SmartCitiesCouncil

Orange County – Smart & Healthy Buildings

April 29, 2021

Smart
Cities
Council

2021 Smart Cities
Readiness Challenge

WINNER

**Orange County, FL
USA**

Today's Agenda

Topic	Speaker	Position / Organization
Welcome & Intro to Smart Cities Council	Philip Bane	Managing Director of Smart Cities Council
Readiness Program Overview		
Orange County Convention Center Upcoming Projects and Requirements	Jeff Benavides	Chief Sustainability & Resilience Officer, Orange County, Florida
Schedule	Philip Bane	Managing Director of Smart Cities Council
Innovative Procurement Process		
Activator Demo		
Questions		

Smart Cities Council Readiness Program

- **Our goal -** to invite cities to provide information about their needs – from which the Council will work with these cities to accelerate their projects.

- **By accelerating project implementation -** the city, its residents, financiers and solution providers all win.

- **Each calendar quarter 1-2 cities -** will be chosen to lead a Readiness Cohort focusing on accelerating a project. Within each cohort, there will be **as many as 50 additional cities** seeking similar information.

- All cities will gain access to the **Smart Cities Activator** planning platform and be able to use the Readiness Cohort Leader's planning template for their own projects.

Readiness Challenge Participation 2016-2020

>400 cities have participated providing data on > 600 projects

Previous Cohort Leaders
- Philadelphia, PA
- **Orlando, FL**
- Miami, FL
- Austin, TX
- Indianapolis, IN
- Birmingham, AL
- State of Virginia
- Cary, NC
- Las Vegas, NV
- Puerto Rico
- San Diego, CA
- Montgomery, AL
- Racine, WI
- Baltimore, MD
- Edmonton, Alberta
- Brisbane, Australia
- Nashville, TN
- **Orange County, Fl**

"Our goal is to enrich the lives of our citizens. We hope that by strengthening our connection to technology and data that we can make this happen."
—**Town of Cary,** NC, Mayor Harold Weinbrecht

"We're deeply committed to strengthening innovation and resilience.
This work alongside the Smart Cities Council will help us foster openness and the community collaboration needed to achieve smarter solutions."
— Mike Serasti, Chief Information Officer, **Miami**

