



Canadian Common Ground Alliance

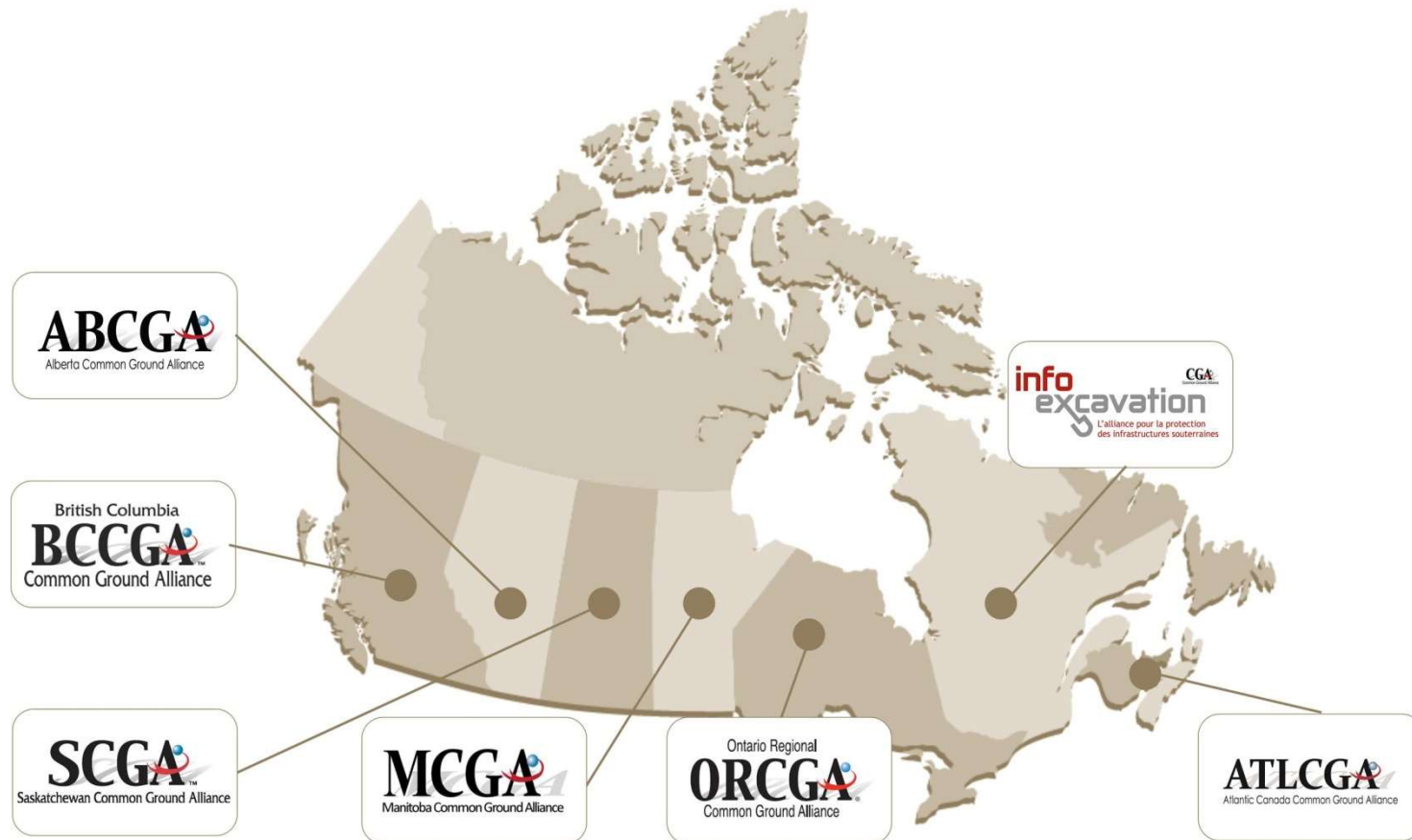


The Canadian Common Ground Alliance is dedicated to damage prevention solutions that will benefit all Canadians.

