Update on Smart City Initiatives
City Council “B” Session
Presented by Jose De La Cruz, Chief Innovation Officer
April 5, 2017
Presentation Overview

☑ Background
☑ Status of Smart City Projects
☑ Smart City Readiness Workshop
☑ National Conversations
A Smart City leverages data and technology to improve the quality of life for residents
Why Smart Cities

- Improve quality of life
- Manage population growth
- Access to information
- Improve citizen safety
- More responsive services
Components of a Smart City

- Collect information
- Communicate
- Analyze
Background

- June 2016: Smart Cities Strategy
  - Transportation, Digital Connected Living, and Sustainability
- September 2016: City Council approves smart city projects with FY 2017 Budget
- September to December 2016:
  - City participated in Smart Cities Week and Texas Mobility Summit
  - City begins partnerships and project implementation
Improving pedestrian safety & reducing congestion

San Antonio Traveler Real-Time Information Portal (SATRIP)
- Increased Pedestrian Safety
- Valuable data for traffic control
- Notifications at low-water crossing

Locations: Military Dr. and Blanco Rd.

Status: August 2017, traffic control; November 2017, pedestrian safety; April 2018, high water detection is integrated
Enhancing Fire/EMS Rescue Operations

Drones
• More efficient rescue operations
• Increased safety for Firefighters

Status: Operational in August 2017
Increasing Safety in Neighborhoods

LED Street Lights in CD5
- Energy-efficient and cost-effective
- Low replacement rate

Status: 1,000 more to install through September 2017; contributes to a total of 53,000 LED lights across the City
Enhancing Code Enforcement

Illegal Dumping Cameras
- Deters illegal dumping
- Cameras can be moved to other locations

Status: 15 trail cameras and 10 solar-powered, blue tooth cameras to use at 10 chronic dumping locations to be installed in early summer
Bridging the Digital Divide

Wi-Fi in the Parks & Solar Benches
- Free Wi-Fi
- Addresses the digital divide
- Sensors gather usage data

Status:
- Wi-Fi in 10 parks by summer 2017
- Up to 20 benches go live July
Wi-Fi in the Parks

San Pedro Springs Park (D1)
Pittman-Sullivan Park (D2)
Harlandale Park (D3)
Pearsall Park (D4)
Palm Heights Park (D5)
Cuellar Park (D6)
Woodlawn Lake Park (D7)
Friedrich Park (D8)
Walker Ranch Park (D9)
Lady Bird Johnson Park (D10)
Making Customer Service More Convenient

311 and Parks Apps
- User-friendly
- Social media and gamification elements
- More service request categories
- Park navigation tools and information on park events

Status:
- 311 app live July 2017
- Parks app live November 2017
Putting Local at your Fingertips

Digital Community Kiosks
- User-friendly
- Hyper-local (promotes nearby services, events, and businesses)
- Wi-Fi hotspot
- Collects pedestrian data

Status: 25 kiosks downtown, at airport, and at missions installed in late 2017
Potranco Library

- Opened November 2016
- Co-located with YMCA
- Self-service kiosk for laptops
- Received award from Alliance for Innovation for Outstanding Achievement in Local Government
Automated Tracking of Senior Service Activities

- Implemented at 2 centers, full implementation by summer 2017
- Eliminates paper reporting
- Increases efficiency
- Improves reporting
Online Parks Reservation System

- Facility, event and class reservations and online payment
- Go live April 3, 2017
OpenGov - Budget Transparency

- Provides budget at line item level
- Includes five years of data
Readiness Workshop Highlights

• Over 100 attendees
• Over 30 organizations from:
  ✓ Government
  ✓ Universities
  ✓ Non-Profits
  ✓ Tech Community
Readiness Workshop
Main Takeaways

1. Collaboration & Partnerships among organizations
2. Data sharing & communication
3. More convenient access to public services
Envision America
of 10 cities
ATRIP Project

Working with UTSA to select three
projects for partnership

Partnered with
Texas Department
named a proving

America

MetroLab
Partnered with VIA, SWRI, Alamo Area MPO & Texas Department of Transportation to be named a proving ground for automated vehicles.
COSA Building Networks

Smart Texas Revolution
April 20-21, 2017
“Creating a Smart City Structure for your City”

Smart Cities Connect
June 26-28, 2017
“City Spotlight”
Summary

- City of San Antonio has begun its path as a Smart City
- Continue to improve service delivery by implementing Smart City technology
- Utilize results from Readiness Workshop to continue collaborations and partnerships with other agencies
- Participate in the national/regional conversation to promote San Antonio as a Smart City
- Will provide Smart City quarterly updates to Transportation, Technology, and Utilities Committee