
City of San Jose

IT Advisory Board - Special Projects Update

Digital Inclusion and Broadband Strategy

anyCOMM Internet of Things Pilot

FCC Broadband Deployment A

September 7, 2017

Agenda

1. Digital Inclusion and Broadband Strategy Summary

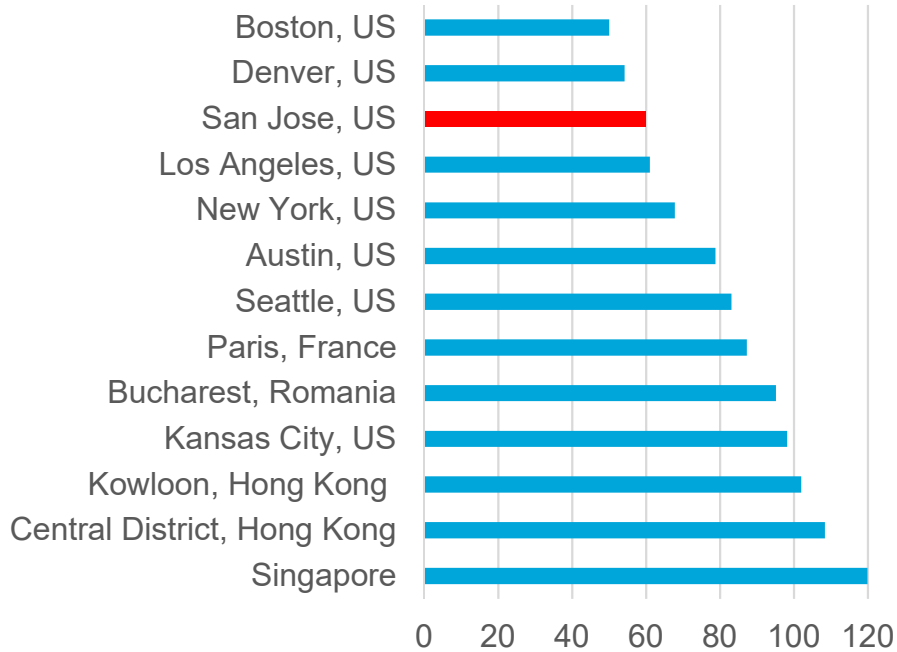
2. anyCOMM Internet of Things Pilot

3. FCC Broadband Deployment Advisory Council

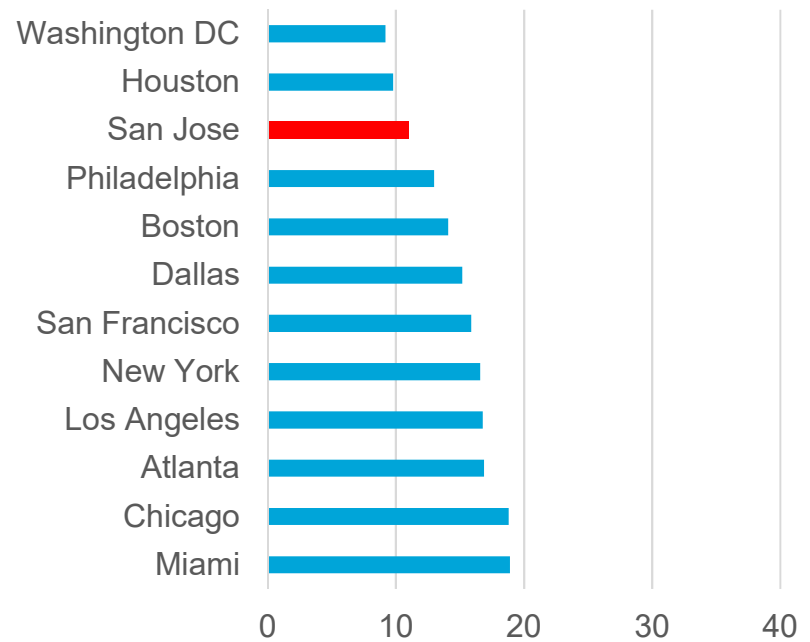
Broadband Strategy

Current State – Broadband Summary

Average residential wireline download speeds (mbps)



Average mobile download speeds (mbps)



