New Technology in Elections

in the City of New York

Presenters

John P. O'Grady

Debra Leible

John Naudus

New Technology in Elections

➢ New Unofficial Election Night Results Process

➢ Web-based applications for Poll Workers, Technicians, and Voters

➢ Voter Information Center Kiosk (VICKi)

New Unofficial Election Night Results

Using the PMD for Unofficial Results

Close of Polls

➢ Poll Workers close polls on scanner

➢ PMD is removed from scanner

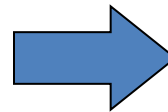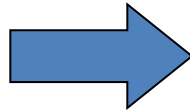➢ PMD is placed in ziploc bag and sealed

Close of Polls

➢ Sealed PMD is placed in yellow pouch

➢ Yellow pouch is sealed

➢ Yellow pouches from each scanner are placed in large yellow bag

➢ Yellow bag is sealed

Close of Polls

➢ Coordinator hands yellow bag to Police Officer

➢ Police Officer goes to precinct and hands off the yellow bag to a bi-partisan team of Election Night Reporting (ENR) Clerks

Unofficial Results

➢ ENR Clerks scan bag using RFID technology to confirm all PMDs are present

➢ ENR Clerks insert PMDs into laptop and transmit the Unofficial Results

Unofficial Results

➢ Laptops at Precincts transmits unofficial results to SFTP Server

➢ ERM Servers retrieve unofficial results from SFTP Server
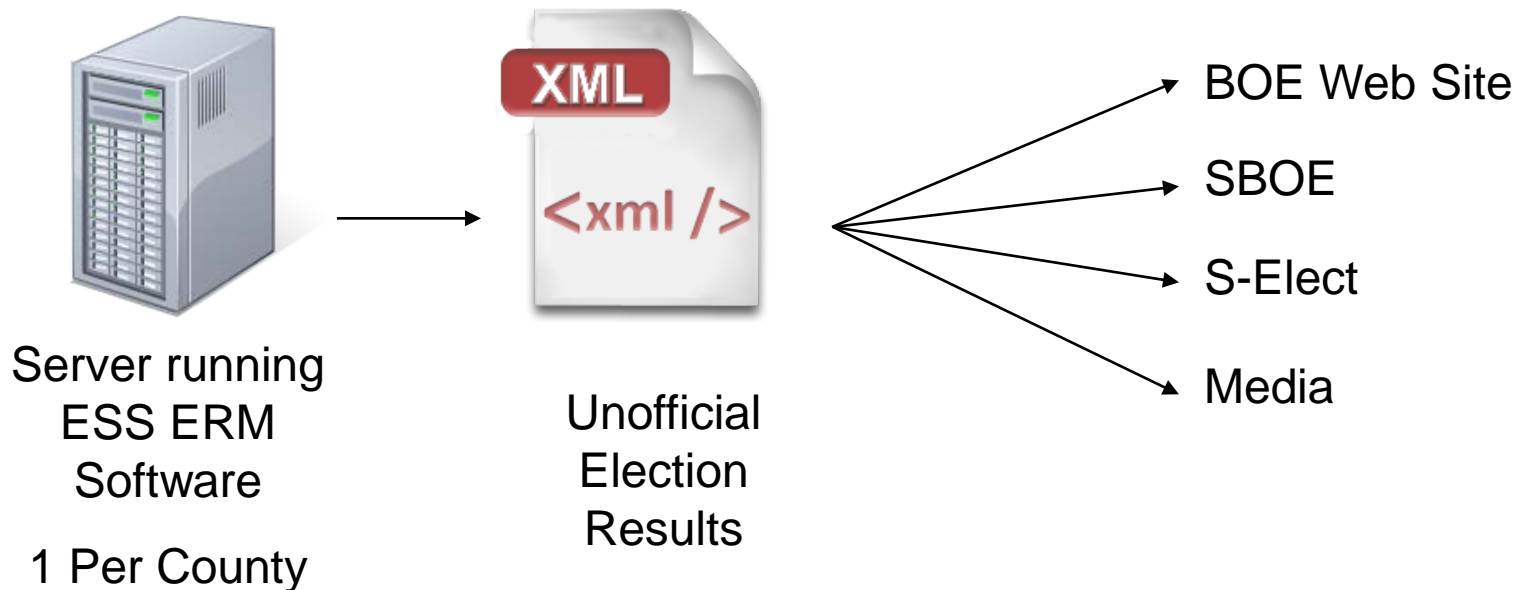
SFTP Server at

