ODMS Project Update

CITY OF RIVERSIDE
Arts & Innovation

Riverside Board of Public Utilities

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RiversidePublicUtilities.com

Presentation Overview

1. Background
2. Project Overview
3. Accomplishments
4. Recommendation
   a) Receive and file the Operational Data Management System Project update and presentation
   b) Approve the Second Amendment to the Professional Services Vendor Agreement with Open Systems International, Inc. in the amount of $61,750.

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BACKGROUND

Background

- On May 19, 2016, the Board approved the Operational Data Management System (ODMS) project
  - Board approved $3,557,000 for Phase I of the project
  - Phase I is scheduled for 12 months
- On August 31, 2016, the ODMS project team held the kick-off meeting, which signified the official start of the project.

PROJECT OVERVIEW

Phase I Project Scope

- Procure hardware and software to support the PI system
- Deploy the PI system
- Integrate 10 data sets/systems
- Develop dashboards
- Provide training

Key Project Objectives

Centralize data and information

Enhance operational efficiencies

Expand reporting capabilities

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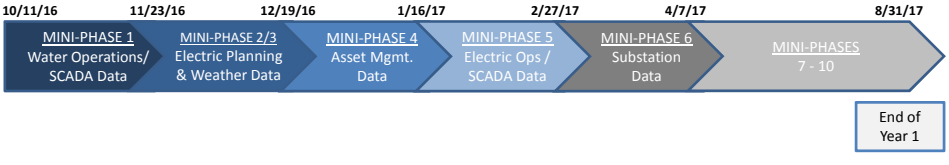
Project Approach

- RPU is utilizing an agile project management approach to deploy the PI system
- This approach calls for multiple “mini” phases within the 12-month project schedule
- Each mini-phase is scheduled for approximately 3 to 6 weeks
- This approach allows RPU to deliver dashboards, reports and tools for analytics to staff every 6 weeks



Project Approach

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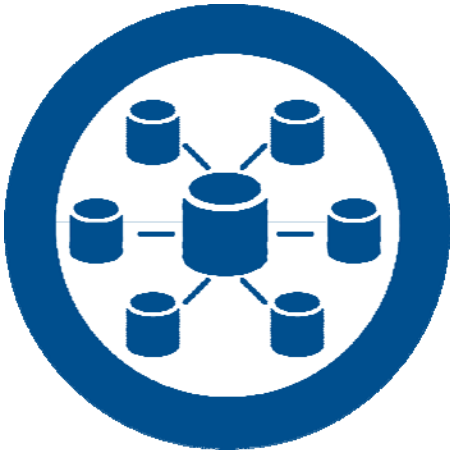
ACCOMPLISHMENTS

First 6 Week Mini Phase

- The first mini-phase began on October 11th and focused on Water Operations data
  - Integrated data from 5 disparate sources
    - Water SCADA, Oracle UWAM, Weather and two spreadsheets
  - 3 cumbersome manual processes were automated
  - 3 dashboards were developed
  - PI was installed on all RPU computers

Dashboard Demo's

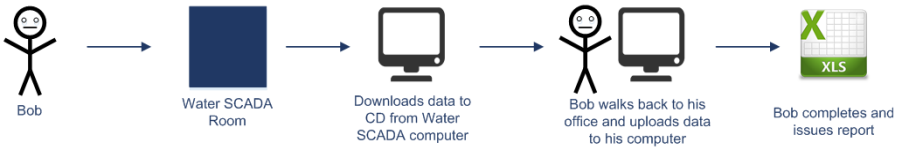
- Water Operations Dashboard
  (link to live demo)
- Water Blend Dashboard
  (link to live demo)



Return on Investment

Prior to implementing PI, these types of reports were cumbersome and required significant staff time and efforts to complete.

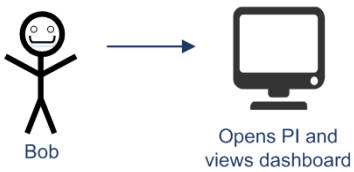
Example: The Water Operations Dashboard was prepared manually and required approximately 10 hours of staff time per week to produce.



Estimated staff time: 2 hours per day = 10 hours per week = 520 hours per year = 2,600 hours in 5 years

Return on Investment

With PI, the data is now automatically populated and displays in real-time (every two minutes).



Estimated staff time: 15 seconds
Estimated savings: $52,000 per year = $260,000 in 5 years

RECOMMENDATION

Board Recommendation

That the Board of Public Utilities:

1. Receive an update on the Operational Data Management System Project; and

2. Approve the Second Amendment to the Professional Services Vendor Agreement with Open Systems International, Inc. in the amount of $61,750.

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QUESTIONS