

Peterborough Election Stats

- Population: 75,600
- Description: MAYOR - 1 to be elected by general vote; COUNCILLOR - 2 to be elected from each of the (5) five City wards.
- Electorate: 52,116
- Advanced Traditional Voting: 2,264 ballots cast, or 4%
- Internet Voting: 4,413 registered voters, 3,473 cast an internet ballot, total 7% internet voters
- Voter Turnout 2006: 25,036 paper ballots cast, 8 audio ballots cast for a total of 25,044 or 48.04%



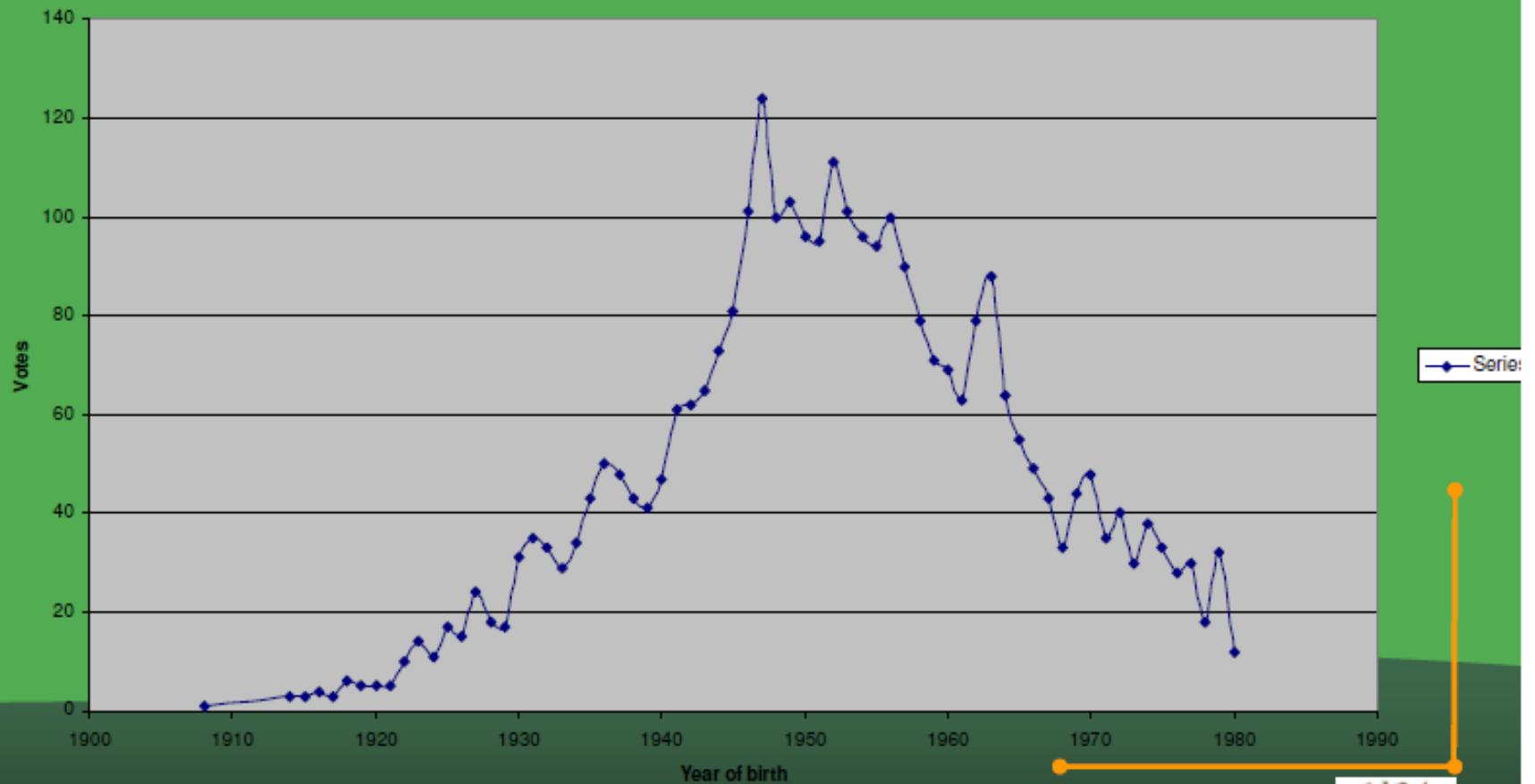
Reasons for Internet Voting

- Be a leader in the delivery of voting services
- Embrace new technology
- Increase voter participation (and avoid bad weather Election Days)
- Adapt to changing life styles of the community (university students, retirees, persons with disabilities)



