Smart Cities and Digital Inclusion
Net Inclusion Summit
St. Paul, MN
May 17, 2017

http://kcdigitaldrive.org • @kcdigitaldrive
Let's bring Google Fiber to our area
Pre-register by Sept. 5 at google.com/fiber
PAINT THE TOWN GREEN

FIRST DAY

LAST DAY
No “redlining” – 96% of KC neighborhoods qualified
Distressed urban areas prioritized over wealthy suburbs
Many low-income subscribers are first-timers
Low-cost starter package, $300 for 7 yrs (5 / 1 Mbps)
Digital Inclusion Fund, ConnectHome, and more

Google Fiber has made an unqualified positive impact
What Is KC Digital Drive?
Mission: Make Kansas City a Digital Leader

We have gigabit-speed technology in place. Now it’s time to secure our economy’s future and improve the quality of life for all Kansas Citians by...

- Closing the Digital Divide
- Driving Digital Innovation
- Building Kansas City’s Reputation
What We Do: Community-Driven Innovation

- Smart and Gigabit Cities
- Digital Inclusion
- Healthcare Innovation
- Government/Civic Tech
- Education
- National Partnerships

2016
May 16-18
Our approach

Build Community
- Leverage relationships
- Create workgroups

Identify Opportunity
- Follow the energy
- Evaluate need
- Measure interest
- Fill gaps

Track Results
- Storytelling
- Public outreach
- Social/digital media

Implement Solutions
- Launch projects
- Manage workflows
- Obtain funds
To facilitate collaboration among organizations and initiatives working to bridge the digital divide in order to maximize the resources for the greatest impact.
Digital Inclusion KC
May 20, 2016

Sponsored by the Kansas City Coalition for Digital Inclusion
Hosted by the Kansas City Public Library: Central Library

DIGITAL INCLUSION PRACTITIONERS
» Digital Inclusion Summit Report (PDF)
» Other service providers
» Local support resources
» Join the Coalition

COMMUNITY MEMBERS
» Lessons and tutorials
» Places to get connected
» People that can help
» Find a low-cost computer

COALITION MEMBERS
JOIN US
» Member filespace
» Attend the Summit on May 20!
Internet Café embedded at Reconciliation Services
Urban Neighborhood Initiative mmWave wireless
Digital access research mobile-friendly site
Providing channel partners for AT&T curriculum
What’s a Smart City?
Cloud & Services

Stadium Municipal Command & Control Center

Smart Grid

Hospital Optimization

Comms Network Optimization

Home Energy Management

Traffic Flow Optimization

Factory Optimization

Logistics Optimization

Connected Over Industry Standard Platforms

SMART CITY

Intelligent Medical Devices

Connected Ambulances

SMART HOSPITAL

Intelligent Digital Signage

SMART HIGHWAY

Automated Car System

Traffic Cameras

SMART FACTORY

Source: Intel via Cisco
Citizen engagement, open data, civic tech, sharing economy, innovation economy, “the just city”, “the love city”

Connectivity/sensors/analysis and response

Cisco/IBM product line
KCMO’s Smart City Initiative

- $15.3M project along streetcar line from River Market to Union Station
- Free public wifi backbone
- Looking to extend to Prospect MAX line, part of DoT Smart City Challenge submission
KCMO’s Smart City Initiative

- Interactive kiosks
- Smart parking and traffic signals
- Sensor- and video-equipped streetlights by Sensity for parking, snowfall, infrared, watching you, etc.
- Opt-in data collection from visitor smartphones
- Open data APIs and SDKs
Future challenges

The future of the three legged stool

• Network improvement – public, private
• More and more connected devices
• Private spaces / public spaces
• Dynamic application environment – design stage, use stage

• Data literacy
Future challenges – the three-legged stool

• Network improvement – public, private
• More and more connected devices
• Private spaces / public spaces
• Dynamic application environment – design stage, use stage
Future challenges – emerging opportunities

• Data literacy and transparency of algorithms
• Leapfrogging STEM
• Privacy for sale
• The luxury of going online
• Respecting the opt-out
Principles for a Digital Inclusion Strategy
Don’t build redundant infrastructure thinking it will fix the digital divide.
“Internet access” is not the sole component of redundancy.
Home access to the Internet is critical.
But home Internet, in most cases, should **not** be free.
Mobile device access is not sufficient.
Targeted geographical focus allows for measurable impact.
City government ought to play an active role.
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