

Smart City Advisement

City of Coppell
Smart City Board

DRAFT

From Workshop conducted by Jerod Anderson,
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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 its surroundings, ultimately driving a culture of innovation, enhancing city branding and empowering connected communities to collaboratively meet quality of life targets.

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Smart City Board Mission

To operate as an Advisory Board recommending to the City of Coppell Mayor and City Council actions that should be undertaken to create the Smart City Future articulated in the Coppell 2040 Vision. The focus of the Board is to act as Futurists looking ahead to help steer Coppell's Smart City aspirations via continuous, ongoing advisement.

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Smart City Model

1

**Collaborative
Community
Engagement**

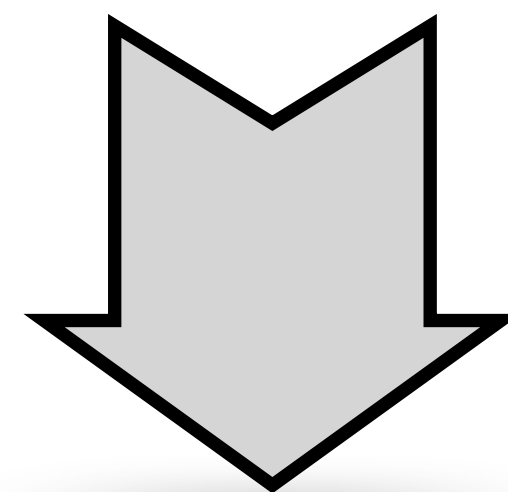
2

**Vision-driven
Policies and Processes**
(Coordinated Technology Acquisition)

3

**Specialized
Innovation
Ecosystem**

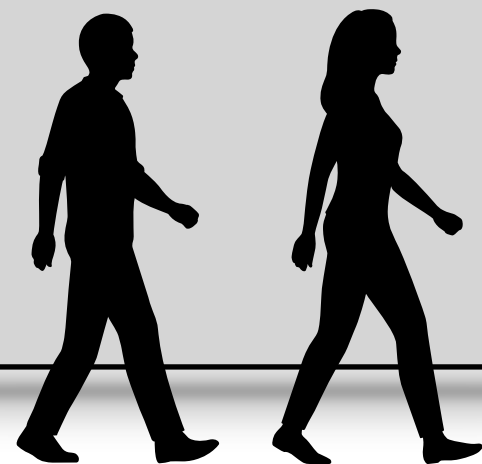
Cities must develop these groupings of capabilities in the quest to define, build, and, leverage solutions, and, ultimately, realize the benefits of the Smart City movement:



1

Community Engagement Platform

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



2

Smart City Policies & Processes

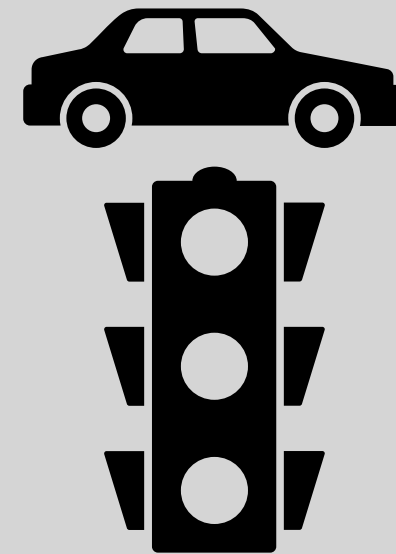
Citizen Interface / Standards Development

Technology Acquisition Portfolios

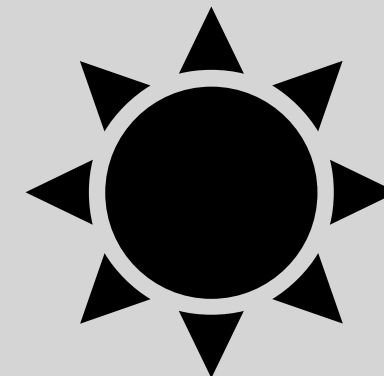
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2



3



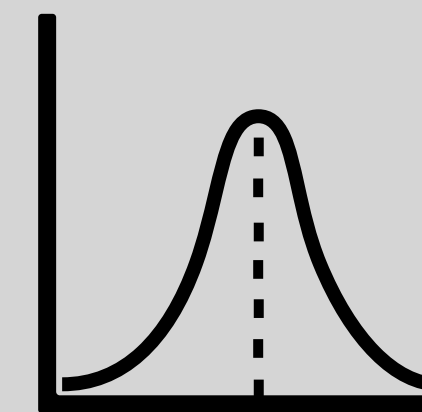
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Common Data Foundation