A chance meeting...



CGA Regional Partners



Damage prevention issues of national interest

- Simplified Access to One Call Centres and the Damage Prevention Process
- Best Practice Harmonization
- One Call Systems Serving all of Canada
- Damage Prevention Legislation and Meaningful Enforcement of same
- Mandatory Damage Reporting (DIRT)

Simplifying access to One-Call Notification Services



The CCGA's application for 811



How to simplify access?

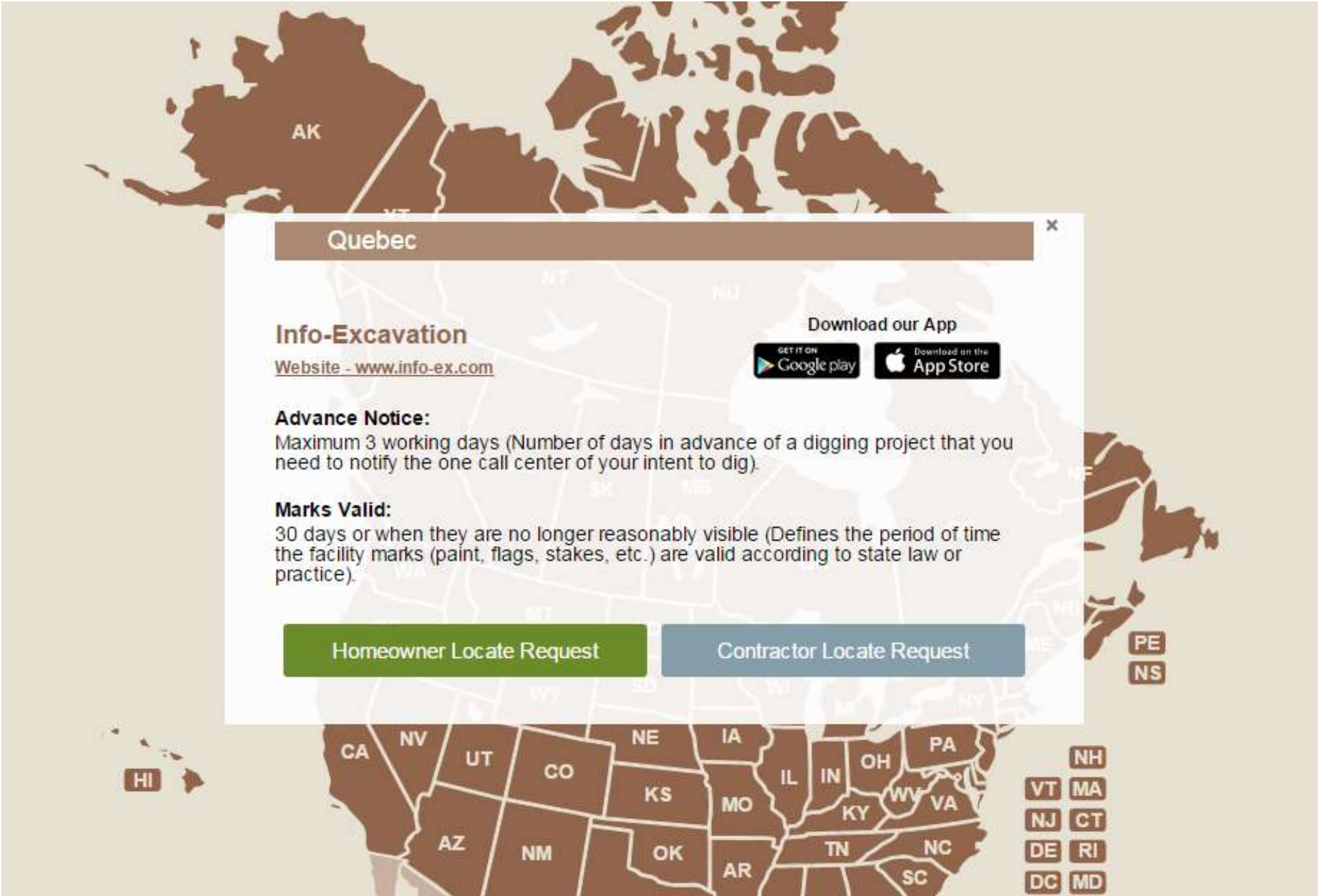
NORTH AMERICA'S new
ClickBeforeYouDig.com
Portal