"Winning the Smart Cities Council Challenge Grant puts us that much closer to creating a comprehensive and inclusive strategy to use technology in a way that benefits communities that are usually left behind."
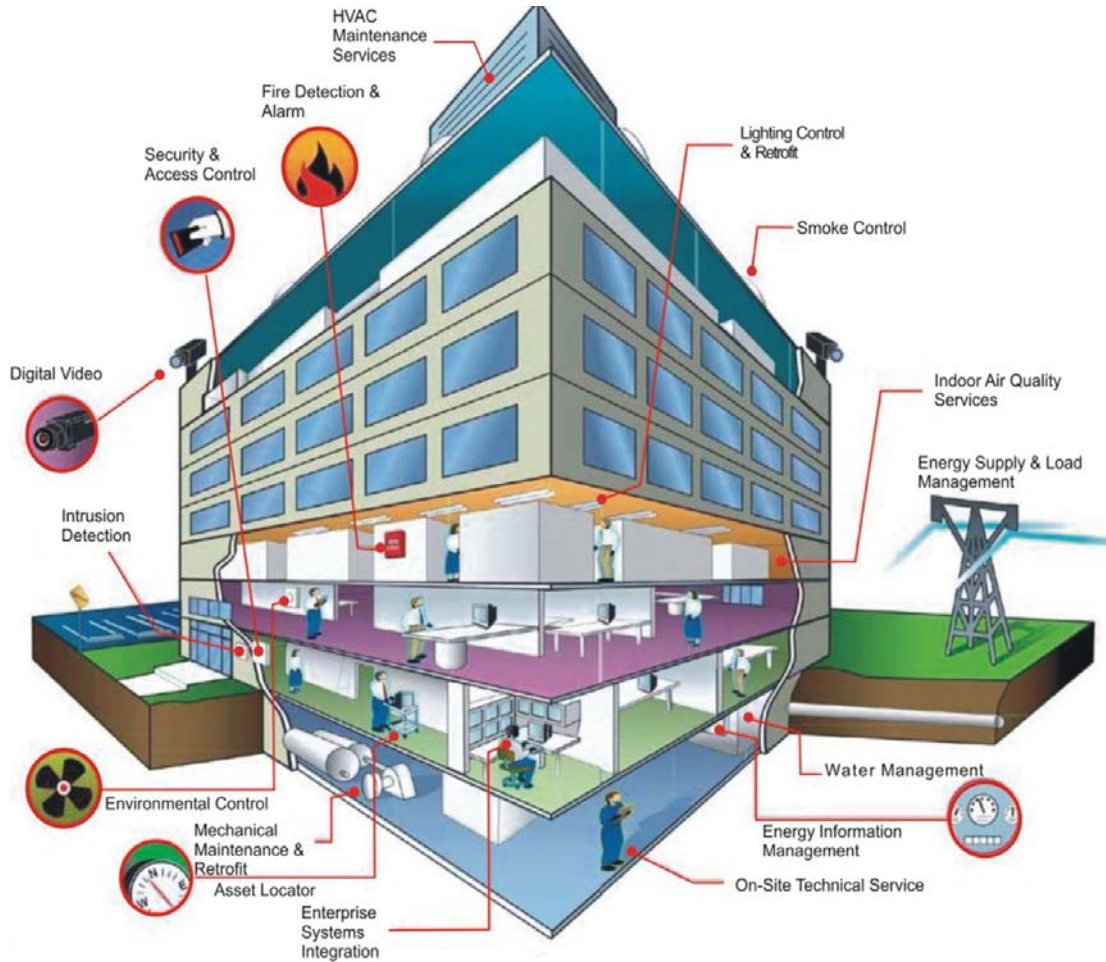— **Austin** Mayor Steve Adler

Current Winners

City	Project Focus	In-Person Scoping Workshop
Nashville, TN, USA	Urban Flooding	Q4 2021
Orange County, FL, USA	Built environment	October, 2021
Brisbane, Queensland, Australia	Data governance	October, 2021

2nd Quarter Readiness Challenge
Kicks off Week of May 10
(with Infrastructure Week)
Contact: Connie.Heath@smartcitiescouncil.com
If your city wants to apply

Holistic approach to Orange County Built Environment

Focus

Inside buildings

&

Between buildings (district)

Smart Cities
Council Team

Connie Heath
Director City Engagement

Peter Murray, Executive Director

Philip Bane, Managing Director

Steve Crout
Director, Policy Task Force

Jeff Benavides
Chief Sustainability & Resilience Officer

Orange County Smart & Healthy Building Readiness Program

Overview

Smart Cities Council Role

Procurement process is outside scope of this engagement

Assist OC in defining needs

Manage online collaboration for project planning

Assist experts and solution providers in addressing OC needs

- Focus is on use cases
- Focus is on mapping use cases to solutions in an accelerated fashion

Participation options

Procurement process is outside scope of this engagement

Ways to participate:

- Listen and learn
- City will get access to any Smart & Healthy Bldg Roadmap
- Bring a city to present
- Present during 'invite only' sessions
- Use Solution Provider Tool Kit (to be provided upon request)
- Present innovative solution (next slide)
- If your participation is relevant and useful, you will be invited to private Scoping Workshop in October (in-person)

Alternative is to wait until OC issues a solicitation (which is outside this process)

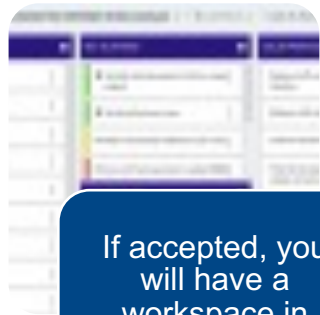# Process to suggest innovative solutions (pre-procurement process)