Internet Voting - Demographics

Voters by age



City of Peterborough



Chronology of Voting Services 2006

- Fall 2005 – Issued RFP – for Internet Advanced Services and Vote Tabulators for Election Day
- January 2006 – Report from the City Clerk – Recommending the Award of RFP for Lease of Internet Voting Services (Advanced Voting only) and Vote Tabulators (Election Day) to Dominion Voting, Toronto, Ontario



Guiding Principles for 2006 Election

- Security (both internet advanced voting and vote anywhere technology)
- Ease of Use
- Service Options/Convenience
- Accessibility
- Enhanced features for Persons with Disabilities



Security – Audit of Provider

- An independent security audit of Dominion Voting ~ Remote Voting (Internet) was completed by Digital Boundary Group (London, Ontario) on behalf of the City of Peterborough over a one week period
- Typical tests included: password strength, denial of service, injection techniques to get more information about the security of the system, ensure an intrusion detection system was present, system scanners to determine the security vulnerabilities of the host and attempt to exploit those
- Digital Boundary Group advised the Dominion system was a very secure solution, one of the most secure hosts they had seen
- Based on the results of the security audit and the ability of Dominion to implement other suggested changes and/or bug fixes, the City moved forward with its decision to implement advanced internet voting



Security - Establish Internet Voting Site

- The City of Peterborough's primary objection was security; therefore, we created an independent internet website solely for the purpose of the 2006 Municipal Election to segment that information from the City's corporate site
- This site hosted general information, policy and procedures regarding the election, internet voting instructions, the internet log-in interface and vote anywhere details
- www.peterboroughvotes.ca
- Website can be resurrected for the 2010 Election if the City prefers to do so



Internet Voting Process

- The City of Peterborough selected a two-step process
- First Step – NRC Card with random 10 digit Elector Identification Number (EID)
- Second Step – Pre-register for a Personal Identification Number (PIN), using the NRC Card random EID. PIN (a 10 digit randomly generated combination of numbers and letters) was provided either via security enhanced pdf by e-mail or first class mail (at the elector's preference)
- The EID and the PIN were never provided together
- Flags in place for security measures (City staff reviewed and released PIN's on a daily basis)



Security ~ Advanced Internet Voting

- Elector also selected a “secret question/answer” when they pre-registered online for internet voting
- Using the EID and the pre-registered PIN number an elector logged onto the secure website, answered their selected “secret question” and once verified, obtain the appropriate ballot
- Elector would choose whether to vote any/all contests on the ballot, be provided a final review of the ballot, then cast the ballot
- Elector received verification that the ballot was cast (elector was simultaneously struck from the electronic voter’s list via the Elector Management software)



Sample of NRC



If undeliverable return to:
Returning Officer
City of Peterborough
500 George Street North
Peterborough ON K9H 3R9
Tel 705-742-7771



EID #:0000989724

VOTER NOTIFICATION OF REGISTRATION CARD

DOE JOHN JOSEPH
430 HOWDEN AVE
PETERBOROUGH, ON
K9J 5Y7

You will need this card to vote Internet Advanced
or vote at a voting station on Election Day,
Monday, November 13, 2006

**DO NOT DESTROY
KEEP THIS CARD**

City of Peterborough



Sample of NRC

You may vote at any of the following eighteen (18) voting locations City-wide on Election Day, Monday, November 13, 2006 from 10:00 a.m. to 8:00 p.m.:

Evinrude Centre
Roger Nielson Public School
Cephas Christian Reform Church
St. Catherines School
City Hall
Monsignor O'Donoghue School
Peterborough Museum and Archives
Adam Scott Collegiate
Northcrest Arena

