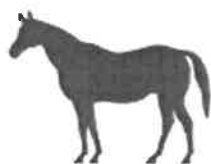Proposal to
Lexington-Fayette Urban County Government
Department of Planning Preservation and Development

LEXINGTON

Mapping of Building and Planning Data

Submission by

buildingeye

Date: August 8th 2016

buildingeye

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Firm's Qualifications & Experience

Qualification:

buildingeye works with Government Agencies providing solutions which include modules for planning, building and permitting functions along with other specialist modules for business licenses, engineering and capital projects.

buildingeye offers enterprise and public geospatial products designed exclusively for government agencies, based on the electronic records held in any back office system, including xls/csv formatted files.

buildingeye solutions bring life to the information held in public records, presenting it in an easy to use format available on any device, every day.

buildingeye is proven, trusted and promoted by many local government agencies, building, planning and enforcement professionals and industry associations.

Processing millions of records, buildingeye is working with agencies large and small who have transformed their internal practices and generated efficiencies.

Agencies can now provide a courtesy alerting system to citizens who have an interest in a particular area through the buildingeye solution.

Implementing buildingeye ensures City resources are better engaged. Dealing with repetitive enquiries by phone and at the public counter will be a thing of the past as officials and citizens easily access the information in just 2 clicks, anytime, anywhere, saving the City time and money.

During 2015, buildingeye was acknowledged by its peers for instigating the development of the BLDS standard to address the interoperability of common data systems within Government. The company as a provider of services to government is ranked in the US GovTech 100 for 2016.

The core team allocated to this proposal is responsible for the successful deployments of buildingeye in the following cities who use Accela and other back office systems:

- City & County of San Francisco, CA
- City of Palo Alto, CA
- City of Corvallis, MT
- City of Alameda, CA
- City of Missoula, MT
- Redwood City, CA
- Adams County, CO

All these agencies have contracted with buildingeye on rolling annual/multi-year contract basis.

Experience

The company and team has extensive experience in handling data from multiple sources including Accela, other back office systems and csv format files, we extract on a daily basis processing millions of records each month across multiple municipalities and agencies.

buildingeye's first implementation was integrated into the Accela platform over two years ago and since then we have had a very successful working relationship to implement our solution in other cities through the Accela Construct API.

Working with Accela, we have transformed cities such as San Francisco, Palo Alto, Alameda, among others providing 2-Click interfaces to records held in their back office system and have proven effectiveness and efficiencies for the benefit of City Officials and the Communities they serve.

All work is completed in house by permanent staff, we do not use subcontractors in the provision of buildingeye solutions.

- buildingeye is an Accela Partner and has worked with Accela since 2013

- buildingeye has implemented the successful release of similar solutions as the one proposed for the following cities which are also on the Accela platform

    - City & County of San Francisco
    - City of Palo Alto
    - City of Corvallis
    - City of Alameda
    - City of Missoula
    - Adams County

- buildingeye has internal knowledge of all aspects of the building and planning visualization functionality that the City is looking to have implemented.

References

References from clients are available on request.

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Product / Project Scope

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Scope of Services

Overview
A buildingeye Module will be provided using the buildingeye Interface for the

- Building Department
- Planning Department

This proposal provides for historical data for 5 years and integration thereof.

Project Timeline
buildingeye will implement the visualization of the City's Data within a timeframe of 8 weeks after the contract is awarded.

General Requirements

Current Software
buildingeye is independent and works with all major back office software system providers, these include Accela, SunGard (CRW), Computronix, Harris, Infor, GovSense, Socrata and Junar to name a few. We extract data from many sources and systems including csv/xls formatted files.

Web Service Compatibility
The buildingeye application is compatible across all standard based web browsers on Desktop, Tablet and Mobile devices.

Visual Functions
buildingeye is a simple, easy to understand user interface that functions in a logical workflow and visualization for the general public, agency staff and officials.
Each marker on buildingeye is interactive, when clicked an Information panel appears with details and links to back office record details. The interface is pre-populated with markers for the relevant module, noting where records exist.
The City's logo or brand will be included consistently throughout buildingeye located on the top bar.

Search Functions
All information can be searched / filtered as per the list presented on the basis of the information being provided to buildingeye by the City.
All search, retrieve and presentation of records is freely available to Users.

Email Alerts

Users can create an account using an email address and select their preference for an alert for a selected geographic location. A User can amend preferences, unsubscribe and/or delete their account without restrictions.

Hosting and Technical Assistance

buildingeye provides an always on service; support and escalation procedures are provided when contracted.

Data Storage and Ownership

Data Storage

Databases are replicated and are backed up daily outside peak times of demand. All data is held at AWS datacenters in the US secured, maintained and managed using industry standard best practices.

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Project Approach

buildingeye

buildingeye Approach

buildingeye works with the City on an agreed schedule of works to include but not limited to the setup of communications between the project liaisons, prerequisite requirements, provision of access to the Accela system via API, engagement on technical, product delivery and other matters as they arise. The steps are as follows:

Step 1: buildingeye is granted access to the Accela back office systems via the Accela Construct API v3 or later.

