



Committee of the Whole

penticton.ca

Committee of the Whole
to be held at
City of Penticton, Council Chambers
171 Main Street, Penticton, B.C.

Tuesday, December 19, 2017
Recessed from the Regular Council Meeting at 1:00 p.m.

1. **Call Committee of the Whole to Order**
2. **Adoption of Agenda**
3. **Delegations and Staff Presentations:**
 - 3.1 Smart Cities Challenge
Keith Macintyre 1-17
4. **Adjourn to Regular Meeting of Council**



Tech Talk column with Keith Macintyre

Tech Talk: Penticton — The Smart City Champion of Canada

Keith MacIntyre writes a tech column exclusively for the Penticton Western News

Dec. 1, 2017 3:00 p.m. / [COLUMNISTS](#) / [OPINION](#)

What could Penticton do with a \$50-million prize?

I am making a bold statement that Penticton will enter and win the Smart Cities Challenge recently announced by the federal government

(<https://impact.canada.ca/en/challenges/smart-cities>).

The top prize is \$50 million, two \$10-million prizes and \$5 million to the winning communities in Canada to implement their proposals. The vision of

the competition is to “inspire communities across the country to define their future with the help of their residents through the use of a smart cities approach.”

To quote Minister Sohi, Minister of Infrastructure and Communities: “I am challenging leaders to be bold and think outside the box. I want you to approach the challenge through a lens of transparency, experimentation, inclusiveness, empowerment and knowledge-sharing. And above all, I want you to think about what will have the biggest impact on the people who call your communities home.”

A smart city approach is more than just technology and data. It is using an open, collaborative approach to achieve real outcomes to improve the lives of their residents through innovation, data and connected technology. I know that we have an incredible community full of leaders in Penticton that will come together and define what our most important community challenge is. Some examples of a challenge statement:

- “Live an active and healthy life”
- “Be empowered and included in society”
- “Move around my community”
- “Earn a good living”

- “Feel safe and secure”

There are dozens of ways that we can address these issues with technology, data and forward thinking. I’ve already started the dialog and the community is engaged and excited. I know I can rally the tech community and we can work with other community leaders to win this challenge.

What is the most important issue to you? What are the unsolvable problems? How do we solve them?

We are a community that is the perfect size to make real change that will help not only our community but communities around the country and the world. As a leader in the tech community I have the opportunity to meet and talk to talented tech professionals that are here, and many that are in the process of moving here. We understand what technology can do, and I want to bridge the gap between us and the community leaders that know what the challenges are in our great city.

I’ve been working with an emerging technology that could solve dozens of challenges from bike thefts to irrigation management to senior care to asset tracking and so much more. This can be an opportunity to put Penticton on the map as a leader with this emerging technology. There is an

opportunity to create new companies, new jobs and show the world how truly innovative we are in Penticton.

I know that Kelowna is working on a proposal for this challenge too and I would like to see our cities collaborate together to share ideas. I would like to see Kelowna and Penticton as finalists and winners in this competition and show the rest of the country the innovations that are happening here. And in the spirit of competition, I challenge Andrew Jakubeit and Colin Basran to craft a friendly wager between our communities should one of us win and not the other.

Join me for Christmas #TechBrew at Cowork Penticton's new location on Dec. 15 at 6 p.m. Please RSVP, space is limited.

<https://www.meetup.com/South-Okanagan-Technology-Professionals/events/245195090/>

Keith MacIntyre writes a tech column exclusively for the Penticton Western News and is the owner of [Big Bear Software Inc.](#)



PENTICTON: SMART CITY CHAMPION OF CANADA

What is the Smart City Challenge?

CHALLENGE DETAILS

Key dates

- **Application deadline:** April 24, 2018
- **Announcement of finalists:** Summer 2018
- **Announcement of winners:** Spring 2019

Who can apply?

- Municipalities, local or regional governments
- Indigenous communities
- Groups of organisations above

Prizes

- One prize of up to \$50 million
- Two prizes of up to \$10 million each
- One prize of up to \$5 million

All finalists will receive a grant of \$250,000 to develop their final proposal.

Creating a platform for bold ideas



Communities lead the way

The Smart Cities Challenge is a competition open to all municipalities, local or regional governments, and Indigenous communities (First Nations, Inuit, and Métis) across Canada.

This Challenge will empower communities across the country to address local issues their residents face through new partnerships, using a smart cities approach.

A smart cities approach means achieving meaningful outcomes for residents through the use of data and connected technology. This approach can be adopted by any community, big or small.

Finalists will receive support to develop their smart cities proposals. Winning communities will be awarded with prize money to help implement them.

Through the Smart Cities Challenge, we hope to:



REALIZE OUTCOMES FOR RESIDENTS

Because the Smart Cities Challenge is all about achieving outcomes, it will be vital for communities to measure where they are starting from, when they are making progress, and when they have achieved success. Establishing a baseline and measuring results will be central to doing this.



EMPOWER COMMUNITIES TO INNOVATE

Communities should take risks and think big, identify significant, pressing, and perceived "un-solvable" problems, and achieve outcomes through data and connected technology.



FORGE NEW PARTNERSHIPS AND NETWORKS

Communities will need to undertake meaningful engagement with residents and forge relationships with new and non-traditional partners.



