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**Professional Services Agreement**

Task Order No. 5

In accordance with the terms and conditions of the Agreement (Contract No. 2011-579) between the City of Leesburg (Client) and Telvent USA, LLC (Contractor), this Task Order authorizes delivery of the Services and Deliverables described and in accordance with the terms, schedule, and start/end date(s) specified below.

1. Scope of Work: See attached scope, "Smartgrid Integration Framework Installation and Configuration."
2. Contract Type (FFP or T&M): Fixed Price
3. Total Task Order Value: \$64,000.00 to be paid in accordance with the following milestone payment schedule.

<b>Milestone</b>	<b>Task(s)</b>	<b>Cost</b>
1	1, 2, 3	\$35,400.00
2	4, 5	\$28,600.00
	<b>Total</b>	<b>\$64,000.00</b>

4. Delivery Schedule or Start/End Date(s) for Each Deliverable: See attached Scope.
5. Special Considerations: None.
6. Client Project Manager:  
Client Contract Administrator:  
Contractor Project Manager:  
Contractor Contract Administrator: Heather Hansen

ACCEPTED AND AGREED:

City of Leesburg  
(Client)

Telvent USA, LLC  
(Contractor)

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Attested by: \_\_\_\_\_

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**Exhibit A**

**See attached Scope of Work.**

**Scope of Work**

**Smart Grid Integration Framework  
Installation and Configuration**

Prepared for:

City of Leesburg

Proposal Date: 10/17/2013

Make the most of your energy



Telvent USA, LLC (Telvent) is a Schneider Electric company formed under the laws of the State of Delaware. Telvent USA, LLC (Telvent) works collaboratively with Schneider Electric in bringing powerful new opportunities for our customers.

The Telvent Utilities Group business unit and its affiliates ("Schneider Electric Utilities Group") maintains its headquarters at 4701 Royal Vista Circle; Fort Collins, CO 80524 with significant presence in Houston, TX, Athens, GA, Philadelphia, PA, and Vancouver, WA.

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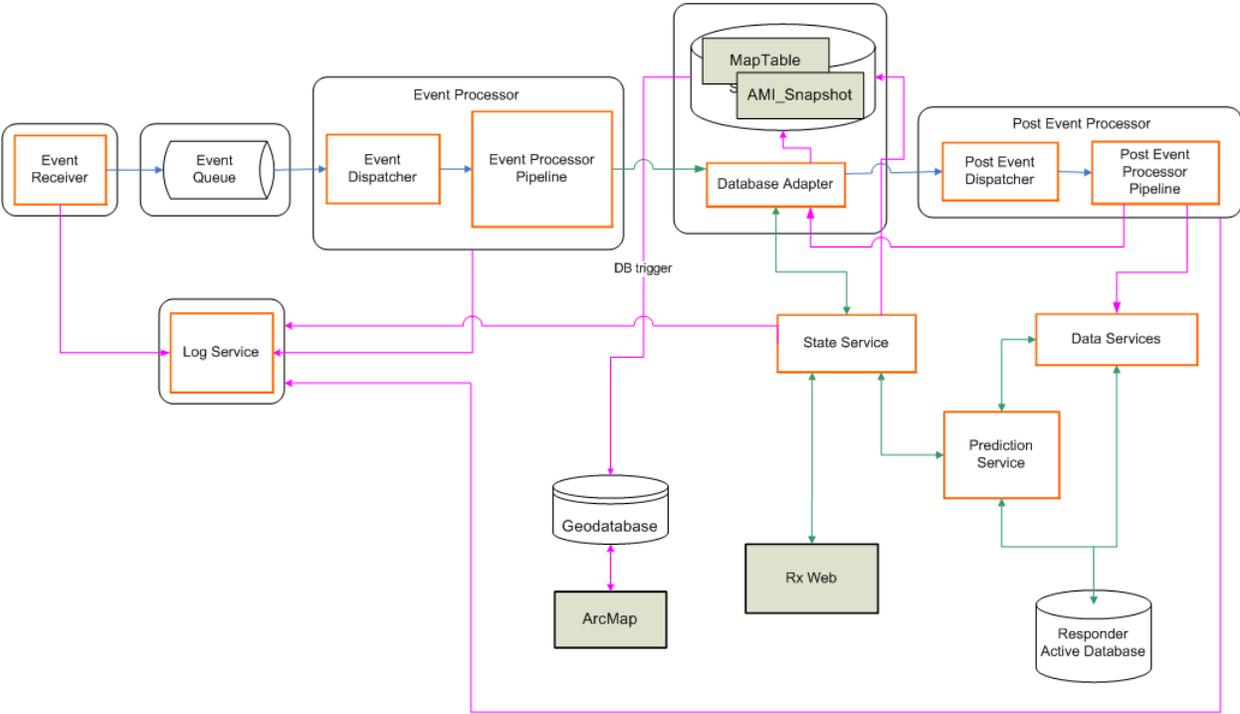
**5 REMOTE SUPPORT ..... 4**