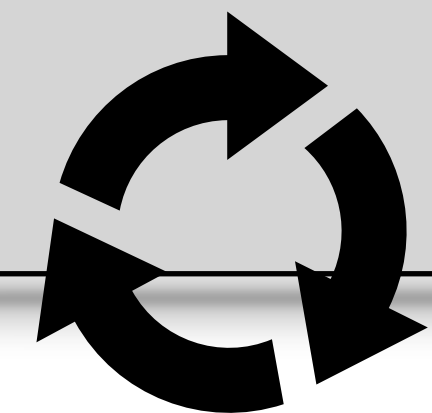
Analytical Methods & Tools



3

Specialized Innovation Ecosystem

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



Endpoint
Management &
Data Collection

Data
Schema

Data
Harmonization
Tool(s)

Application
Programming
Interfaces

Data Privacy
Scrubber

Privacy
Policies &
Controls

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Developing Recommendations

1

**Collaborative
Community
Engagement**

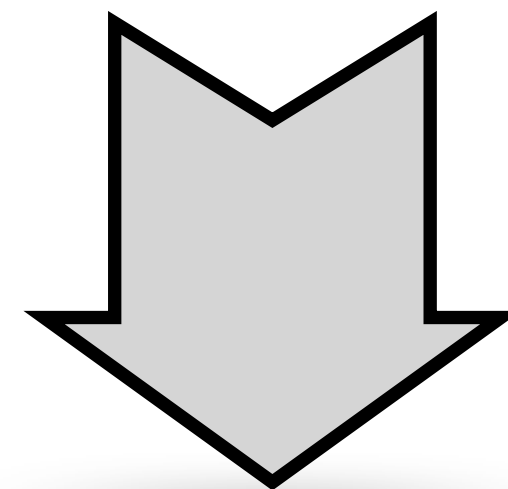
2

**Vision-driven
Policies and Processes**
(Coordinated Technology Acquisition)

3

**Specialized
Innovation
Ecosystem**

Smart City Board: please be prepared to state in the **July 6, 2020** Board Meeting the specific actions you recommend the City of Coppell take to develop each of the areas of the Smart City Model we have defined.



After the July 6 Meeting:

We will package action recommendations from the July 6 meeting into a DRAFT Roadmap to be reviewed at the August 3, 2020 meeting. In that meeting, our intention will be to sequence actions defined by the Board and assign them to calendar year QTRs.

Our Goal: a presentable Smart City Model, Actions and Roadmap ready for review in September 2020.

DRAFT Actions to Be Refined by Board Input

Manage City Employee Impacts (What organization and processes drives asset development?)

- Develop Recommendations on: Processes, Positions, Culture, and, where pertinent, Affiliations.

Define Critical Technology Initiatives (What will Smart City Technology plug into?)

- Develop Citizen Interface Standards (Standards that Drive “Portal” Creation over time).
- Issue Smart City RFI (Request for Information) - Develop Process, Research Partner, and, Recipient List: Seek to understand Foundational Technology (Data Foundation, Analytical Methods & Tools, Operational Technology & Related Infrastructure).
- Develop Smart City Procurement Criteria.
- Put in place Portfolio Management approach and processes.

Define Investment Portfolios (What Smart City solutions should get plugged in?)

- **1** Smart Resource Management - Advisory on Problems and Priorities.
- **2** Smart Transportation Solutions - Advisory on Problems and Priorities.
- **3** Climate Action Solutions.
- **N** Advisory from the Smart City Board on Portfolios Missing from the FutureIQ Study.
- Recommendations and Visioning for “Collaborative Citizen Engagement” - What drives connected communities and inclusiveness?
- Recommendations for Establishing an Innovation Ecosystem (The Hub Concept).

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DRAFT Actions to Be Refined by Board Input

Refine Smart City Engagement (How will Citizen Engagement integrate into the Smart City Model and When?)

- Develop the Vision and Goals for Smart City Engagement.
- Define Timing given Vision and Goals.
- Evaluate the importance of a Platform for Engagement, evaluate options.

Refine the Coppel 2040 Innovation Hub Concept (How will a “Specialized Innovation Ecosystem” integrate into the Smart City Model and When?)

- Develop the Vision and Goals for the Innovation Hub Concept.
- Define Timing given Vision and Goals.
- Evaluate the importance of a Platform for Engagement, evaluate options.

Promote, Educate and Communicate (Why is a Smart City future important to residents?)

- Develop materials and events that educate residents on the reasoning, importance and potential benefits of pursuing a Smart City future.

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Smart City Prioritization Matrix

(Benefit Weighting by Group)

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Groups Services	City Employees	Residents	Businesses	Regional Community (*)	TOTALS

(*) The Regional Community is defined as the cities who have joined the North Texas Innovation Alliance who's mission is to create the most connected, smart, and resilient region in the USA.