SPREAD THE BENEFIT TO ALL CANADIANS

Smart cities approaches should not only benefit a single community; they should be scalable and replicable across Canada.

What is a smart cities approach?

A smart cities approach aims to achieve meaningful outcomes for residents by leveraging the fundamental benefits that data and connected technology have to offer:

- **Openness**

When communities make their data truly accessible, usable and barrier-free, their decision-making processes become transparent, empowering citizens and strengthening the relationship between residents and public organizations.

- **Integration**

Data and connected technology empower communities to break down silos that exist within local governments and public organizations.

- **Transferability**

When tools and technological approaches are open-source, transparent and standardized, they can be used by communities across the country, no matter their size or capacity.

- **Collaboration**

Connected technology enables communities to bring traditional and non-traditional partners together to collaborate.

The Challenge Statement

To begin, each community will define its Challenge Statement.

The Challenge Statement is a single sentence that defines the outcome or outcomes a community aims to achieve by implementing its smart cities proposal. The Challenge Statement must be measurable, ambitious, and achievable through the proposed use of data and connected technology. Below, for illustrative purposes only, are examples of Challenge Statements, ideas of the kinds of smart cities activities or projects that could address them, and indicators on how progress might be measured.

Example 1: “Feel safe and secure”

Challenge Statement: The neighbourhood in our community with the highest crime rate will become safer than the national average.

Smart cities activities or projects:

- Establish enriched after-school programming for at-risk youth, providing them with access to technologies (digital design, 3D printing, coding) and opportunities to develop essential skills through gamification.
- Create an online platform for reporting and tracking incidents of crime that integrates resident input and city crime data.
- Install smart lighting and detection technology, integrated with first responder services, to address issues around safety and security.

Example 2: “Earn a good living”

Challenge Statement: After years of decline, our community will transform a former industrial neighbourhood into one of the top locations in Canada for economic growth.

Example 3: “Move around my community”

Challenge Statement: Our community will ensure that every senior who is able to live independently at home is empowered to do so.

Example 4: “Enjoy a healthy environment”

Challenge Statement: Our community will implement preventative measures to reduce flood damage risk by 40 percent and provide every resident of at-risk areas with access to these measures.



Application

APPLICATION SUBMISSION DEADLINE – April 24, 2018

Applicants should begin the Smart Cities Challenge process by engaging with residents about the most pressing issues their community faces. These consultations will help applicants define their Challenge Statements.

With their Challenge Statements established, applicants will develop the ideas and activities that will make up their preliminary Smart Cities Challenge proposal. The questions that will appear in the application form, information on how to fill it out, and evaluation criteria are provided in the Applicant Guide, available for download on this website.

Applicants must complete and submit their applications on this website by April 24, 2018.

Applicants are encouraged to contact [Infrastructure Canada](#) with questions about eligibility and other application requirements prior to the deadline.

When appropriate, questions asked and answered will be made available on this website.

#TechBrew

South Okanagan Technology Professionals

Location

Penticton, BC

Members

271



Okanagan, BC ~ OVERALL MATURITY LEVEL

Level 3

There are active high growth startups as well as a set of leaders in the startup community who are taking a long term (20+ year) view. A relatively high number of potential startups are being formed. There are multiple events per month in which everyone with interest attends.

Maturity Aspirations

- There are multiple blogger/influencers showcasing the entire community
- A diverse set of leaders spearhead key activities
- There are 25+ influencer/leaders that serve as power-nodes in the network
- There are > 500 startup founders; > 50 CS graduates; > 25 hyper-effective mentors
- Robust recruiting activities create entry -- > executive placement opportunities
- An angel group makes 4+ investments per year and a traditional accelerator is in operation
- At least 3 corporate partners are engaged with the community with some combination of investment, mentorship as well as serve as first/beta customers.

CULTURE

It is imperative for the participants of every startup community to conduct even the smallest of activities with an attitude of serving the entrepreneur in a manner that places their needs at the forefront.

We also believe strongly that a healthy dose of #givefirst as represented by every community leader has a multiplier effect that resonates throughout the network.

2.6

CONDITIONS

- ★ Network Size, Connectedness & Viscosity
- ★ #givefirst Attitude
- ★ Leader Diversity & Inclusion
- ★ Quantity & Quality of Community Leaders, Activities & Events
- ★ Community Storytelling

CULTURE

#1: Upgrade Your Attitude & POV



ROAD MAP ACTIVITIES

- ★ Tell Someone The Okanagan Startup Community Story . . . Every Day!
- ★ Focus On The Positive Aspects Of The Regional Story – Keep The Challenges Inside The Family
- ★ Identify A Need – Validate That There Are Others – Ask For Help to Craft A Solution ~~ LEAD
- ★ Be Open To New Leaders; Recruit Leaders When Necessary; Support Leaders Ideas

TALENT

Community growth has to be built on the backs of a growing number of founders, frictionless access to growth employees, and an ability to recruit experienced executives.

2.0



CONDITIONS

- ★ New Founder
- ★ Skilled Growth Employees
- ★ Training
- ★ Recrutable Executives
- ★ Talent Activation

Prizes



One prize of up to \$50 million

Open to all communities, regardless of population



Two prizes of up to \$10 million each

Open to all communities with populations under 500,000 people



One prize of up to \$5 million

Open to all communities with populations under 30,000 people