Coppell Smart City Board

Brief Review of 2020

January 4, 2021

Smart City Definition

A Smart City is built on information and communication technologies (ICT) that power operationally efficient, sustainable, and, resourceful solutions. Smart Cities leverage data to assess challenges, forecast needs and drive decision-making. A Smart City uses these assets to learn from itself and it's surroundings, ultimately driving a culture of innovation, enhancing city branding and empowering connected communities to collaboratively meet quality of life targets.
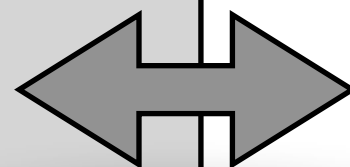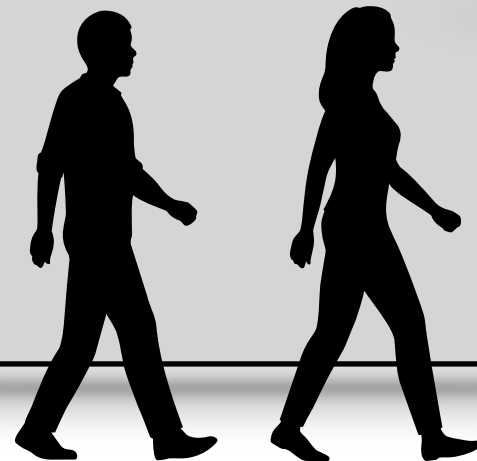
Our Recommendations:

- Extend the City's **Technology Strategy** to account for Smart City challenges

- Select and deploy a **Citizen Engagement Platform** that supports Open Data initiatives, Public Education and Collaborative Problem Solving

- Establish an **Innovation Hub** that is driven by Design, Research and Prototyping intended to test and reduce the risk of Smart City solution adoption

- Move from stand alone Project Management to **Portfolio Management** so that the City is better positioned to manage the complexity of deploying Smart City solutions over multiple years

- As efforts to define data for collection, and as efforts to capture, store and manage this data matures, consider creating a Coppell **Data Privacy Commission**
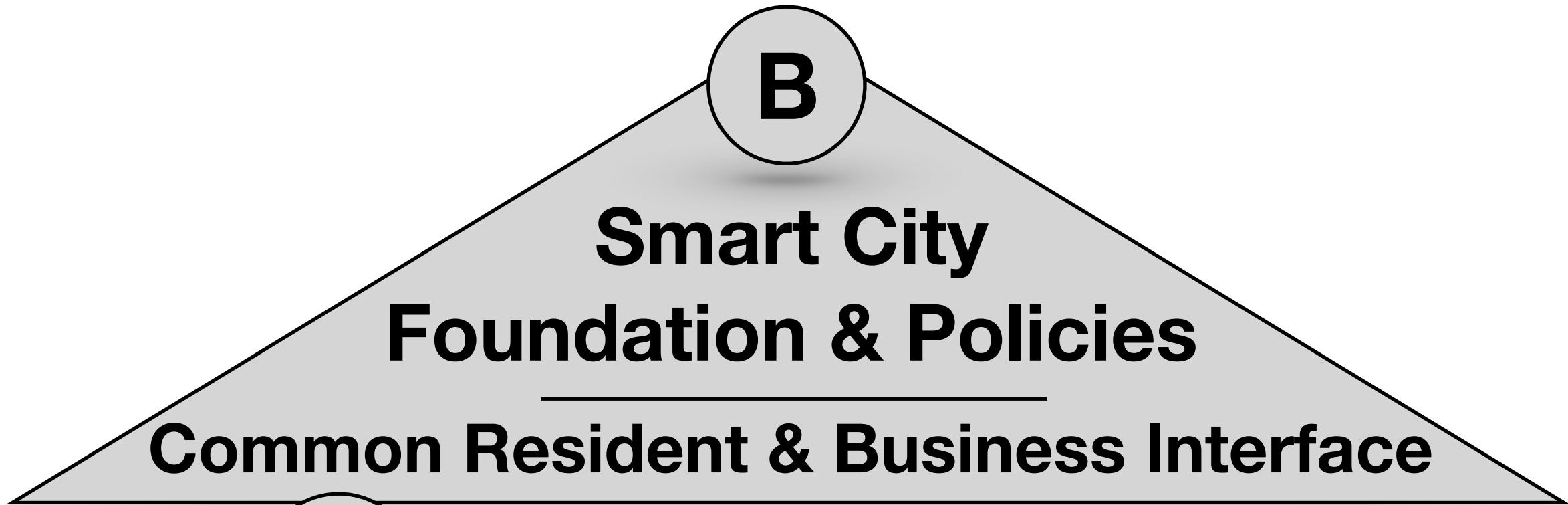
A

Community Engagement
Platform

- Open Data Access and Reviews
- Common Objective Setting w/Targets
- Collaborative Development w/ Citizens

B

Smart City
Foundation & Policies

Common Resident & Business Interface

D **Smart Portfolios**

1	2	3	4	5	6
Resource Management & Digital Twin Development (1)	Climate Action, Adaptation & Renewable Energy	Congestion, TaaS, Autonomous Vehicles	Robotic Workforce & Automated City Services (1)	Connected Homes & Businesses (Smart Buildings)	Reverse Globalization (Local, Regional Supply Chains)

Common Data Foundation

Analytical Methods & Tools

Endpoint Management & Data Collection

Data Schema: Digital Twin

Data Harmonization Tool(s)

Application Programming Interfaces

Data Privacy Scrubber

Privacy Policies & Controls
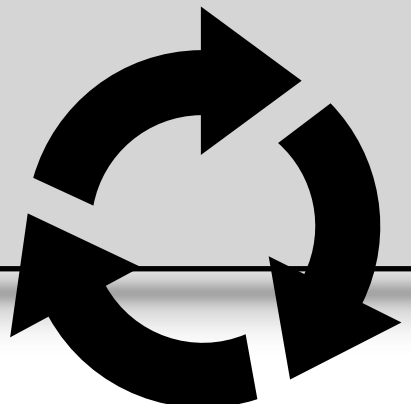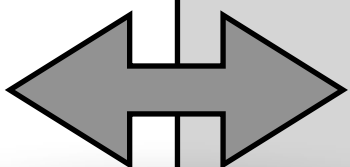
City Scale Infrastructure Security

C

Specialized Innovation Hub

- Design/Solution Co-creation
- Research Function
- Ecosystem:
  - Subject Matter Experts
  - Prototyping
  - Collaborative Relationships

– – – – – **Our Smart City Framework** – – – – –

Next: Stay Focused on 2040

- Complete full articulation of each **2040 Smart Portfolio** and safely get public input

- Get feedback from City Leaders: executing on **Foundational Recommendations**

- Be prepared to provide input for the **2022 Budget** Development cycle

- **Update City Council** with fully-articulated Smart Portfolios within the Smart City Framework

BOLD VISION ★ 2040