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## Introduction

Telvent USA, LLC (Telvent) is a Schneider Electric company formed under the laws of the State of Delaware. The Utilities Group business unit of Telvent and its affiliates ("Schneider Electric", "Schneider Electric Utilities Group") is pleased to provide this proposal to assist City of Leesburg (City) with an implementation of the Smart Grid Integration Framework to support integration between Responder OMS and the City GE AMI.

The Smart Grid Integration Framework (SGIF) integrates with AMI in order to allow Responder to process meter events. AMI receives messages from the meters, then passes the messages to the SGIF using a CIM-based interface. The SGIF uses services, web services and pipeline rules to filter and process messages. The SGIF diagram below shows the framework and how it interacts with Responder.



City has also asked that Schneider Electric provide support to City while it creates a new environment to support high-Availability/Disaster Recovery.

## Assumptions

- Schneider Electric will perform implementation and configuration services only. No customizations of the Schneider Electric solution will be created by Schneider Electric.
- Schneider Electric has not included any time within this scope of work to assist City in troubleshooting any code outside the Smart Grid Integration Framework or changing any of the core functionality within the Smart Grid Integration Framework.

- The functionality of certain aspects of the Responder implementation described in this document is determined, and can be affected by configurable properties of the application. It is therefore assumed that the Responder configuration in place at the City will not change during the development and implementation of this interface.
- The AMI integration will be implemented first in a test environment at City and tested against a test AMI configuration before any changes are made to the production Responder System. It will not be implemented in production until tested and accepted in the test environment.
- It is required that the service point feature class be migrated from SDE Geometry to SQL Geometry. This will break any existing spatial or version aware views associated with this feature class including the one for the current CIS/Responder integration. Schneider Electric will recreate these views after the feature class geometry migration is completed. It is assumed that Schneider Electric will be allowed to make this change to the service point feature class. Schneider Electric will not be liable for any other broken integration points or related issues not previously informed of and mitigated.
- Prior to Schneider Electric's work on the City's database servers and application virtual machines, the City will create backups of all data and VM's to restore from in the event it is needed.
- GE can generate messages from Silver Spring's application which will work with Schneider Electric's Smart Operations Solution's AMI integration web service as described out of the box. Schneider Electric will perform implementation and configuration services only. No customizations of the Schneider Electric solution will be created by Schneider Electric.
- Responder is working correctly at the City with a working CIS integration which is generating correct and accurate customer data in Responder with correct meter numbers for customer records.
- The Customer data exported to Responder on a regular interval contains NO duplicate meter values. Each RX\_Customer table record must have a unique value for the Meter attribute.
- Schneider Electric has not included any time within this scope of work to support GE in its effort to generate messages from the Silver Spring application. Should Leesburg request that Schneider Electric provide assistance a change order would be required.

## **1 Project Initiation**

Schneider Electric will host a one (1)-hour WebEx-based Project Initiation meeting. The participants for the meeting will consist of a team of projects leaders from Schneider Electric and City. Schneider Electric will present the project plan to review the tasks, responsibilities, and dependencies and provide a presentation covering the methodology to be used for the project. The team will review the goals and methodology for the project. The team will then cover the administrative framework for managing the project. Schneider Electric will establish communication protocols, business processes, and change control processes.

**Schneider Electric Deliverable(s):**

- Hosted WebEx-based Project Initiation meeting

**City Responsibilities:**

- Provide appropriate representation at the Project Kick-Off Meeting

## 2 Provide Support for Establishment of Test and HA/DR Responder Environments

Schneider Electric will prepare for and travel to City to modify and install copies of the Responder Configuration files to support their installation and operation within the established Test and HA/DR environment at City.