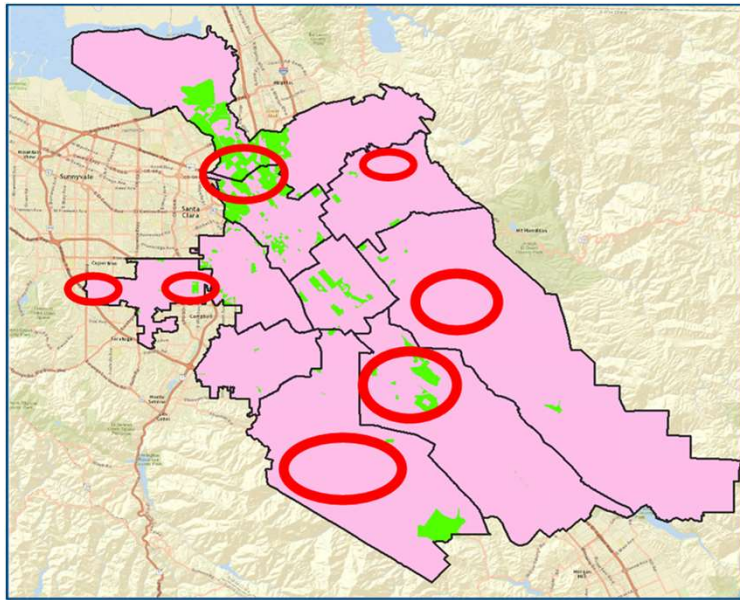
San Jose's broadband significantly lags our peers

Broadband Strategy

Current State – Broadband Summary

- High-quality fiber access confined to 2.7% of the City’s census tracts
- Slow mobile and wireline access is widespread
- City is not strongly influencing the market

