



# **“SMARTER CITIES”**

**Municipal Finance Officers’  
Association of Ontario**

**September 20, 2018**

**GORD HUME**



# GETTING SMARTER



# Smarter Cities:

- Better design
- Better development
- Greater and better use of technology
- Deliver better value
- More efficient infrastructure investments
- Understand the changing face of your community
- Financial planning and asset management

A vertical architectural drawing of a city skyline, featuring various building shapes and colors (blue, green, orange, purple, yellow) arranged in a column. The drawing is surrounded by vibrant, multi-colored paint splatters and dots in shades of blue, orange, yellow, green, and pink, creating a dynamic and artistic background.

# GETTING CITIES RIGHT

A blueprint for  
creating a better  
future for our  
cities & towns

## GORD HUME



REVIVER . . . TO

WORLD'S FIRST DIGITAL LICENSE PLATE

RPLATE

3SAM123









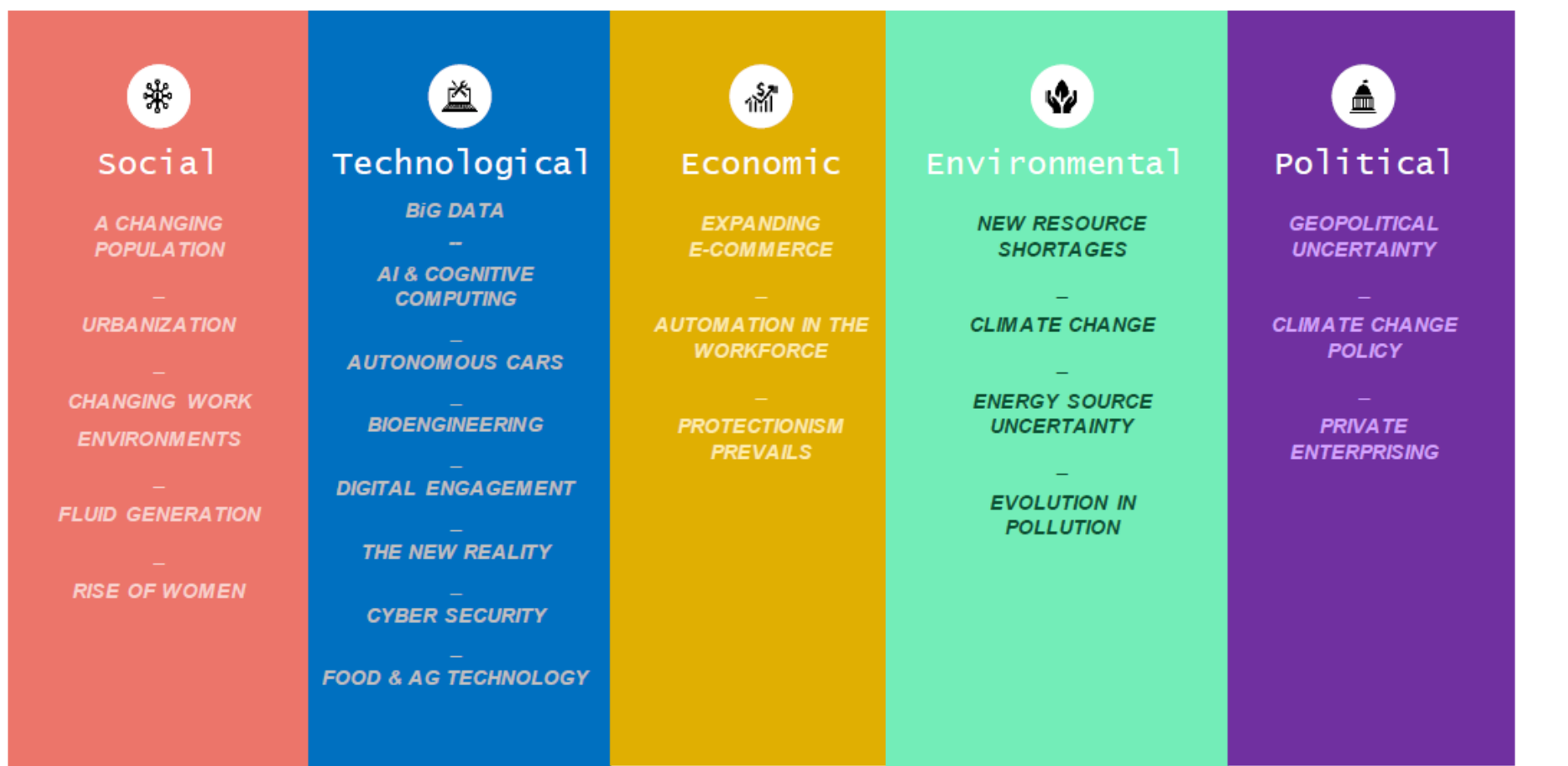


# *Advanced Technologies:*

- **Artificial Intelligence**
- **Sentient Tools**
- **Internet of Things**
- **Big Data**
- **3-D**
- **M2M**
- **And coming soon...5G!**

Step 1: Identified the change forces of the future

- Completed an Immersion Study with the Sterling Rice Group and identified 23 societal, technological, economic, environmental and political change forces that we believe will ripple across the world over the next seven years.







## Customize

Clear Changes

Sausage McMuffin with Egg

470 Cal | \$ 3.00



Regular

Butter  
40 Cal



1

American Cheese  
50 Cal ea.



1

Sausage  
190 Cal ea.



1

Round Egg  
70 Cal ea.