**Click
Before
You Dig**

Know What's Below.

ClickBeforeYouDig.com
CliquezAvantDeCreuser.com



Quebec

Info-Excavation

Website - www.info-ex.com

Download our App



Advance Notice:

Maximum 3 working days (Number of days in advance of a digging project that you need to notify the one call center of your intent to dig).

Marks Valid:

30 days or when they are no longer reasonably visible (Defines the period of time the facility marks (paint, flags, stakes, etc.) are valid according to state law or practice).

Homeowner Locate Request

Contractor Locate Request



Why ClickBeforeYouDig.com?

Placing requests online has benefits:

For Users:

- Place locate requests 24/7
- Never be on HOLD!
- Eliminate errors in data entry
- Include attachments / photos

For Contact Centres:

- Decreased processing time
- Reduce cost to members

For Members

- Attachments reduce the need to locate while maintaining system integrity



Mobile “One Call” Applications

Putting safety in the palm of your hand



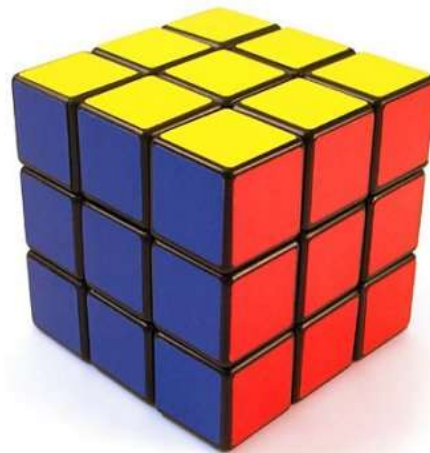
CSA Z247

Damage prevention for the protection of underground infrastructure

Challenge

Securing a cross-section of buried utility owners, operators and their associations, locators, and regulators to the CSA Technical Committee from across Canada...

...and designing a Damage Prevention Standard that applies to all of them.



Z247's Technical Committee

- Regulators (five regulators)
- Transmission Pipelines
- Distribution pipelines
- Telecommunications
- Municipalities (FCM)
- Electricity
- Excavators
- One-Call Systems / Services
- Locators
- Buried infrastructure associations (CEPA, CAPP, FCM, CCGA, CAPULC)
- Water and Sewer
- Upstream facilities

Senate Committee

Energy, the Environment and Natural Resources

“...the federal government facilitate efforts to establish a national access point for information on the location of buried infrastructure, as well as the promotion of one-call centres and call-before-you-dig initiatives. Information on the coordinates of underground infrastructure should be consulted prior to any excavation activities by a third party”



Senate Committee

Energy, the Environment and Natural Resources

February 2014: *Motion passed to examine One Call Services and Damage Prevention Best Practices.*

December 2014: *Released “Digging Safely – One Call Notifications Systems and the Prevention of Damage to Canada’s Buried Infrastructure”*



Senate Committee

Energy, the Environment and Natural Resources

Recommendation 1

That the federal government reference the CSA Z247 standard for protection and prevention of damage to buried infrastructure in relevant federal legislation and encourage provinces and territories to reference the standard in legislation.



Senate Committee

Energy, the Environment and Natural Resources

Recommendation 2

That buried facilities on federal land be registered with a provincial or territorial one-call service; and that the federal government require anyone undertaking construction or excavation on federal land to call a one-call service, where one exists.