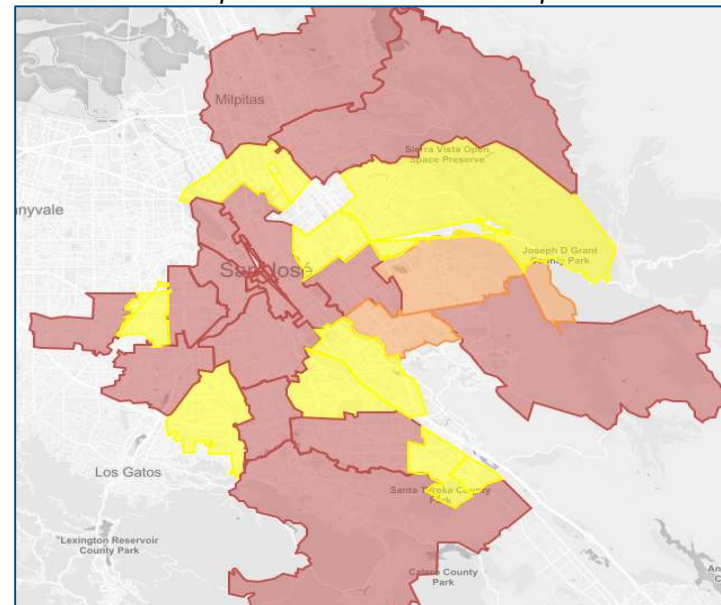
Fiber build-out vs. median income



Absence
 Presence
 Area of high median income

Source: FCC 477 including residential and commercial broadband

User-reported mobile download speeds

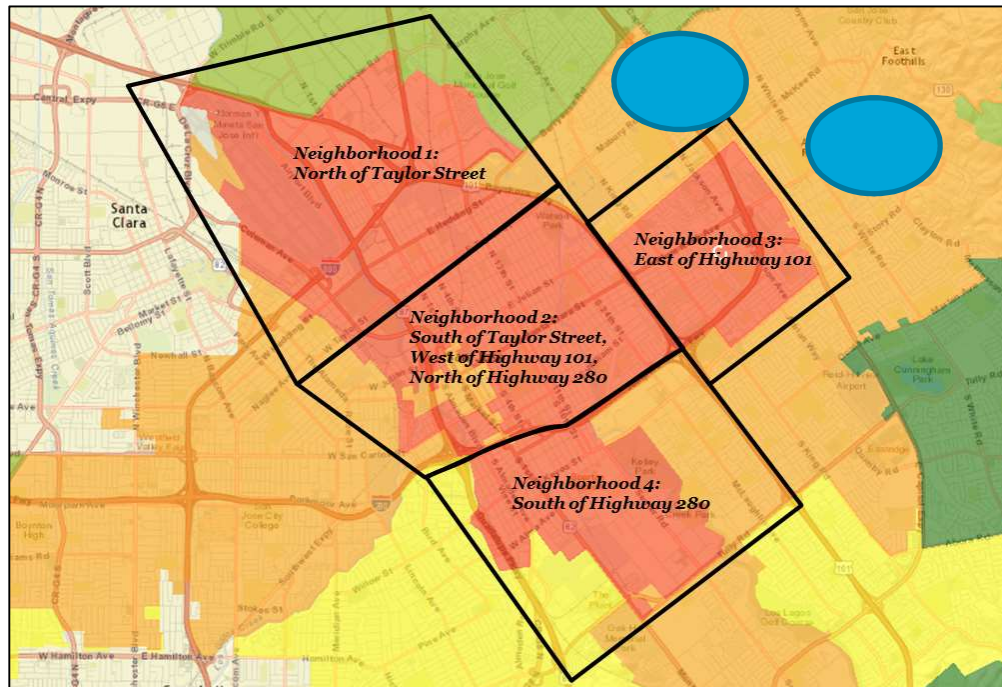


0 - 9 mbps
 10 - 19 mbps
 20 - 49 mbps

Without City engagement this market dynamic will not change

Broadband Strategy

Current state: Digital Inclusion



- This analysis examined **the digitally-excluded areas of the City** by zooming in on “hotspots” of digitally-excluded residents
- Our analysis generated **four zoomed-in neighborhoods**, as seen at left
- The area of focus of ESUHS is indeed a “high” priority area and nearby areas are candidates for free community Wi-Fi
- Several City buildings (libraries, community centers) exist in these areas that could **anchor City interventions**

ESUHS
Community Wi-Fi

San Jose’s primary digitally excluded (~10%) is low income Latinos with high school degrees or less living near downtown

Summary – ‘No Regrets’ Recommendations

Being the US innovation leader will require many actions, but one non-negotiable element is the ability of all San Jose’s citizens and businesses to connect to the highest-quality broadband network available while providing equity and inclusion for the under resourced.

| Staffing and Leadership | Policy/Standards | Governance |
|--|---|---|
| <ul style="list-style-type: none"> • Consolidated broadband governance and execution • Dedicated team singularly focused on pole attachments and the permitting process • Digital inclusion collective impact organization leadership and capacity building | <ul style="list-style-type: none"> • Dig once policy • Micro trenching and nano trenching standards • Pole attachment streamlining and standards • Power interconnection policy • Attachment rate policy including network/large batch pricing • Privacy policy • Security policy • Digital inclusion priority policy | <ul style="list-style-type: none"> • Master Lease Agreement (consider) |
| Programs and Projects | | Infrastructure |
| <ul style="list-style-type: none"> • Digital Inclusion Awareness Events • Public Wi-Fi (opportunistic) • Device donation and/or refurbishment pilot • Device leasing pilot • Family digital literacy program expansion • Seniors digital inclusion program expansion | | <p>Targeted at medium term</p> |

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anyCOMM Internet of Things Pilot

Update pushed to next meeting

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FCC Broadband Deployment Advisory Committee

- Shireen Santosham, Chief Innovation Officer – Mayor’s office, provided a verbal update

- On January 31, 2017 FCC Chairman, Ajit Pai, announced the creation of the Broadband Deployment Advisory Committee (BDAC)
Its mission is to provide advice and make recommendations to the Commission on how to accelerate the deployment of high-speed Internet access, or broadband, by reducing and removing regulatory barriers to infrastructure investment.
Chair of the BDAC: Elizabeth Pierce, CEO of Quintillion Subsea Operations, LLC, and Quintillion Networks, LLC (Quintillion),
Vice Chair of the BDAC: Kelleigh Cole, Director of the Utah Broadband Outreach Center in the Utah Governor’s Office of Economic Development.
A full list of BDAC members is available in the posted Public Notice at https://apps.fcc.gov/edocs_public/attachmatch/DA-17-328A1.pdf

- BDAC have five working groups
 1. *Model Code for Municipalities.*—
Chair: Douglas Dimitroff of the New York State Wireless Association and the [Vice Chair: Honorable Sam Liccardo, Mayor of San Jose, California.](#)
 2. *Model Code for States.*—will serve as Chair of this working group,
Chair: Kelly McGriff of Southern Light
Vice Chair: Honorable Karen Charles Peterson, Commissioner, Massachusetts Department of Telecommunications and Cable, for the National Association of Regulatory Utility Commissioners
 3. *Competitive Access to Broadband Infrastructure.*—
Chair: Ken Simon of Crown Castle and
Vice Chair: Brent Skorup of the Mercatus Center at George Mason University.
 4. *Removing State and Local Regulatory Barriers.*—
Chair: Robert DeBroux of TDS Telecom, and
Vice Chair: Kim Keenan of the Multicultural Media, Telecom and Internet Council
 5. *Streamlining Federal Siting.*—
Chair: Jonathan Adelstein of the Wireless Infrastructure Association, and
Vice Chair: Valerie Fast Horse of the Coeur d’Alene Tribe.