Change



English McMuffin Only  
160 Cal



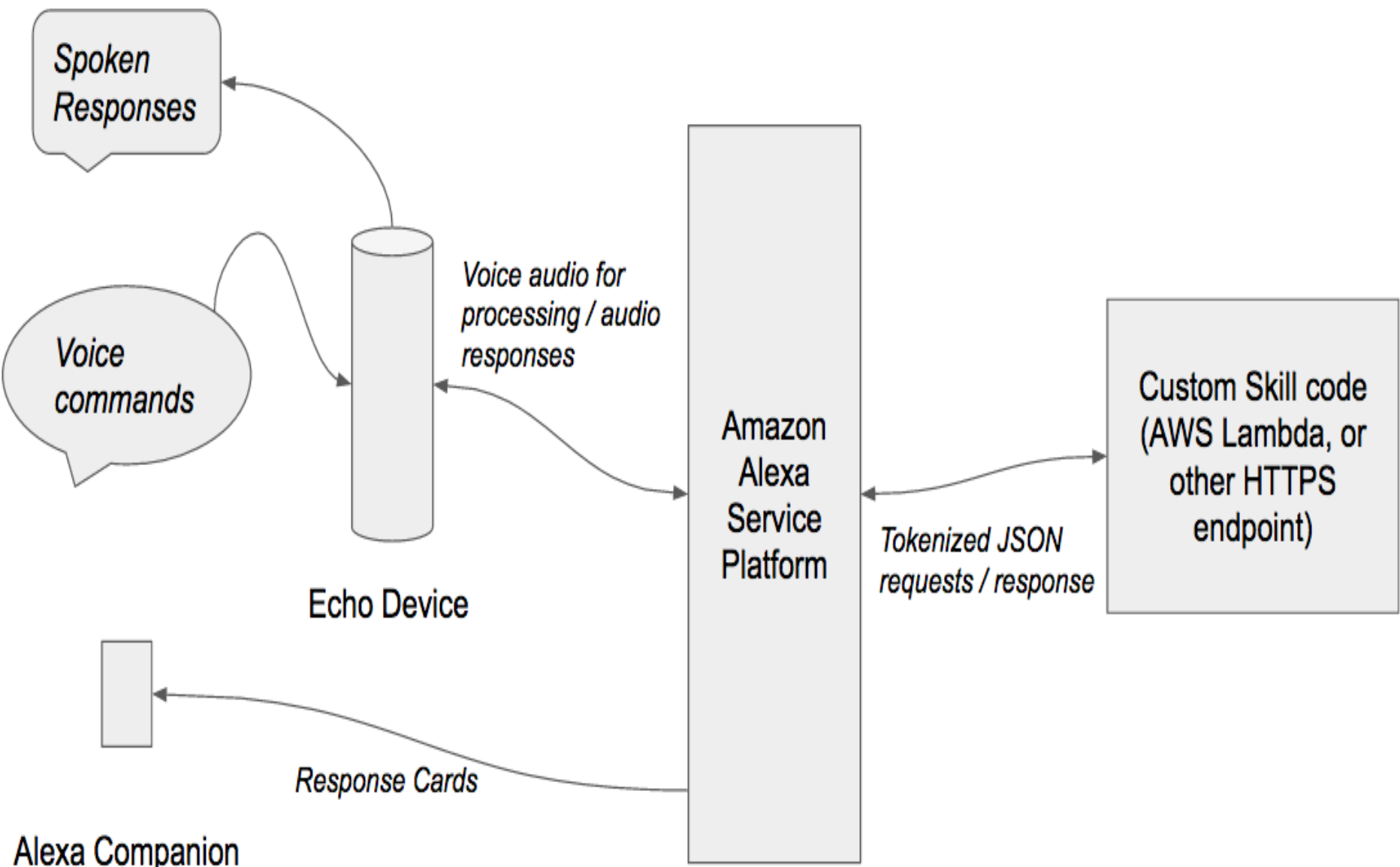
Additional Ingredients





# Impacts on City Halls

- Fewer human staff
- Reduction/elimination of many traditional jobs
- Creation of new job categories based on technology
- Difficult union negotiations ahead on restructuring
- Robots will be used more inside and outside city hall
- Bots (Internet robots) will be commonly used as Virtual Assistants



- Handles speech recognition
- Handles text to speech
- Maps voice commands to JSON intents



The image features a white background with vibrant, multi-colored paint splatters and splashes along the left and right edges. The colors include blue, yellow, green, orange, and magenta. In the center, the text "M 2 M" is displayed in a bold, black, italicized sans-serif font.

*M 2 M*









crombie  
lockwood Tower

191

CUE

THE MAN'S STORE

CUE

SUIT SALE!  
SUIT SALE!  
SUIT SALE!