BOE General Office

Server running ESS
ERM Software

1 Per County

Unofficial Results

➢ Periodically during Election Night, XML files are created on the ERM Servers and are electronically transferred to the BOE's web site, State Board of Elections, Board's central election management system (S-Elect) and the media.
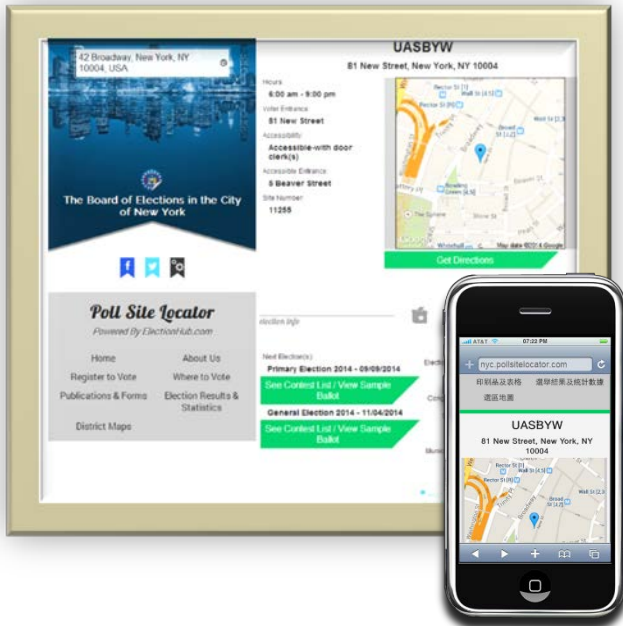

Server running
ESS ERM
Software

1 Per County

Unofficial
Election
Results

BOE Web Site

SBOE

S-Elect

Media

Web-based applications for voters, poll workers and technicians

Using the web and cloud to improve the election process for all

M-Elect

➢ Starting in 2013, the NYCBOE began to develop a suite of web-based applications to enhance various areas of the voting experience

➢ Web-based applications are device independent

➢ Applications include:
   ❖ Online Poll Site locator
   ❖ Poll Worker web portal
   ❖ Election Day incident reporting, dispatching and resolution system
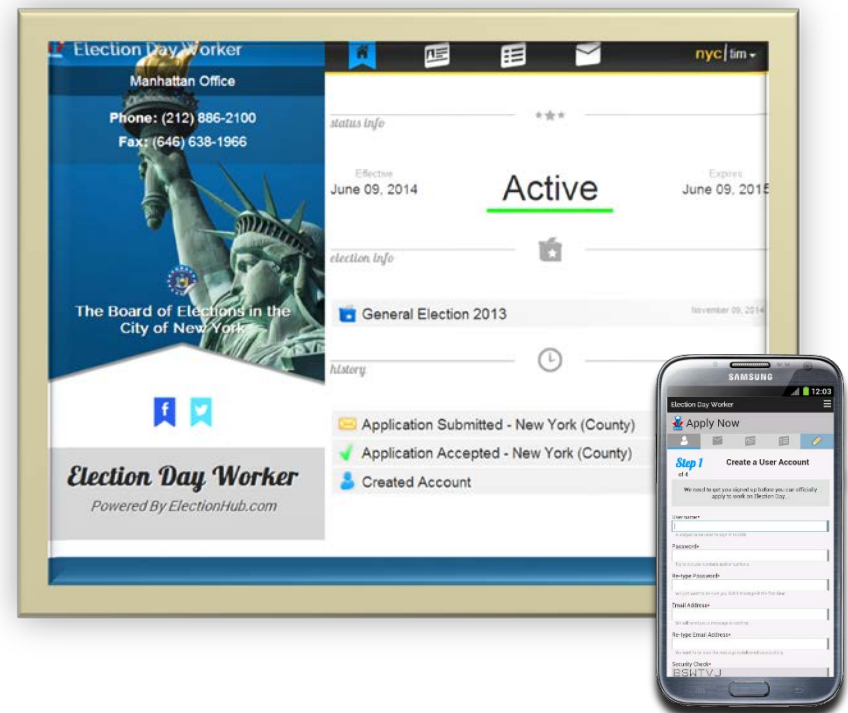
M-Elect - Pollsitelocator.com

➢ Allows a voter to lookup their poll site and receive turn by turn directions (walking or driving)

➢ Allows an Information Clerk to lookup a voter's Election District and if necessary, direct the voter to their correct poll site

➢ Provides list of Candidates specific to the voter

➢ Provides a sample of the Election Day Ballot

M-Elect - Electiondayworker.com

➢ Allows residents of New York City to sign up to be a standby poll worker

- ❖ Inspector
- ❖ Information Clerk
- ❖ Interpreter
- ❖ Door Clerk

➢ Allows a poll worker to:

- ❖ renew their application for the upcoming Poll Worker year
- ❖ see their Training and Work assignments

M-Elect - Electionresponder.com

- ➢ Improves upon existing phone-based Call Center operation
- ➢ Technicians and Poll Site Monitors utilize mobile devices to report:
  - ❖ Poll Site Incidents
  - ❖ Poll Site Resolutions
- ➢ Staff are assigned Poll Sites and app automatically generates a route for them to follow based on distance to next poll site
- ➢ App provides detailed information on poll site
  - ❖ Schematic (Route from the Curb to the poll room)
  - ❖ Floor Plan (Layout of Equipment – Scanners, Privacy Booths, BMD)
  - ❖ Number of Election Districts
  - ❖ Number of scanners and serial numbers
  - ❖ Number of Ballot Marking Devices and serial numbers
  - ❖ Poll Worker staffing

