904-2	Amman, Jordan	Yes	Furniture	003
Monitor	ESCB202	HP	W2371d	6CM33300X0	USA10551-01	9/2/2014	10/2/2014	165.25	JOD 117.00	Contractor Acquired Property	16060	Amman, Jordan	Yes	Electronics	006
Monitor	ESCB203	HP	W2371d	6CM33300WZ	USA10551-01	9/2/2014	10/2/2014	165.25	JOD 117.00	Contractor Acquired Property	16060	Amman, Jordan	Yes	Electronics	005
Digital Recorder	ESCB204	Sony	ICD-PX333	1306235	USA10551-01	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	USA10551-01	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	USA10551-01	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	USA10551-01	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	USA10551-01	04-24-14	04-28-14	96.05	JOD 68.00	Contractor Acquired Property	167	Amman, Jordan	Yes	Electronics	MEMR
Desk 140 cm+Pedestal 2 Drawers	ESCB209	Las Mobilis	106354	FQ001007-2ESCB209	USA10551-01	11/3/2014	03-18-2014	297.18	JOD 210.40	Contractor Acquired Property	FQ001007-2	Amman, Jordan	Yes	Furniture	10
Desk 140 cm+Pedestal 2 Drawers	ESCB210	Las Mobilis	106354	FQ001007-2ESCB210	USA10551-01	11/3/2014	03-18-2014	297.18	JOD 210.40	Contractor Acquired Property	FQ001007-2	Amman, Jordan	Yes	Furniture	10

High Back Chair/ Black Vinyl	ESCB211	Euro Space	MS2910 F	FQ001007- 2ESCB211	USA10551- 01	11/3/2014	03-18- 2014	336.86	JOD 238.50	Contractor Acquired Property	FQ001007-2	Amman, Jordan	Yes	Furniture	10
High Back Chair/ Black Vinyl	ESCB212	Euro Space	MS2910 F	FQ001007- 2ESCB212	USA10551- 01	11/3/2014	03-18- 2014	336.86	JOD 238.50	Contractor Acquired Property	FQ001007-2	Amman, Jordan	Yes	Furniture	10
Shredder	ESCB213	Fellowes	79CI	131217AC0 012864	USA10551- 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	CND8FDZ3 FG	USA10551- 01	05/04/14	05/07/14	387.01	JOD 274.00	Contractor Acquired Property	17706	Amman, Jordan	Yes	Electronics	MEMR
Water purifier	ESCB215	Bio Family	Unknown	PEJO04C0 E21432B00 17	USA10551- 01	04-28-14	04/05/14	158.19	JOD 112.00	Contractor Acquired Property	3358	Amman, Jordan	Yes	Office Equipment	MEMR
Coffe Maker	ESCB216	AEG	CM2052	3800139	USA10551- 01	04-30-14	5/4/2014	101.06	JOD 71.55	Contractor Acquired Property	80112240	Amman, Jordan	Yes	Office Equipment	MEMR
Laptop HP with Software-Faraj Abu Nofal	ESCB217	HP	ProBook 650	CNU410DC VR	USA10551- 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	TRF4080P 1H	USA10551- 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	3CM3520B 43	USA10551- 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+Pedes tal 3 Drawers	ESCB220	NA	NA	NA	USA10551- 01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	MEMR
Desk 140 cm+ Lateral Extension+Pedes tal 3 Drawers	ESCB221	NA	NA	NA	USA10551- 01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	MEMR
Desk 140 cm+ Lateral Extension+Pedes tal 3 Drawers	ESCB222	NA	NA	NA	USA10551- 01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	MEMR
Desk 140 cm+ Lateral Extension	ESCB223	NA	NA	NA	USA10551- 01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	MEMR
Desk 140 cm+ Lateral Extension	ESCB224	NA	NA	NA	USA10551- 01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	MEMR
Desk 140 cm	ESCB225	NA	NA	NA	USA10551- 01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	MEMR
Round Table	ESCB226	NA	NA	NA	USA10551- 01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	MEMR
Employee Chair	ESCB227	NA	NA	NA	USA10551- 01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	MEMR
Employee Chair	ESCB228	NA	NA	NA			05-18-14	0.00	JOD	Government	NA	Amman,	Yes	Furniture	MEMR

					USA10551-01				-	Furnished Property		Jordan			
Employee Chair	ESCB229	NA	NA	NA	USA10551-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	MEMR
Employee Chair	ESCB230	NA	NA	NA	USA10551-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	MEMR
Employee Chair	ESCB231	NA	NA	NA	USA10551-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	MEMR
Employee Chair	ESCB232	NA	NA	NA	USA10551-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	MEMR
Employee Chair	ESCB233	NA	NA	NA	USA10551-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	MEMR
Employee Chair	ESCB234	NA	NA	NA	USA10551-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	MEMR
Guest Chair	ESCB235	NA	NA	NA	USA10551-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	MEMR
Guest Chair	ESCB236	NA	NA	NA	USA10551-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	MEMR
Guest Chair	ESCB237	NA	NA	NA	USA10551-01		05-18-14	0.00	JOD -	Government Furnished Property	NA	Amman, Jordan	Yes	Furniture	MEMR
Air Conditioner	ESCB238	Gree	GM12CP	4847530023100	USA10551-01	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	USA10551-01	08-17-14	08-20-14	216.10	JOD 153.00	Contractor Acquired Property	69197	Amman, Jordan	Yes	Electronics	MEMR
Fan	ESCB240	KDK	C3TRK	306	USA10551-01	08-17-14	08-24-14	112.63	JOD 79.74	Contractor Acquired Property	80127851	Amman, Jordan	Yes	Electronics	10
High Back Chair/ Mesh	ESCB241	Euro Space	GS2110	FQ001288-2-ESCB241	USA10551-01	10/19/14	10/20/14	298.59	JOD 212.00	Contractor Acquired Property	FQ001288-2	Amman, Jordan	Yes	Furniture	MEMR
High Back Chair/ Mesh	ESCB242	Euro Space	GS2110	FQ001288-2-ESCB242	USA10551-01	10/19/14	10/20/14	298.59	JOD 212.00	Contractor Acquired Property	FQ001288-2	Amman, Jordan	Yes	Furniture	MEMR
High Back Chair/ Mesh	ESCB243	Euro Space	GS2110	FQ001288-2-ESCB243	USA10551-01	10/19/14	10/20/14	298.59	JOD 212.00	Contractor Acquired Property	FQ001288-2	Amman, Jordan	Yes	Furniture	MEMR
Laptop Dell Latitude with Software- Ghassan Naji	ESCB244	Dell	E5440	9B4KM12	USA10551-01	11-27-14	1/12/2014	1723.16	JOD 1,220.00	Contractor Acquired Property	20775	Amman, Jordan	Yes	Electronics	002
Vehicle	ESCB245	Chrysler	Jeep Cherokee/Grand Limited	1J8GN58K39W515290	USA10551-01	07/21/14	07/21/14	31073.45	JOD 22,000.00	Government Furnished Property	NA	Amman, Jordan	Yes	Automotive	NA
Server	ESCB246	HP	ML 350	USE925NA		07/21/14	07/21/14	4294.00	JOD	Government	NA	Amman,	Yes	Electronics	012

			G6	C7	USA10551-01				3,040.15	Furnished Property		Jordan			
UPS	ESCB247	Tripp.Lite	SUINT 2000 XL	AGPS5760	USA10551-01	07/21/14	07/21/14	1654.00	JOD 1,171.03	Government Furnished Property	NA	Amman, Jordan	Yes	Electronics	012

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