fresh handmade cosmetics  
OPSM

AKA  
The Man's Store  
Never  
A

0500  
ITRAFF

0500  
ITRAFF

0500  
ITRAFF

0500  
ITRAFF













*...and speaking of money...*

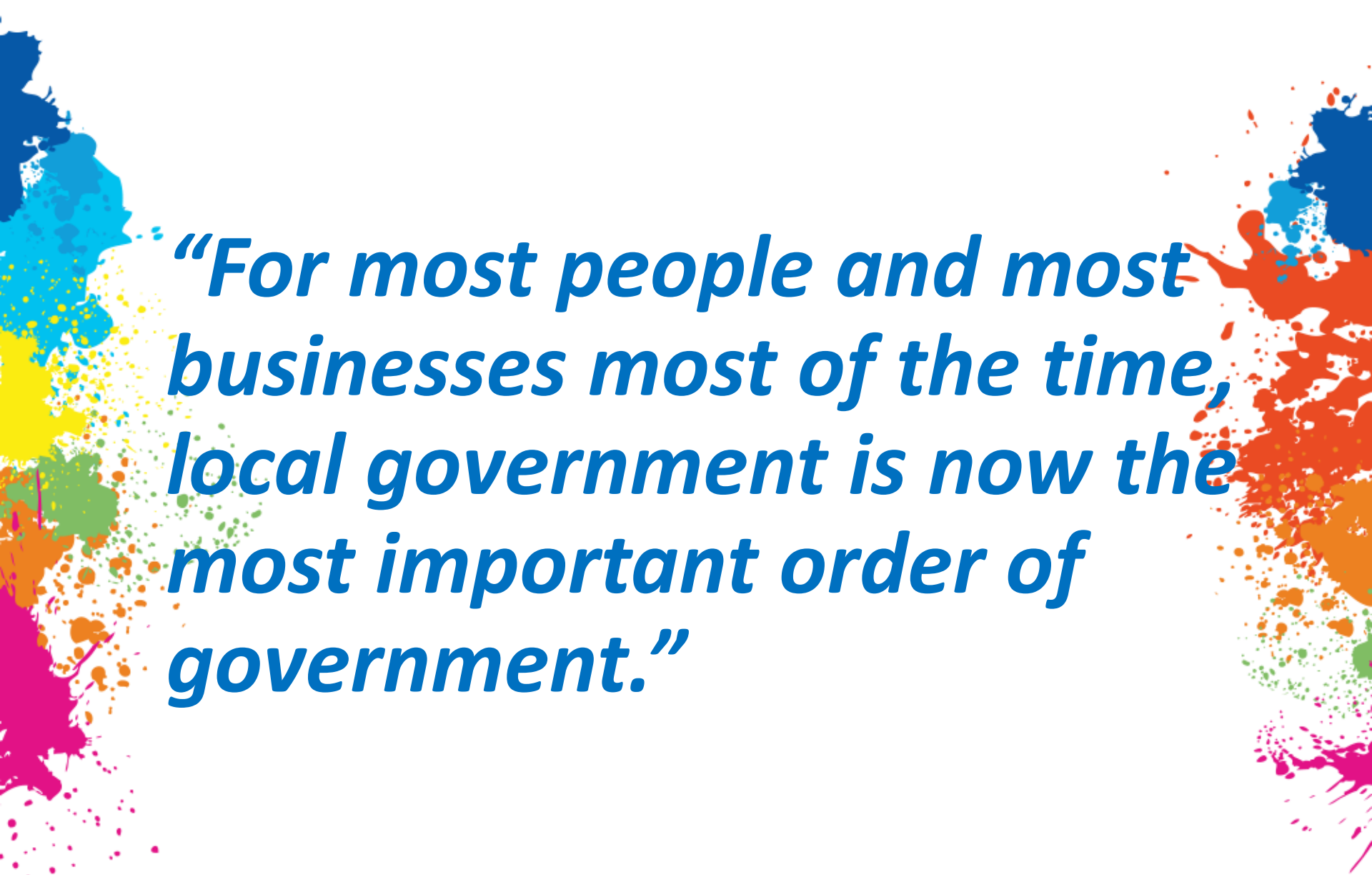
**How are you going to finance  
all of the new demands on  
your town or city for  
advanced technologies?**

***EEEEEEKKKK!!!***

**We've been  
hacked!**

***The Status quo for  
Governments is dead***





***“For most people and most businesses most of the time, local government is now the most important order of government.”***

# New Infrastructure Definition:

1. **Horizontal:** (pipes, pavement...)
2. **Technology:** (electricity grid, fibre optic...)
3. **Creative:** (what makes a city liveable)
4. **MUSH:** (Munis, Univ/Coll, Sch, Health)
5. **FPT:** (Fed, Prov, Terr investments that impact municipal prosperity)



$1/3$ ,  $1/3$ ,  $1/3$ ??







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# Municipal Asset Corporation:

- How to unlock the value of municipal assets
- Greater use of PPPs and private sector services
- Re-invest in needed infrastructure
- Re-think asset management
- New revenue tools, opportunities—and responsibilities!

# New Municipal Revenues:

- On-Line Sales Tax
- Share of Provincial Sales Tax
- Share of Federal Income Tax
- More Gas Tax funding
- Greater share of Marijuana Tax
- Share of Carbon Tax...
- More local authority for taxing powers—and more local accountability for that authority.













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