

Today's Agenda

- (d) 1 – Smart City Roadmap Update
- (d) 2 – City Website Update
- (d) 3 – Spatial Data Integration Update
- (d) 4 – FirstNet Migration Update

Smart Cities and Service Improvements Committee
February 6, 2020

Dolan Beckel, Director, Civic Innovation
Kip Harkness, Deputy City Manager
Rajani Nair, Smart City Manager

(d) 1 – Smart City Roadmap Update

Smart Cities and Service Improvements Committee
February 6, 2020

Rajani Nair, Smart City Manager, Civic Innovation

PRIORITIZED SMART CITY ROADMAP 2.0

MARCH 2019

THEMES ALPHABETIZED

User-Friendly Government	Integrated Permitting System	Privacy Strategy	City Website	My San Jose	Digital Services Strategy	Data Strategy	Start Up in Residence (STiR) program	Master Address Database Integration		
Smart Mobility	Autonomous Vehicle – First and Last Mile	Transportation Events Tracking (E-tracker)								
Smart Infrastructure	Small Cell permitting and deployment	Small Cell Permitting and Process Improvements	Facebook Terragraph Wi-Fi	IoT Reference Architecture						
Safe City	Safe City Strategy	FirstNet Evaluation and Migration	Silicon Valley Regional Communication System	Fire Station Alerting System	Fire Department Business Intelligence					
IT Roadmap	Cybersecurity Work Plan	IT Infrastructure Modernization	City Open Data Environment	Business Tax	Products Management-Projects Execution	Business Tax Amnesty Solution	Advanced Cybersecurity Products and Service RFP	Cybersecurity Policy	Community Engagement through Data	IT Staff Skill-Up and Engagement
Equity	Digital Inclusion Program Fund	Community Wi-Fi Strategy	Rent Registry (Apartment Rent Ordinance)	Access Eastside	Joint/School Issued Library Cards	Data Migration Tool				
Climate Smart	EV Strategy	Greenhouse Gas Emissions Report and Dashboard	Residential Housing Natural Gas Elimination Roadmap							

LEGEND – PROJECT STATUS

- ON TRACK
- ISSUES WITH SCHEDULE, BUDGET OR SCOPE
- AT RISK, CORRECTIVE ACTIONS NEEDED

HIGHEST RELATIVE PRIORITY OF PROJECTS FROM HIGH TO LOW LOWEST

PRIORITIZED SMART CITY ROADMAP 2.0 DECEMBER 2019

User-Friendly Government	Integrated Permitting/ Development Transformation	Privacy Strategy	City Website ★	My San Jose	Digital Services Strategy	Data Strategy	Start Up in Residence (STIR) program	Spatial Data Integration (SDI) ★	
Smart Mobility	Autonomous Vehicle – First and Last Mile	Transportation Events Tracking (E-tracker)	Verizon Traffic Data Services Pilot	Access and Mobility Plan	Micro-mobility sidewalk and data pilots				
Smart Infrastructure	Small Cell Permitting Deployment and Process Improvements	LED Smart Controllers	IoT Reference Architecture	Irrigation Sensor Connectivity - CalSense ★	Facebook Terragraph Wi-Fi	AT&T Community Wi-Fi at Community Centers/Parks			
Safe City	Safe City Strategy	FirstNet Evaluation and Migration	Silicon Valley Regional Communication System	Text to 911 (sub project to Next Gen 911)	Fire Station Alerting System	Fire Department Business Intelligence ★	EOC Damage Assessment GIS tools and capabilities	Verizon Intersection Safety Analytics	Smart Digital Infrastructure Nodes – AT&T pilot
IT Roadmap	Cybersecurity Work Plan	IT Infrastructure Modernization	City Open Data Environment	Business Tax System	Products Management-Projects Execution ★	Business Tax Amnesty Solution ★	Advanced Cybersecurity Products and Service RFP	IT Staff Skill-Up and Engagement ★	
Equity	Digital Inclusion Program Fund	Community Wi-Fi Strategy	Rent Registry (Apartment Rent Ordinance)	Access Eastside	Joint/School Issued Library Cards ★	DAHLIA Affordable Housing Portal	AT&T Tech for Good Pilot	Verizon STEM	
Climate Smart	Electric Mobility Strategy & Roadmap	Greenhouse Climate Smart Engagement	Gas Emissions Report and Dashboard ★	Climate Smart Dashboard ★	Residential Housing Natural Gas Elimination Roadmap				