Step 2: buildingeye presents a questionnaire (on the basis of test data extraction) to gather detailed information based on fields in the Accela back office systems - this is circulated with the City Project Team for comment/direction.

Step 3: buildingeye prepares a fully functioning Module following the integration and testing of the data extracted from the Accela system for the City Project Team to review.

Step 4: The Module is continually monitored by the buildingeye Project team and is further updated based on feedback from the City Project Team - this is an iterative process and set out in the project schedule.

Step 5: The buildingeye Module undergoes testing, goes Live and is deemed delivered in Private Release form. Each module is delivered once complete. The proposed project schedule when agreed between buildingeye and the City is completed accordingly.

Meetings are scheduled for a one-hour time period with the project coordinator on a weekly basis. This ensures continuity of communication and visibility of buildingeye progress to the City.

buildingeye Deliverables

The set of buildingeye deliverables are:

Mapping Interface

Visualize data from the City of Kentucky Accela back office system onto the buildingeye application with the ability to filter applications by keyword, application type, timeframe and status.

The map icons are dynamically available and produce an information window with metadata on the application/project and a link to further information to the Agency's Accela Citizen Access page. The workflow should be clear for users to understand where in the process the application is.

buildingeye proposes a mapping interface which allows users to tabulate between multiple modules.

For illustration, buildingeye presents Grand Rapids, Michigan (a buildingeye customer) to demonstrate how a typical buildingeye product works with data extracted from an Accela system. It is available on line here at http://grandrapids.buildingeye.com/building

The screen shot below represents how buildingeye personalizes the product for a City, the Grand Rapids logo would be replaced with the logo for the City of Kentucky.
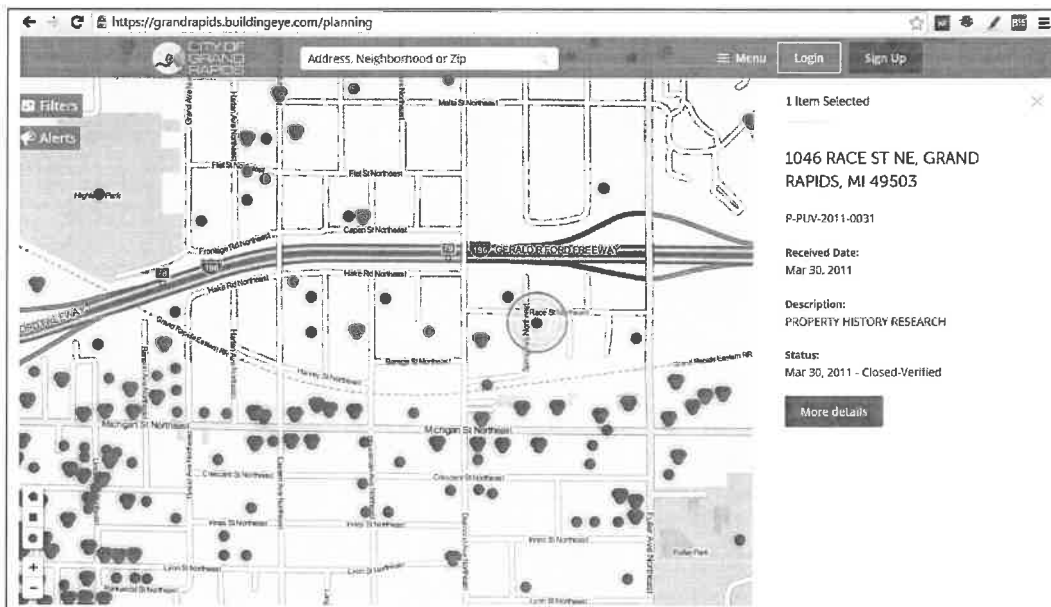

Image 1: buildingeye mockup of web interface when icon clicked

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Key Features

- The data is visible on the map and color coded in accordance with the agreed status
- Icons are clickable and produce an information window to the right hand side representing the key metadata about the record
- A link for further information is available which directs the user to the specific page in the Accela Citizen Access portal for that specific record
- Users can search by address, zip code and neighborhood
- Filter functionality is provided to allow users to filter by keyword, reference number, date range and application type

Filter Tools

Users can filter their search by the following:

- Address
- Area: Zip code, Neighborhood, Custom (GIS layers for specific areas to be provided by the City of Kentucky)
- Status (Open; Process Complete) as reflected in Accela back office system
- Keyword
- Date range
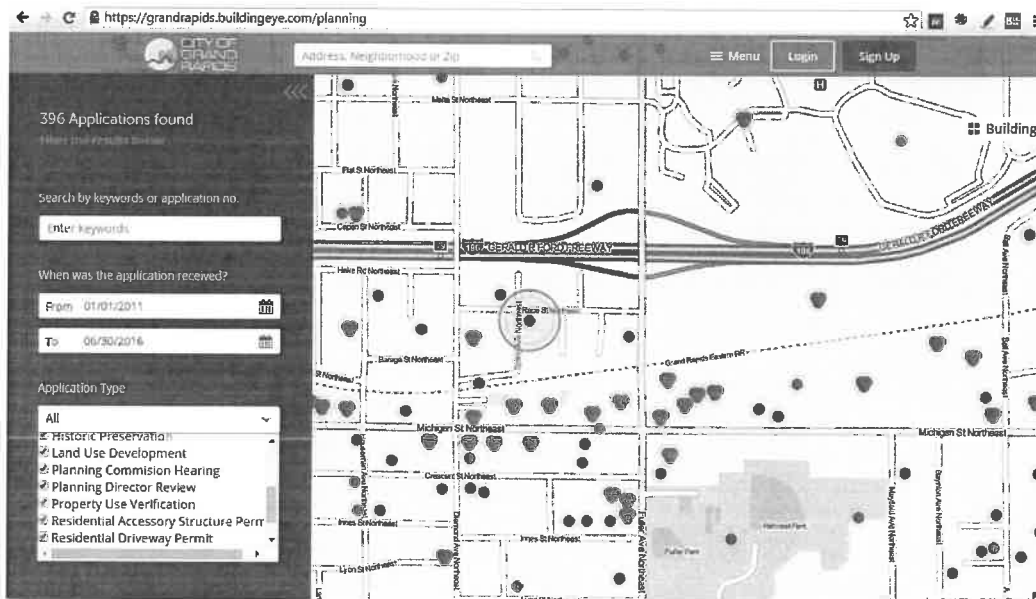- Application/Permit/Record type (dropdown of different types)

Image 2: Mockup of filter functionality to the left hand side

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User Accounts

Users can create and receive e-mail alerts can also register and maintain an account on the buildingeye platform.

The process is simple and only takes a few minutes following the step by step wizard.

Once details have been entered, an email is sent to the provided email address to validate its authenticity.

Email Alerts

User who wishes to receive email alerts must have a valid account (as outlined above) and can do the following:

1. Create an alert by choosing a geographic location to alert on with a fixed Radius, Zip code or Neighborhood.
2. Set the notification frequencies: weekly, biweekly or monthly.

Once the above is completed the user can manage their alerts through a user dashboard where they can delete or change the frequency of the alert.
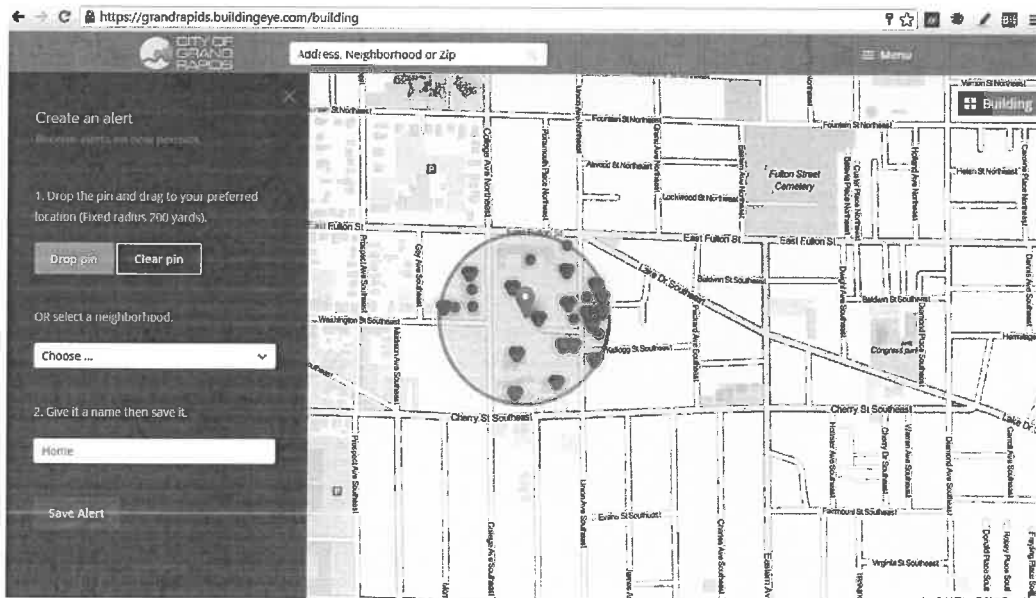

Image 3: Mockup of email alert creation tab

Data Extraction & Update

To initiate the project, buildingeye is permitted read only access to the City of Kentucky Accela back office system.

Data for each module is downloaded for a fixed period and analyzed to understand workflow, application types, address normalization etc.

buildingeye prepares an integration system with records visualized and a list of questions presented to the City project team. This is an iterative process and buildingeye works continuously to deliver on the defined scope with the project team until the application is ready for testing.

Based on a successful outcome, the City's data for a given period (up to 5 years) is uploaded to the buildingeye product and is deemed to be a Private Live Release.

On a daily basis, buildingeye extracts and updates data from the Accela back office system to the buildingeye product modules.