Senate Committee

Energy, the Environment and Natural Resources

Recommendation 3

That the federal government require all owners of federally regulated buried infrastructure to become members of a provincial or territorial one-call service, where one exists.



Senate Committee

Energy, the Environment and Natural Resources

Recommendation 4

That the federal government introduce a conditional provincial/territorial grant dependent on the adoption of legislation requiring mandatory participation of all owners and/or operators of underground facilities and excavators in a prescribed one-call service. The grant would be available to assist one-call centres with training, innovation, education and public awareness.



Senator Grant Mitchell



The Underground Infrastructure Safety Enhancement Act

The Underground Infrastructure Safety Enhancement Act

Governing:

- Federally regulated underground infrastructure
- Underground infrastructure on federal lands

Mandates:

- Registration with a notification centre
- Response to a locate request
- Federal regulators of buried infrastructure must develop a damage prevention mandate

CCGA National Committees

- **National Best Practices Committee**
- **National DIRT & Statistics Committee**
- **National Education & Marketing Committee**

National Statistics



**National Report
on Damage to
Underground
Infrastructure**

Highlights
2012, 2013
and 2014

**Alberta
British Columbia
Ontario
Quebec
Saskatchewan**



Damage Information Reporting Tool (DIRT) Highlights

National Report on Damage to Underground Infrastructure

Highlights
2012, 2013
and 2014

Alberta
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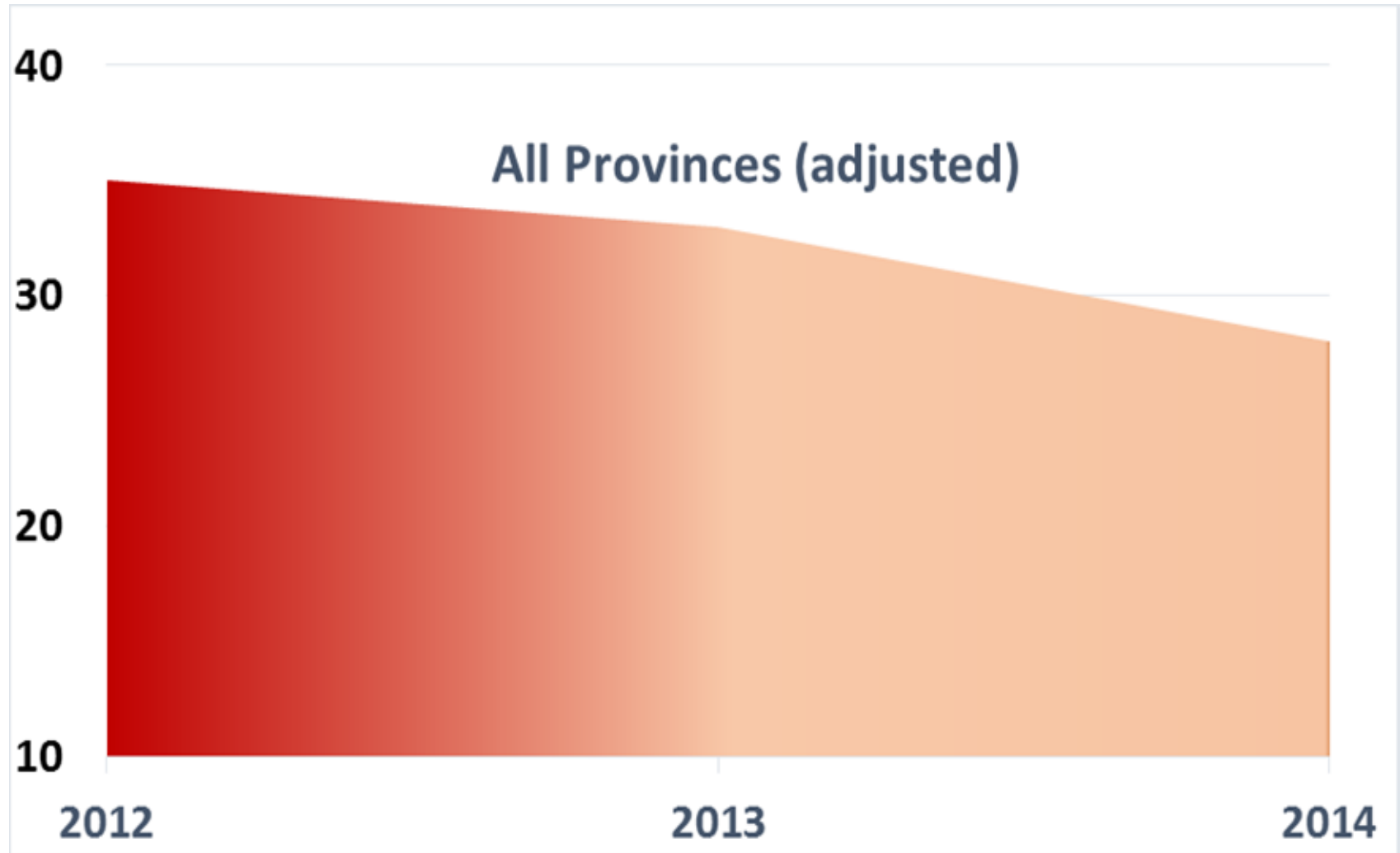


