



Service and Product Provider Partner

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Customer

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Project Scope (3-5 sentences)

What was the time frame for the project? How many buildings, or square feet, were involved? What did the project accomplish?

The City of Boston has approximately 5,000 utility accounts for assets ranging from streetlight control boxes to City Hall. Managing energy cost and consumption data and processing utility bills for these assets is a major challenge because utility vendors use inconsistent billing periods, metering technologies, and billing platforms.

In June 2016, Boston selected SourceOne to implement its web-based energy data management software, **EMSys**, to increase visibility into assets' energy performance, streamline utility bill processing, and help identify energy hogs to prioritize efficiency measures. Because of Boston's desire to "lead by example" by reporting to ENERGY STAR® through the City's Building Energy Reporting and Disclosure Ordinance (BERDO), the City chose to work with a trusted ENERGY STAR SPP Partner. The company's SPP partnership was a critical factor in the City's decision to work with SourceOne.

Project Summary (4-8 sentences)

How was the project performed?

Over the course of 4 months, SourceOne worked interactively with the City to define its utility data management requirements and setup **EMSys** accordingly. SourceOne managed a complete overhaul of Boston's ENERGY STAR Portfolio Manager® account for +300 buildings, helping the city comply with BERDO, the U.S. Department of Energy (DOE) Better Buildings Challenge, and other public data needs. The City recently renewed SourceOne's contract for a second year.

Energy Savings (1 sentence)

How much energy was saved?

EMSys is a tool in the City's ongoing efforts to increase energy efficiency. By implementing **EMSys** the City consolidates energy data into one convenient portal, facilitating energy data collection and making it easier to identify targeted energy conservation measures.

Investment (1 sentence)

How much money was invested?

The contract value for the first year was \$147,600 including system implementation and on-going support.

Financial Return (1 sentence)

What is the return on investment?

By using **EMSys**, Boston has increased staff efficiency and corrected billing errors. In FY17, with SourceOne's help, the City recovered over \$900,000 in utility refunds from its electric distribution company and electric supplier. For example:

The City recently used EMSys to help correct a large billing error. During renovations at the City's iconic Copley Library, the local electric utility installed a temporary electric utility meter. Shortly after construction, City staff identified a potential billing error while reviewing utility invoices associated



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with the Library. Leveraging EMSys's capabilities, City personnel, supported by SourceOne analysts, confirmed that the Library's electric account was being double-billed.

By reviewing the historical data stored in EMSys, the City and the SourceOne team were able to identify exactly when the duplicate charges began and the amount of the overcharge. By providing EMSys documentation of the billing issue, SourceOne helped the City reach a resolution with the utility and secure a true-up payment to the tune of hundreds of thousands of dollars.

Monitoring & Verifying Energy Savings (1 sentence)

How are energy savings tracked?

As the City implements energy conservation measures, energy savings can be monitored and verified in EMSys.

Distinguishing Value (1-2 sentences)

What is unique about this project? Why is it valuable?

SourceOne has setup highly customized modules for Boston. For example, the City uses EMSys to generate interdepartmental budgetary reports which facilitate financial planning and utility expense tracking at the departmental level.

SourceOne is also piloting a test-implementation of Tableau dashboards for credential-less (no login required) view-only access of energy data for each city department.

Image and Caption (Optional)

EMSYS
Energy Management System

