

CTIA Smart Cities Workshop - Carlsbad

February 9, 2023

The City of Carlsbad's Chief Innovation Officer, David Graham, welcomed our smart cities experts to the first digitized Smart Cities Wireless Maturity Model Workshop. This workshop explored the wireless maturity of Carlsbad's Public Services assessment report and scores and dived deeper into the areas of Smart Transportation and Connected Utilities. Joined by his fellow city department stakeholders, the City of Carlsbad was prepared to learn, explore, and share insights with each other and our members as they continue their own smart cities journey.



David Graham, Chief Innovation Officer for the City of Carlsbad, along with Teri Nolan, Itron, and Michelle James, CTIA.

The maturity model is a complementary planning tool developed by the wireless industry for cities to use as they assess their current wireless connected solutions supporting those who live, work, and play in their cities. CTIA VP of Strategic Industry Programs, Michelle James, kicked off the workshop with an overview of the model, breaking down the architecture into three main verticals, fourteen focus areas, and six wireless elements, totaling eighty-four comprehensive questions that measure a community's wireless maturity.

Part One – Smart Public Services

Before jumping into the maturity model report, David shared the background of “Connected Carlsbad” and their goal of creating a citizen-lead effort to improve local innovation. Based on data driven solutions, Carlsbad hopes to empower citizens to inform the city of improvement opportunities and translate that into tangible departmental goals.

David referenced the Public Services Maturity Report as a great example for how his department can make better informed decisions when prioritizing upcoming projects. He referred to the report as a compass for future strategic planning, acting as a great collective foundation for his team and other city departments.

Part Two – Transportation and Utilities

The workshop turned to the remaining two sections; Smart Transportation and Connected Utilities. The onsite city departmental stakeholders were able to complete their vertical assessments during these breakout sessions. Attributed to both the ease of the digitized version and the preparedness of the city, the right individuals were present to answer the six wireless element questions posed for each of their focus areas. Transportation explored:

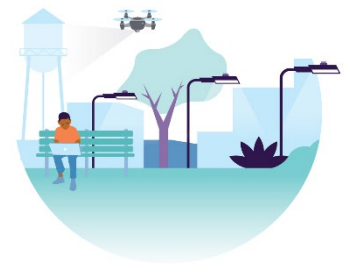
- Intelligent traffic systems and intersection signals
- Micro-mobility: pedestrians, scooters, and bikes
- Parking
- Public transportation



The transportation officials and smart city experts exchanged insights around their goals and opportunities as their smart transportation maturity scores were revealed.

Up next, the vertical of utilities reviewed:

- Natural gas
- Water and wastewater
- Electricity



The workshop concluded with the utility stakeholders completing their assessment and receiving their own smart utilities maturity report. Recommendations for how other regions, towns, and communities could utilize the digitized report were shared, along with ongoing promotion of the Maturity Model assessment nationwide. To celebrate the successful workshop, our members joined David at a group dinner and follow ups will be scheduled to further explore ongoing efforts and performance insights.

Upcoming Activities

Beyond San Diego, CTIA will host additional Smart Cities Workshops and member meetings. Tentative 2023 schedule includes:

- **April** Memphis, TN
- **June** Kansas City, MO
- **August** Philadelphia, PA
- **October** Atlanta, GA
- **December** Washington, DC