★ COMPLETED PROJECTS

LEGEND – PROJECT STATUS

-  ON TRACK
-  AT RISK, CORRECTIVE ACTIONS NEEDED
-  ISSUES WITH SCHEDULE, BUDGET OR SCOPE
-  ON HOLD

HIGHEST

RELATIVE PRIORITY OF PROJECTS FROM HIGH TO LOW

LOWEST

Victory List

Digital
Inclusion/Broad
band Strategy

Broadband
Telecommunication
Agreements

Fire Alert
System

Police
Dashboard

Community
Engagement
through Data

Central
Emergency
Vehicle
Pre-emption

Cybersecurity
Policy

AV pilot
projects

Radar Sensor
Module

Vehicle Fleet
Telematics

My San Jose

IoT Strategy

City Website

HR Talent
Recruitment

IT Roadmap
Brilliant at
the Basics

Joint/School
Issued Library
Cards

Climate
Smart
Dashboard

Gas Emissions
Report and
Dashboard

Spatial Data
Integration
(SDI)

Irrigation
Sensor
Connectivity -
CalSense

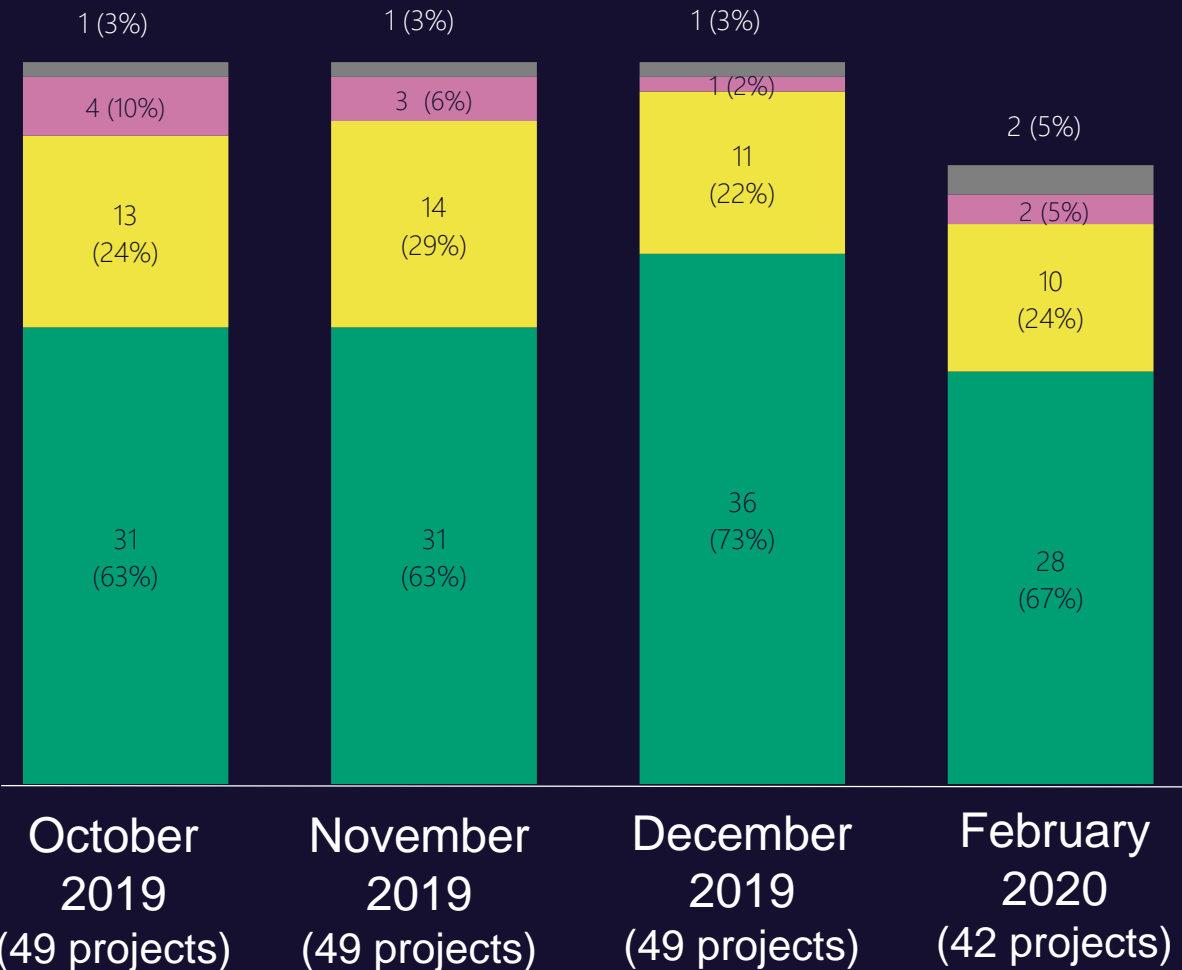
Fire
Department
Business
Intelligence

Products
Management-
Projects
Execution

Business Tax
Amnesty
Solution

IT Staff Skill-
Up and
Engagement

SMART CITY ROADMAP 2.0 PERFORMANCE FEBRUARY 2020



MONTHLY SUMMARY OF STATUS CHANGES

- Privacy Strategy – Yellow to Green
- Transportation Events Tracking (E-tracker) – Yellow to Green
- IoT Reference Architecture – Green to Gray
- FirstNet Deployment – Green to Red
- Silicon Valley Regional Communication System – Yellow to Green
- Community Wi-Fi Strategy – Green to Yellow
- DAHLIA Affordable Housing Portal – Green to Yellow