Start by sending email to Philip.Bane@smartcitiescouncil.com
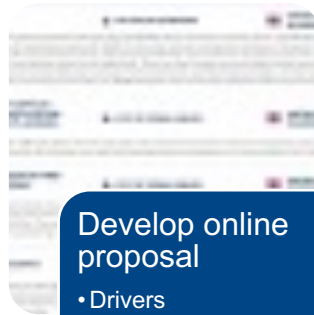Subject title is "Solution for Orange County Smart & Healthy Buildings'
Short 100 word description of perceived need, solution, benefits, cost and ROI.
Preference for solutions that provide triple bottom line benefits.
Example would be a solution that reduced energy usage, provided revenue and would make Building occupants or city residents' experience more convenient or safer

.

If accepted, you will have a workspace in Activator Plan to share proposal with Council and Orange County

Develop online proposal
- Drivers
- Stakeholders
- Benefits
- Solutions
- Embed videos, links
- Develop architectural diagrams

Collaboration
- Council will bring in experts and possible other partners
- Orange County will participate in live collaborative scoping session when Council indicates proposal is ready

Procurement
Orange County will process proposal in expedited manner through procurement

Orange County Solution Tool Kit Projects and Use Cases in Online Collaboration Platform - Smart Cities Activator

In partnership with

Schedule as of April 29

Date/ All Times @ 11:30 am EDT Unless Noted Differently	Primary Topic	Description
April 29	Orange County Convention Center	Primary focus will be on upcoming HVAC, electrical, and digital infrastructure projects at the Orange County Convention Center. OCCC will also announce a Smart Cities Council driven process to improve security at OCCC.
TBD	Orange County Convention Center Security Upgrade Requirements	An 'invite only' webinar where Orange County will review upcoming plans to upgrade Orange County Convention Center security.
May 13	Orange County Stakeholder	Orlando, Winter Park and other cities and utilities will discuss how they view Orange County's Smart & Healthy Building Plan and how they plan to participate.
May 13 5 pm EDT	Data Driven Equitable Outcomes	Nashville and Orange County, along with innovative solution providers Neighbourlytics (Australia), State of Place and Xylem will review how they can use to data to ethically improve the human experience of their communities.
May 27	OC Built Environment	Review all built environment other than Orange County Convention Center. Also review EV infrastructure
June 10	Net Zero Carbon / Energy Requirements	Review Orange County Net Zero Carbon and energy efficiency goals with experts.
June 24	Water, Air and Occupancy Requirements	Review Orange County water, air and occupancy goals with experts. Focus on wellness.
June 25 – July 21	Break	

Schedule as of April 29

Date/ All Times @ 11:30 am EDT Unless Noted Differently	Primary Topic	Description
June 25 – July 21	Break	
July 22	Invite only webinars with experts and solution providers. Topics covered will include: • Data (cloud) and communication solutions for built environment • Energy, water, air and occupancy solutions • Fire and security solutions • EV infrastructure programs for built environment • Predictive analytics, specifically Digital Twins • Local community data to improve the human experience of built environment	
Aug 5		
Aug 19		
Sept 9		
Oct 6-9	Scoping Workshop	'Invite-only' in-person workshop were Orange County and other invited cities will scope with select experts and solution providers all use cases requiring solutions.
Oct 6-9	Smart Cities Week @ WIA's ConnectX	General programming with emphasis on 5G
Oct 19-23	Digital Twin Week	Virtual conference on predictive analytics

Seeking access to Smart Cities Activator or to Participate in the Readiness Program (Orange County / Nashville / Brisbane)

Cities contact:
Connie.Heath@smartcitiescouncil.com

Experts and solution providers contact:
Philip.Bane@smartcitiescouncil.com