**Schneider Electric Utilities Group Deliverables:**

- Modification of Responder Configuration files for Test and HA/DR environments

**City Responsibilities:**

- Provide access to the City Test and HA/DR environments to perform installation of modified configuration files

## 3 Installation and Configuration in the City Test Environment

Schneider Electric will prepare for and travel to City to install Smart Grid Integration Framework in the City Test environment. This installation and configuration will include:

- installation of the Smart Grid Integration Framework web services,
- creation of AMI tables in the Responder database,
- document all spatial and version aware views of the Service Point Feature Class within the geodatabase,
- modification of feature classes in the geodatabase,
- creation of views in the Responder Database,
- re-create all spatial and version aware views within the geodatabase that were affected by the change in geometry data type,
- and the configuration of the integration and Responder as noted in the previously provided specification document.

Schneider Electric will test the implementation in the City test environment by submitting calls to the web service and verifying their receipt by the web service.

**Schneider Electric Utilities Group Deliverables:**

- Installation and configuration of Smart Grid Integration Framework in the City Test environment
- Verification that the web services are operating as designed and configured

**City Responsibilities:**

- Provide access to the City Test environment to perform installation and configuration activities

**Task Assumptions:**

- Schneider Electric has not included any time within this scope of work to support the GE in its effort to generate messages from the Silver Spring application. Should Leesburg request that Schneider Electric provide assistance a change order would be required.

## 4 Installation and Configuration in the City Production Environment

Following receipt by Schneider Electric of confirmation from City/GE that the GE side of the integration is working in the Test environment, Schneider Electric will return to City to install and configure the AMI Integration Framework in the City production environment. The installation and configuration will follow the same steps and procedures as those completed in the Test Environment above. Those steps are as follows:

- installation of the Smart Grid Integration Framework web services,
- creation of AMI tables in the Responder database,
- document all spatial and version aware views of the Service Point Feature Class within the geodatabase,
- modification of feature classes in the geodatabase,
- creation of views in the Responder Database,
- re-create all spatial and version aware views within the geodatabase that were affected by the change in geometry data type,
- Configuration of the integration and Responder as noted in the provided specification document.

Following the installation and verification that the web services are receiving the correct information this task will be considered complete.

### **Schneider Electric Utilities Group Deliverables:**

- Installation and configuration of Smart Grid Integration Framework in the City Production environment
- Verification that the web services are operating as designed and configured

### **City Responsibilities:**

- Provide access to the City Production environment to perform installation and configuration activities
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## 5 Remote Support

Immediately following the completion of Task 4, Schneider Electric will provide up to 40 hours of remote support to City over a 30 calendar day period. This support will provide City with direct access to a technical resource to answer questions and help resolve issues related to the implementation of the AMI Integration.

### **Schneider Electric Utilities Group Deliverables:**

- Provide up to 40 hours of remote support over a period of 30 calendar days

### **City Responsibilities:**

- Provide access for the onsite technical resource to enable quick troubleshooting of any issues identified during this time.
- Provide facility access so the Schneider Electric technical resource can work with City staff directly.

## Services Quote

Date:	17-Oct-13	
Quote Number:	2013-2135	
To:	City of Leesburg	
<b>Receiving Party:</b>	City of Leesburg	
We are pleased to submit the following Fixed Price Quote for:		
<b>Smartgrid Integration Framework Installation and Configuration</b>		
<b>PROPOSED SERVICES</b>		
TASK ID	TASK DESCRIPTION	COST
1	Smartgrid Integration Framework Installation and Configuration	\$64,000.00
<b>TOTAL SERVICES COSTS:</b>		<b>\$64,000.00</b>
<b>OPTIONAL TASKS</b>		
		COST
<b>TOTAL OPTIONAL COSTS:</b>		
<b>Quote is valid for:</b>		<b>60 days</b>
<p>All rates and costs are quoted in US Dollars and will be billed in US Dollars.          Quote is inclusive of all travel and living expenses for on-site work.          All prices are based on Telvent USA LLC's standards for services, and do not include taxes, duties, levies or fees.          This quotation is made in confidence for your review. It may not be disclosed to third parties, except as required by law.          This offer is limited to the terms and conditions of Telvent USA LLC's Standard Services Agreement.          Estimate does not include the cost of any third party software required to perform the services.  <b>THE PRICING CONTAINED IN THIS QUOTATION IS BASED UPON TUG'S STANDARD TERMS AND CONDITIONS AND TUG'S EXPERIENCE WITH SIMILAR PROJECTS. THE SCHEDULE AND PRICE ARE SUBJECT TO CHANGE BASED UPON THE TERMS AND CONDITIONS IN THE FINAL AGREEMENT.</b></p>		
Quote Provided by:		Larry Frank