Coppell Smart City Board

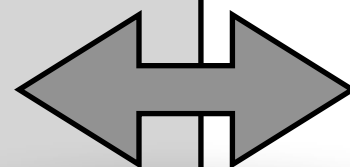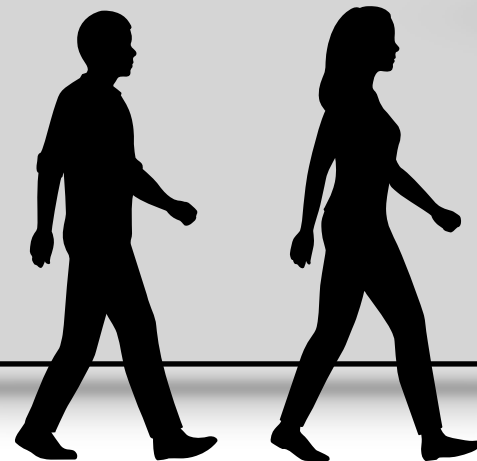**2021 Process**

December 7, 2020

Stay Focused on 2040
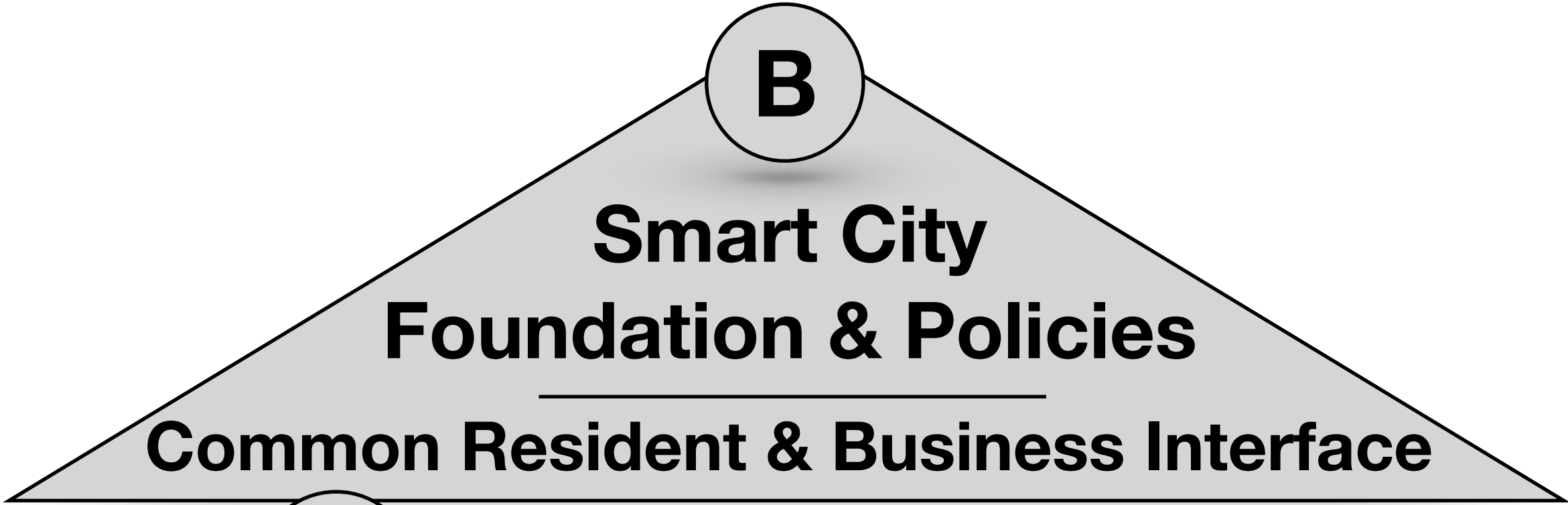
Kickoff on January 4

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

C Specialized Innovation Hub

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

D Smart Portfolios

1 Resource Management & Digital Twin Development (1)

2 Climate Action, Adaptation & Renewable Energy

3 Congestion, TaaS, Autonomous Vehicles

4 Robotic Workforce & Automated City Services (1)

5 Connected Homes & Businesses (Smart Buildings)

6 Reverse Globalization (Local, Regional Supply Chains)

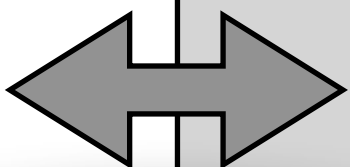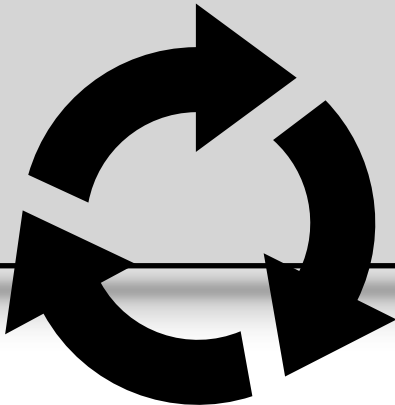Common Data Foundation