LEGEND – PROJECT STATUS

- ON TRACK
- ISSUES WITH SCHEDULE, BUDGET OR SCOPE
- AT RISK, CORRECTIVE ACTIONS NEEDED
- ON HOLD

SMART CITY ROADMAP 2.0 – RED STATUS SUMMARY

Project Name	Corrective Course of Action - next milestone to date	Duration of Red Status (since March 2019)
My San Jose	Pursing change orders (includes language translation) for 1.x for council approval by March 2020 and confirming scope and approach for My San Jose 2.0	12 months
FirstNet Deployment	Schedule delay due to extended pilot. Currently seeking full time product owner	3 months

SMALL WONDERS/UNLEASH YOUR GEEK – FEBRUARY 2020

Theme	Operational Efficiency	Community Benefit/Unleash Your Geek
User-Friendly Government		Multilingual Tools for Emergency Management
		Real-Time Interpretation Tools for Limited and non-English Speaking Residents
Smart Mobility	Transportation Data Platform	
	Traffic Signal Optimization	
Smart Infrastructure		
Safe City		Unmanned Aerial System (UAS) for Emergency Response
Equity	Housing Voucher Tenant Discrimination Detection and Reporting	
Climate Smart		Multilingual Technology for Recycling Behavior Change

LEGEND – PROJECT STATUS



ON TRACK



ISSUES WITH SCHEDULE,
BUDGET OR SCOPE



AT RISK, CORRECTIVE
ACTIONS NEEDED



INITIATING SMALL
WONDERS CHALLENGE

SMART CITY ROADMAP 2.0 – GREEN PROJECT SPOTLIGHT

Climate Smart Task Force

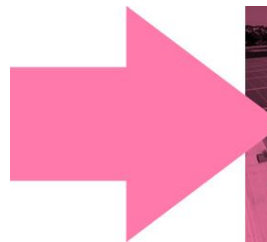
CLIMATE SMART SAN JOSE

A People-Centered Plan for a
Low-Carbon City



AMERICAN CITIES CLIMATE CHALLENGE

HELPING AMERICA'S LEADING
CLIMATE CITIES **GO THE DISTANCE**



**The Net Zero Carbon
Buildings Declaration**

**C40
CITIES**

Smart 50 Award – Smart Cities Connect



SMART CITIES
CONNECT
CONFERENCE & EXPO

Smart 50 Awards, in partnership with Smart Cities Connect, Smart Cities Connect Foundation, and US Ignite, annually recognize global smart cities projects, honoring the most innovative and influential work. This year, primary categories included: community engagement, digital transformation, smart mobility, urban infrastructure, and urban operations.

Digital Transformation

San José Business Registration, Tax Calculation, and Amnesty

City of San José, California - The City of San José is making tax penalty forgiveness and accurate tax payments easier for business owners, using new online software that streamlines the payment process and makes it more accessible.

Urban Operations

Geo-Aware Traffic Preemption Saving Lives and Protecting First Responders

San Jose, CA - San José transformed traditional emergency vehicle preemption through a multi-domain solution— expanding Central Traffic Management, integrating real-time CAD, and connecting vehicle presence. The results: response times fell by 24 seconds per trip benefiting life and safety; reduced accidents for first responders; and over \$1.5 million in higher reimbursements.¹¹



IoT LEADER OF THE YEAR AWARD: ENTERPRISE

The Internet of Things World 2020 recognizes individual executives and teams, whose outstanding leadership has resulted in the implementation and success of IoT in their businesses and beyond.

DOLAN BECKEL

Director, Civic Innovation, City of San José

Dolan Beckel is responsible for solving San Jose's most wicked civic challenges at scale with innovative technology and process strategies and solutions. This includes leading San Jose's efforts in digital transformation, online digital services, Internet of Things, 5G and broadband deployments, digital inclusion, city-wide data analytics, and San Jose's Smart City Roadmap.



VOTE FOR SAN JOSE
bit.ly/VoteSanJose

THANK YOU!



Michelle Thong
Digital Services Lead

For building City services that are easy to find, easy to use, and accessible to everyone

- Digital Services Academy
- My San José
- Recycling + Garbage Services
- Language Access
- Chatbot
- Usability Testing



Erica Garaffo
Process Transformation Lead

For building City processes that are clear, consistent, and effective

- Development Services Transformation 2020
- Integrated Permitting Systems (AMANDA 7)
- Champion OKRs (Objectives and Key Results)
- Talent and Recruitment
- Data Champions Group
- City Data Inventory

(d) 1 – Smart City Roadmap Update

Smart Cities and Service Improvements Committee
February 6, 2020

Rajani Nair, Smart City Manager, Civic Innovation