Future of M-Elect

➤ Allow Poll Workers to:
  ❖ Schedule their training class
  ❖ Notify NYCBOE if they are unable to work Election Day
  ❖ Take online training courses and complete quizzes
  ❖ Receive Notices to Work and Notices to Train by email
  ❖ Send and receive messages to/from the NYCBOE on Election Day
  ❖ Receive notification of when their payroll has been processed

➤ Allow Coordinators to retrieve poll site information including:
  ❖ Poll Worker staffing and contact information
  ❖ Site Schematic
  ❖ Floor Plans
  ❖ Last Minute Special Instructions
  ❖ ADA Compliance Information

➤ Incorporation of Electionresponder.com into an on-site device allowing:
  ❖ Real-time tracking of ADA Compliance
  ❖ Reporting of Poll Site Incidents including request for Standby Poll Workers and supplies
  ❖ Reducing paperwork and improving response time on Election Day
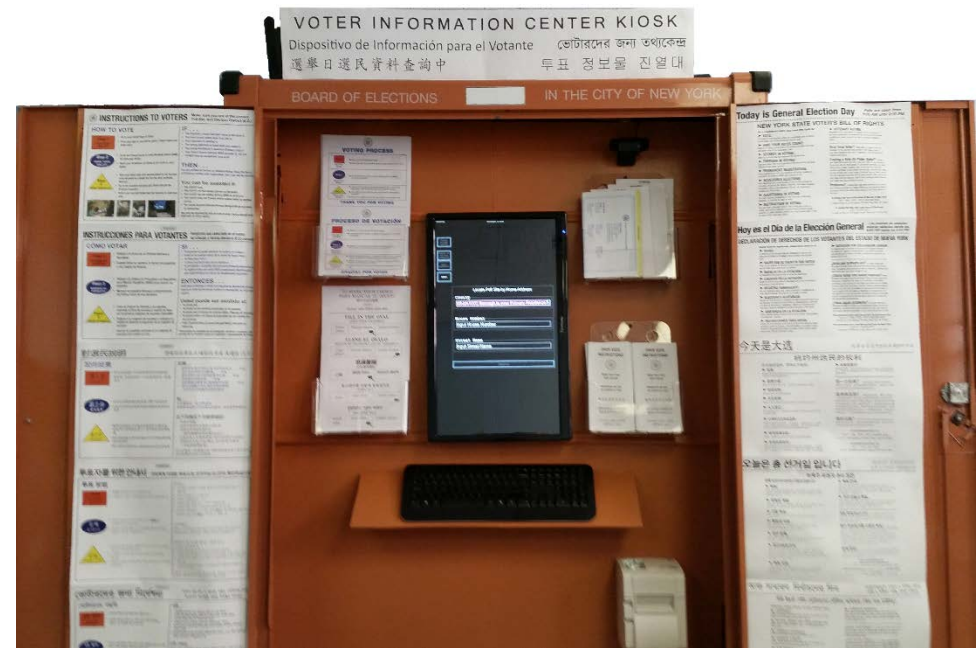
Voter Information Center Kiosk

Currently Under Development

Voter Information Center Kiosk (VICKi)

VICKi currently provides three main functions at a Poll Site:

- ➢ Electronic Street Finder / Poll Site Locator

- ➢ Poll Worker Check-In

- ➢ Unofficial Election Night Results Reporting

Voter Information Center Kiosk (VICKi)

Electronic Street Finder / Poll Site Locator

➢ Voters enter their address and are informed (using GPS) if they are in the correct Poll Site

➢ If not, provides a map and directions to their correct poll site

➢ Ability for voter to print turn by turn directions (Walking or Driving)

Locate Poll Site by Home Address

County
New York (Manhattan)

House Number
42

Street Name
Broadway

Example: Broadway (OR) Example: Queens Blvd

Search

A 29-59 Canyon of Heroes, New York, NY 10006, USA

0.1 mi- about 3 mins

1. Head southwest on Broadway toward Morris St — 197 ft

2. Slight left to stay on Broadway — 289 ft

3. Turn left onto Beaver St — 190 ft

4. Turn left onto New St — 89 ft

B 33-67 New Street, New York, NY 10004, USA

Your home address is currently served by UASBYW [11255]
- for ED/AD Table 001/65 Zip: 10004
Multiple Entrances Found For This PollSite - Please Proceed to
5 Beaver Street for the Handicap Entrance, or to the
81 New Street for the Voter Entrance. Located at
81 New Street, New York, NY 10004 [40.70524,-74.01253]

Voter Information Center Kiosk (VICKi)

Poll Worker Check-In

➢ Allows poll workers to check-in by scanning their Notice to Work and receive a confirmation receipt

➢ Allows NYCBOE to monitor staffing at Poll Sites decreasing the amount of calls into the NYCBOE Call Center

➢ Allows NYCBOE to proactively deploy standby poll workers

➢ Allows NYCBOE to complete poll worker payroll efficiently

Voter Information Center Kiosk (VICKi)

Unofficial Election Night Results Reporting

➢ After the Polls close, the system would be used as an ENR terminal allowing unofficial results to be transmitted directly from the Poll Site

➢ Expected to provide earlier unofficial results reporting