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

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

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 Commision**

Our 2021 Objectives:

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

- Complete additional articulation for each **2040 Smart Portfolio** and safely get public input by the end of July 2021

- Be prepared to provide input for the **2022 Budget** Development cycle - presumably in July 2021

- **Update City Council** with fully-articulated Smart Portfolios in October 2021

BOLD VISION ★ 2040

Process
Our Approach in 2021

2021 Process

- Each Board Member volunteers as the **"Primary" who leads the exploration of a Portfolio** with a "Secondary" Assistant Member per Smart Portfolio

- Coordination can occur outside the Board Meeting but **not deliberation**

- For each Portfolio a "Primary" Board Member will create **3 Slides**:

  - **Data** that informs the Board and inspires Scenarios *prior to Board exploration*
  - A **Statement of Transformation(s)** formulated *after Portfolio exploration*
  - **"Over the next, By and Starting In" Bullets** *after Board exploration of Portfolio*

- A Draft Slide on Data is all that would be needed to begin exploration
  - Board Members might know a **SME** (subject matter expert) willing to present data to the Board or even create the data slides - *this approach is encouraged*

To Be Inserted Into 2021 Process

- **Speakers**. While preparing for the Smart Climate Action Portfolio:
  - The research yielded **local experts** we may want to invite to speak
  - Inserting a **Speaker Series** into the process would likely make sense
  - Nancy has a contact who setup Denver's Smart City Lab who we may want to invite to speak: can explore **Foundational Assets**, as well

- **New Smart City Developments**. Addition from last meeting:
  - Possible standing agenda item: **"What are New Smart City developments to consider for Coppell?"** then add for further exploration and/or to hear from Experts

- Update on Four (4) **Foundational Recommendations**:
  - When City Leaders are ready in 2021

Tentative 2021 Schedule

- **January 4**
  - Welcome New Board Members
  - Explore Data relevant to Smart Portfolio 1: Resource Management
  - Explore Data relevant to Smart Portfolio 2: Climate Action

- **February 1**
  - Explore Data, Smart Portfolio 3: Congestion, TaaS, Autonomous Vehicles
  - Explore Data, Smart Portfolio 4: Robotic Workforce, Automated City Services
  - Review Transformation and "Over, Starting In & By" for 1, 2

- **March 1**
  - Explore Data, Smart Portfolio 5: Connected Homes and Businesses
  - Explore Data, Smart Portfolio 6: De-Globalization & Smart Manufacturing
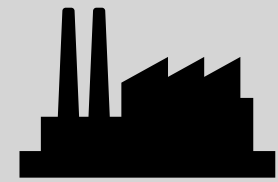 - Review Transformation and "Over, Starting In & By" for 1, 2, 3, 4

Tentative Schedule Continued

- **April 5**
  - Draft Reviews: Transformation, "Over, Starting In & By" for all Smart Portfolios
  - Decide areas for additional work across Smart Portfolios

- **May 3 and June 7**
  - Address Areas for Additional Work
  - Tentative: get feedback from Smart City expertise on Smart Portfolios

- **July 12**
  - Consider Input Gathered from Public Reviews and/or Schedule in July
  - Hopefully: Celebrate easing of the COVID Pandemic

- **August - September**: Open for Additional Work, Review of City Council Update
- **October**: City Council Update
- **November-December**: Prepare for Transition to 2022 New Smart City Board

Volunteers So Far

1

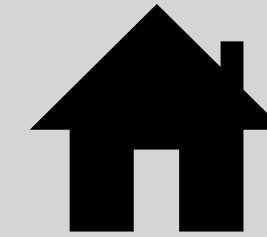**Resource Management & Digital Twin (OS) Development (1)**

3

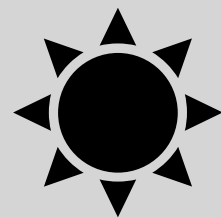**Congestion, TaaS, Autonomous Vehicles**

5

Connected Homes & Businesses (Smart Buildings)
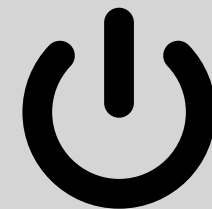

Secondary: Nancy & Aaron

2

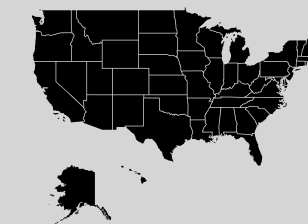**Climate Action, Adaptation & Renewable Energy**

Primary: Aaron & Ramesh

4

Robotic Workforce & Automated City Services (1)

6

Reverse Globalization (Local, Regional Supply Chains)

Primary: Nancy