City of Fort Lauderdale QAlert Integration Change Order 01, Work Order 14-343, 14-344

Title

Additional Scope to Develop QAlert Interface for Service Order Integration

Overview

This Change Order is made a part of the Scope Statement (Scope) Titled:"City of Fort Lauderdale Scope for WO 14-109 and 14-110 QAlert Interface.docx" dated 15 April, 2014 between Cayenta Canada Corp. ("Cayenta") and City of Fort Lauderdale ("Client").

This change order covers costs required for a project extension due to changes in originally defined scope of work, and determination of methods for integration with the vendor QAlert and the Citizen Management system and integration to Cayenta Utilities CIS solution. As the discovery was driven by Cayenta, extra effort and discovery was required to gather information from QAlert and test with the City of Fort Lauderdale team.

During the extension Cayenta will provide an additional 100 hours of development effort to complete and deliver the integration to QAlert for Cayenta Service Orders. A detailed description of the additional effort is described below. This will be combined with the already approved 20 hours of Consulting assistance effort (noted below as part of "Testing at FTL"):

TASK	RESOURCE	HRS	NOTES
Update Functional Requirements Document	R&D	20	Update FRD based on the tests performed with Danny Delgado (FTL) (generic S/O, Meter Set, Pull, Replace) for service order with single meters, and for meters with up to two registers. Everything else is outside the scope of this interface.
Build Interface Driver, Application Programming Interface	R&D	40	1. Build internal APIs to communicate with Generic Portal 2. Based on internal API, assemble data and external API message to QAlert 3. Based on response from QAlert, assemble data, and update S/Os in CU (if necessary), process logs, audit tables, and transmission tables 4. Normally we implement modifications on our latest version but in this case we need to release the solution in 753, 770, and 780 which adds to development time.
Complete QAlert Portal	Business Intelligence	40	1. Build QAlert Portal 1. Build QAlert Portal documentation
Testing at FTL	Client Services	Time and Materials	Reviewing and testing the interface at FTL (e.g. if the interface doesn't work, research why? Is it QAlert, the webservice, the network, CU Configuration, or bug? This will use the already signed Work Order for Consulting Assistance 14-110, approved at 20 hours currently.

Contact & General Information

	City of Fort Lauderdale	**Cayenta**
Contact	Linda Gee	Jeremy Schultz
Email	lgee@fortlauderdale.gov	jschultz@cayenta.com
Date	15 December, 2014	
Product	Cayenta Utilities	

Description of Change Request

Ref	Description	Hours
1	Update of Functional Requirements Document	20
2	Build Interface Driver, Application Programming Interface	40
3	Complete QAlert Portal	40
Total Hours		**100**

Project Impact

Budget	$9,250.00* 50% of actual cost (actual cost $18,500.00)
Resources	Cayenta Developmenter, Cayenta Business Intelligence Developer, Account Management, City of Fort Lauderdale staff in support of testing/deployment
Payment Milestones	New Work Order created – 14-343 for Development work, 14-344 for BI Work. Delivery of QAlert Modification, $9,250.00
Schedule	Schedule for delivery of development and portal TBD.
Risk	This is an extension and increase of the original scope of the project, originally quoted at 110 hours. This change indicates an effective doubling of the effort required. Risk introduced to this project has been chiefly related to the lack of participation of the QAlert vendor, requiring additional and unforeseeable effort in discovery and documentation. Cayenta is confident at this point however that all project scope is accounted for, and does not foresee any further requirements to change in scope or budget.

Attachments:

Approval		
50	$185	$9,250.00
Chargeable Hours	**Rate**	**Amount**
50	100	
Non-Chargeable Hours	**Total Hours**	

_____   _____

Client Signature   **Date**

_____

Client Name

_____   _____

Cayenta Signature   **Date**

_____

Cayenta Name

This change order will be executed with the return of signed change order. The remaining fees shall be invoiced after delivery of services and due thirty (30) days from the date of invoice.

Any applicable travel and lodging expenses, shall be billed monthly as the work is performed and due thirty (30) days from the date of invoice.

Your signature serves as an acceptance of the "Amount" listed above as it relates to the description of work contained in this Change Order. Your signature also indicates you have reviewed and agree to the scope of work as detailed in any accompanying enclosures or attachments. This signed document indicates that you have provided all of the accurate information necessary to produce the work as stated in the above Change Order.

Internal Use Only

Customer # _____ Application # _____ Originated by # _____ PO# ___0000000___