- **Reporting in DIRT is voluntary.** Data analyzed is not representative of all damages that have occurred.
- **A significant number of queries were left unanswered** in the damage reports completed by DIRT users. Report provides aggregate data from the participating provinces.
- “Damage” refers to damages and near misses (near hits)

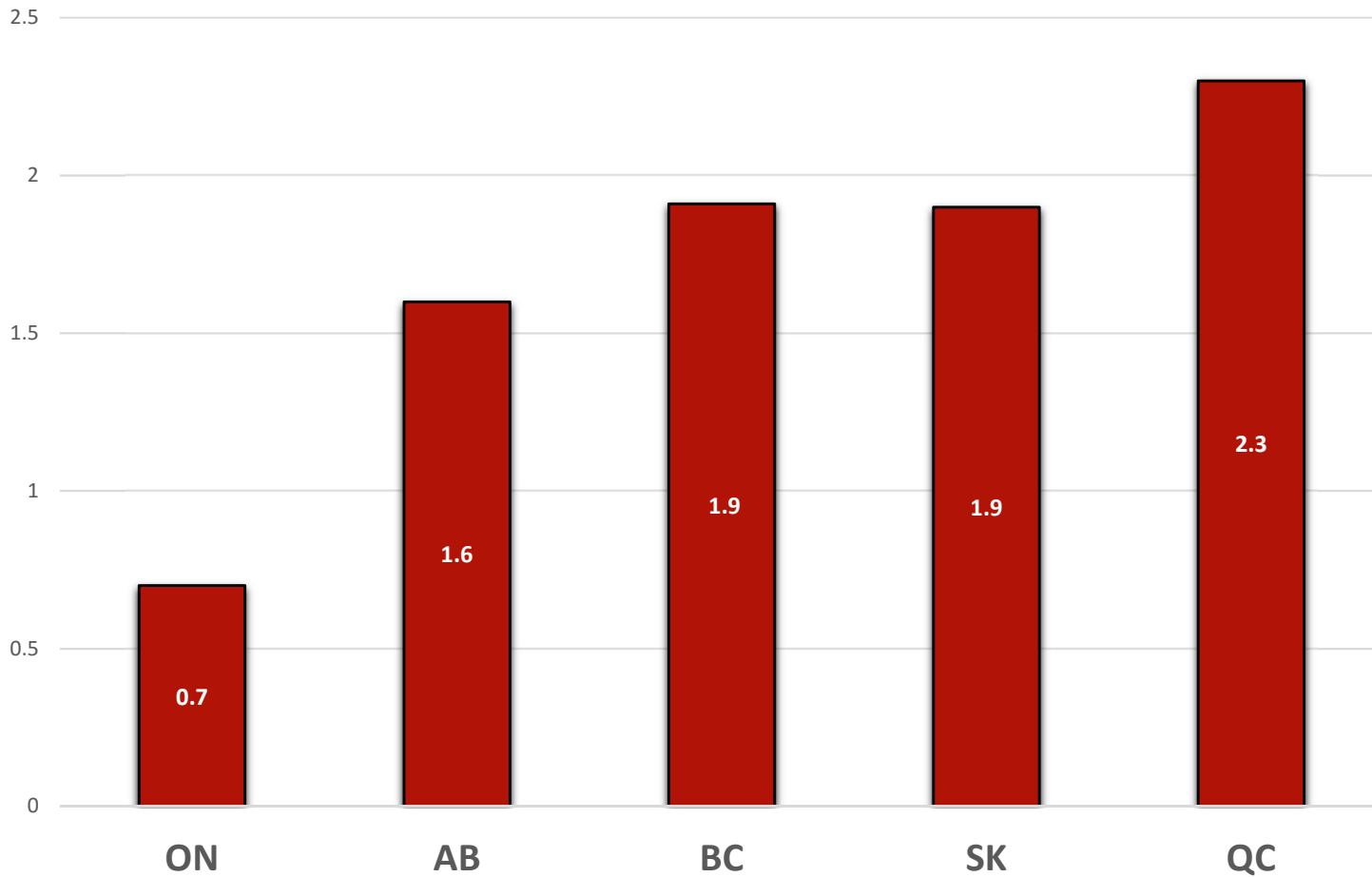


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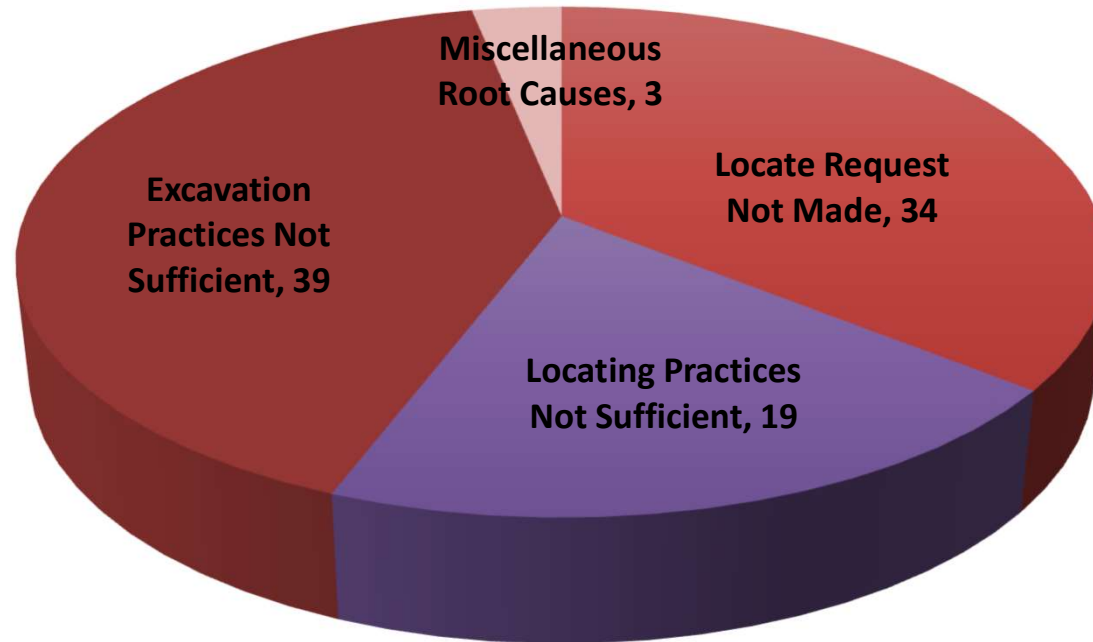
Damages per Business Day 2012 - 2014