Memorial Centre
Sport and Wellness Centre
James Strath Public School
St. Teresa's School
Peterborough Public Library
Otonabee Valley Public School
Thomas A Stewart Secondary School
Highland Heights Public School
R.F. Downey Public School



For more information regarding the above voting locations please contact the Clerk's office at 742-7771, Ext 1797, or visit our website for map/bus route/directions at www.peterboroughvotes.ca

Before Election Day, you can vote at the **Advanced Poll** on Saturday, November 4, 2006, from 10:00 a.m. to 8:00 p.m. at City Hall, 500 George Street, Peterborough, Ontario; or,

You must **pre-register for a PIN number** online at www.peterboroughvotes.ca between October 12th and November 8th, in order to vote internet. You will need your Elector Identification Number and PIN to cast an internet vote. You may then log on and **Vote Internet Advanced** from November 6, 2006 at 12:00 a.m. until November 11, 2006 at 12:00 a.m. inclusive at www.peterboroughvotes.ca. Need help voting? Call 1-866-862-4595 during the hours of _____ to _____ p.m.

City of Peterborough



Ease of Use ~

Advanced Internet Timelines

- Convenient registration for PIN from October 21 to November 8, 2006, at 4:00 p.m. inclusive (24 hours a day for a 17 day period)
- Ability to log onto elections website www.peterboroughvotes.ca from November 6th at 12:00 a.m. to November 10th at 11:59 p.m. inclusive, to cast internet vote (24 hours a day for a 5 day period)



Service Options - Internet Voting

- City of Peterborough Clerk's office provided personal assistance with internet voting questions during regular business hours for the the registration and voting period of October 21 to November 13, 2006.
- A 1-800 Call centre was available through the service provider (Dominion Voting) from November 6 to November 10, 2006 to assist with any technical difficulties while using the internet voting site
- Public computer terminals were made available at City Hall, the library and other municipal facilities for those who wished to use internet voting, but did not own a computer



Enhanced Features – Internet Voting

- Electors had the choice of either a regular internet ballot or an enhanced internet ballot at the time of pre-registration
- Enhanced ballot featured large text font and an audio component
- Internet ballots were compatible with software such as “JAWS”, that many computer user’s with visual disabilities have installed on their home computer



Internet Voting Log-in



City of Peterborough
2006 General Local Election

dominion

VOTING™

On Line Services - Elector Login

Please type in your personal information to access Election Online Services

Enter Elector ID from your Notice of registration card (NRC) *

Last name *

First name *

Middle name *

If you can't read the security code, [generate a new one](#).

849833

Enter the security code shown above *

Fields required for successful login are marked with *.

Reset

Submit

For more detailed instructions, download [Quick Start Guide](#) (PDF)
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City of Peterborough



Internet Ballot



City of Peterborough
Municipal Elections - City of
Peterborough General Election

Input details
Polling District
District 1

100%

for the office of
Mayor

You are entitled to vote for 1 candidate(s) for this office.

Emily CARR ☐

John FRANKLIN ☐

Willie LAURER ☐

Mike J. MASSEY ☐

Step 1 of 2

HELP CLEAR

PREVIOUS NEXT

Information
This ballot is valid - Please review your votes.
Are you certain you wish to mark this ballot?

Yes No

for the office of
Mayor
YES have selected:

Willie LAURER

for the office of
City Councillor
You have selected:

Jean CADOT
George DADMAN
John JOLLET
Nelle MCCLUNG
Michael MELSON
Ray PROFFORD

for the office of
School Trustee (EP)
You have selected:

Bernard CHAMPLAIN
James COOK
Joanna RANCE

City of Peterborough



Lessons Learned

- Complete understanding of process and technology by core team
- Dedicated marketing team
- Manage in-house help centre
- Generate and issue NRC Cards in-house
- Reporting functions must be more accessible and controllable by the City
- Increase number of laptops used at each voting location
- Increase staffing on Election Day
- Increase location(s) and duration of advanced polls
- Implement advanced polls at special voting locations (retirement homes) in order that they may utilize all new technology

