Community Technology and Telecommunications Commission 2021-2022 Work Plan

Knowledge, Information, and Data Stewardship

Members

- **Chair:** David Alexander
- Nehemiah Pitts, III
- Dave Floyd
- Maxine Eiland

Objectives

1. Explore how the City can communicate its programs, services, and resources to underserved areas and communities without access to the internet (i.e. digital kiosks around town).

2. Explore current City capability to receive concerns about tech and issues with tech, outside of in-person attendance at City Council meetings; also, explore the possibility of utilizing a digital forum to enable this functionality.

3. Collaboration between COA and UT to create SpeadUpAmerica bandwidth map

4. Equitable Broadband Geographical Data Report & Analysis

5. Monitor COA webpage redesign project

6. Council vote database

7. Residential Technology Study

8. UT-COA & CTTC ILA Research Collaboration

9. City-Wide Technology Pilot Audit & Assessment

    a. Software Applications

    b. Atlas One APD App

    c. Community First 3-Printing Homelessness Solutions

d. Autonomous Vehicles, Drones, & Smart City Tech

Technology, Infrastructure, and Innovation

Members

- **Co-Chair:** Sumit DasGupta
- **Co-Chair:** Dave Floyd
- Malcolm Yeatts
- Nehemiah Pitts, III

Objectives

1. Provide partnerships with other organizations or high-tech companies moving into Austin to enable city-wide free wifi hot spots, charging stations, public devices to use etc.

2. Continue to monitor Google Fiber deployment in Austin

3. **GAATN**

    a. Advocate for the use of the GAATN network to expand resident access to the Internet

    b. Review plans for technology upgrades to the GAATN network

    c. CoA network sharing, e.g., GATTN and evaluation of means by which city could incentivize carriers to provide upgraded services throughout the city

4. Infrastructure as a Service (IaaS) Efficiency & Equity Analysis & Assessment

    a. Infrastructure for Advance Services (IAS) Program Team, Camp Mabry, Austin Emergency Services, Austin Energy, etc...

5. Rollout of upgrades by carriers to interconnect technology, particularly in areas where the city is upgrading its roads infrastructure

6. 5G and small cell deployment beyond the downtown area

7. Smart Cities progress

8. ATD smart mobility effort and alignment with CapMetro plans and means to align enhancements to communications infrastructure

9. Upgrade to city fiber technology

10. Promote economies of scale via evaluating the ecosystem of technology units in the city and recommending consolidation as appropriate.

11. Removal of barriers to access to broadband / wireless connectivity in marginally-served (low income) areas of the city

Digital Inclusion, Civic Engagement, and Strategic Policy Impact

Membership
- **Chair:** Nehemiah Pitts, III
- Nicole Thompson-Beavers
- Steven Apodaca
- Maxine Eiland
- Sophie Gairo

Objectives

1. Investigate ways to enable the homeless population using a digital matching program i.e. job matching, programs etc.

2. Increase CTTC relationships/partnerships with local technology companies (AT&T, Google, etc.) with the goal of identifying opportunities to expand both access and upskilling/education particularly for communities of color.

3. Remote participation at Boards and Commission meetings

4. Advocate for Zoom licenses administered by libraries for civic groups

5. Continue to advocate for increased funding for library wireless hub and platform lending programs

6. **GTOPs**

    a. Continue to advocate for increased funding for GTOPS

    b. GTOPs Expansion - Community Needs assessment and/or resource mapping

7. Emergency Broadband Relief Carrier Evaluation

8. State Legislative Tech & Telecommunications Policy Evaluation

9. ATD Smart Mobility & Project Connect (see IAS above)

10. Collaboration, Civic Engagement & Lived Experience Sharing w/Tech

    a. Special Called Meetings (Wide-Scale DI Ecosystem reflective)

      b.   Citizen Participation & Video Conferencing from Public Facilities

11. D.E.C.A. Expansion

      a.   Funding Source Identification

      b.   Public-Private Partnerships (PPP)

Overall Commission

1. How might the Commission encourage and monitor the development, adoption, and deployment of small cell and other advanced/upcoming technology including possibly extending such services to areas beyond the downtown area?

2. How might the Commission work with the city and the carriers to ensure that the city and the carriers cooperate to enhance the latter's capabilities in alignment with city projects to upgrade its road infrastructure?

3. How might the Commission provide citizen oversight over and insight to smart city and open government efforts?

4. How might the Commission work with other Commissions and across all City departments to identify opportunities for collaboration?

5. How might this Commission use city technology to promote civic participation, transparency, open data, and partnering with carriers, including possibly providing city incentives to carriers to deliver equitable access to services by citizens?

6. How might this Commission advise City Council on how to improve access to technology and telecommunications services in underserved areas of Austin, particularly during times of emergency?

7. How might this commission work with the city and Cap Metro to ensure that all transportation infrastructure projects are implemented in a way that they enable / permit simultaneous upgrades to the communication infrastructure?