2014 Damage Ratio per 1000 Notifications



Root Cause 2014



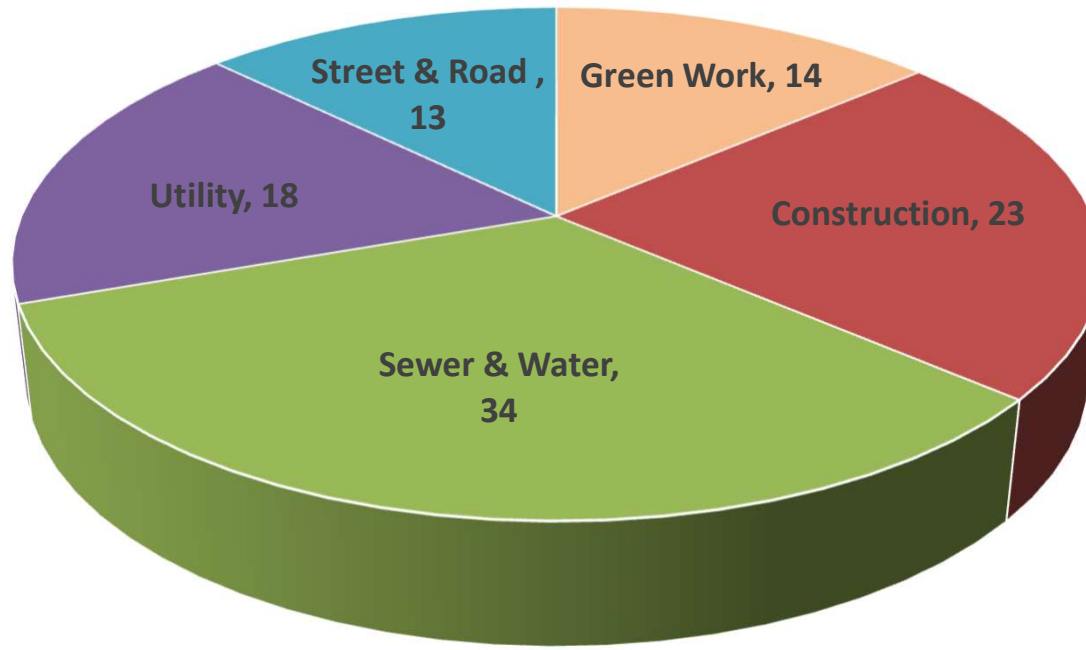
■ Locate Request Not Made

■ Locating Practices Not Sufficient

■ Excavation Practices Not Sufficient

■ Miscellaneous Root Causes

Type of Work Resulting in Damage



- Green Work
- Construction
- Sewer & Water
- Utility
- Street & Road

Societal Costs

- Beyond repairs, most damages generate societal costs:
 - Environmental contamination
 - Emergency response
 - Loss of service, business, data
 - Evacuation
- Alberta reported over 2,500 damages to underground infrastructure in 2015. The societal cost formula attributed determined these damages cost Albertans over \$300,000,000.
- Damages across Canada are costing Canadians over \$1,000,000,000 every year.



Canada's National Damage Prevention Branding.



**KNOW WHAT'S
BELOW.**

ClickBeforeYouDig.com

**CREUSER SANS S'INFORMER,
ÇA PEUT COÛTER CHER!**

CliquezAvantDeCreuser.com

2016 DAMAGE PREVENTION SYMPOSIUM

A large black silhouette of an excavator is positioned on the right side of the red background, partially overlapping the main title text.

Canadian Common Ground Alliance

THE *Fairmont*
BANFF SPRINGS





Canadian Common Ground Alliance

www.canadiancga.com

