



A TECHNOLOGY VISION FOR **THE CITY OF LOS ANGELES**

IERB Consortium
November 6, 2014



IT Governance

Mayor Eric Garcetti



Innovation/Broadband



Deputy Mayor
Rick Cole



City Council

Need for broadband & digital inclusion

Validate need and communicate results



Deputy Mayor
Doanne Liu

Infrastructure/ Digital Inclusion



Information Technology Agency
Chief Technology Officer
Steve Reneker

Deputy Mayor
Rick Cole

Council Motion



Chief Legislative Analyst
Sharon Tso

Funding



City Administrative Officer
Miguel Santana

Strategy, tech community

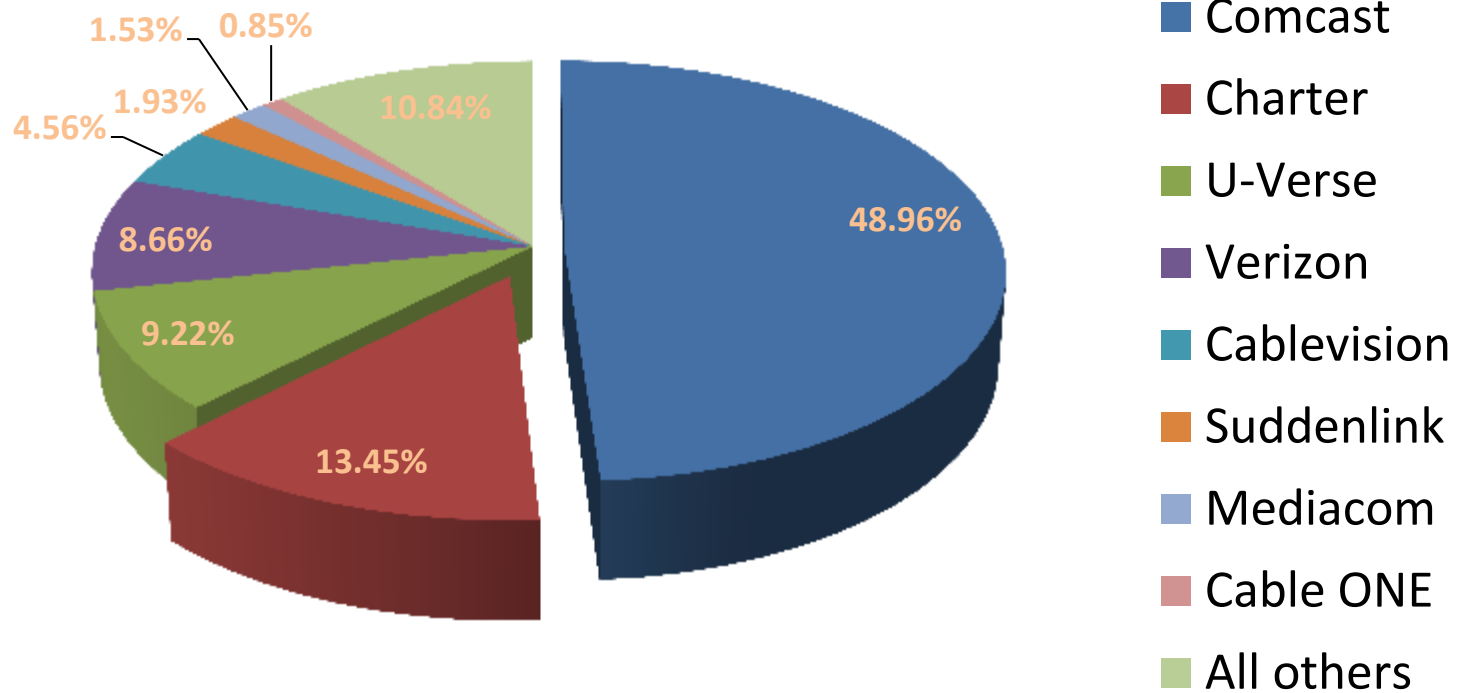


Chief Innovation & Technology Officer
Peter Marx

Permits, Ordinances, Assets

General Manager's & Elected's

Post- TWC/Comcast Merger – National Picture



Broadband Evolution – Retail Pricing

- Comcast, Arlington Virginia:
 - 50/10 = \$30/month
 - 150/20 = \$115/mo
- Chattanooga, TN (municipal system):
 - 100/100 = \$58/mo
 - 1 Gb/1 Gb = \$70/mo
- Austin, Tx. (Google)
 - 1 Gb/1Gb = \$70/mo
 - 5 Mb/1 Mb = free (with \$300 construction charge)
 - TWC tripled broadband speeds in June for no extra charge





Broadband Strategy



Evolution of Broadband

Past

- 2007 Civitium Study on WiFi say LADWP best Option – Mayor Villaraigosa
- 2008 BTOP Economic Stimulus provides 188 Training Centers with PCs and broadband

Today

- 2013 Councilman Blumenfield and Mayor Garcetti support LA Community Broadband Network Strategy
- RFI released and 35 responses received. BBK to develop RFP.

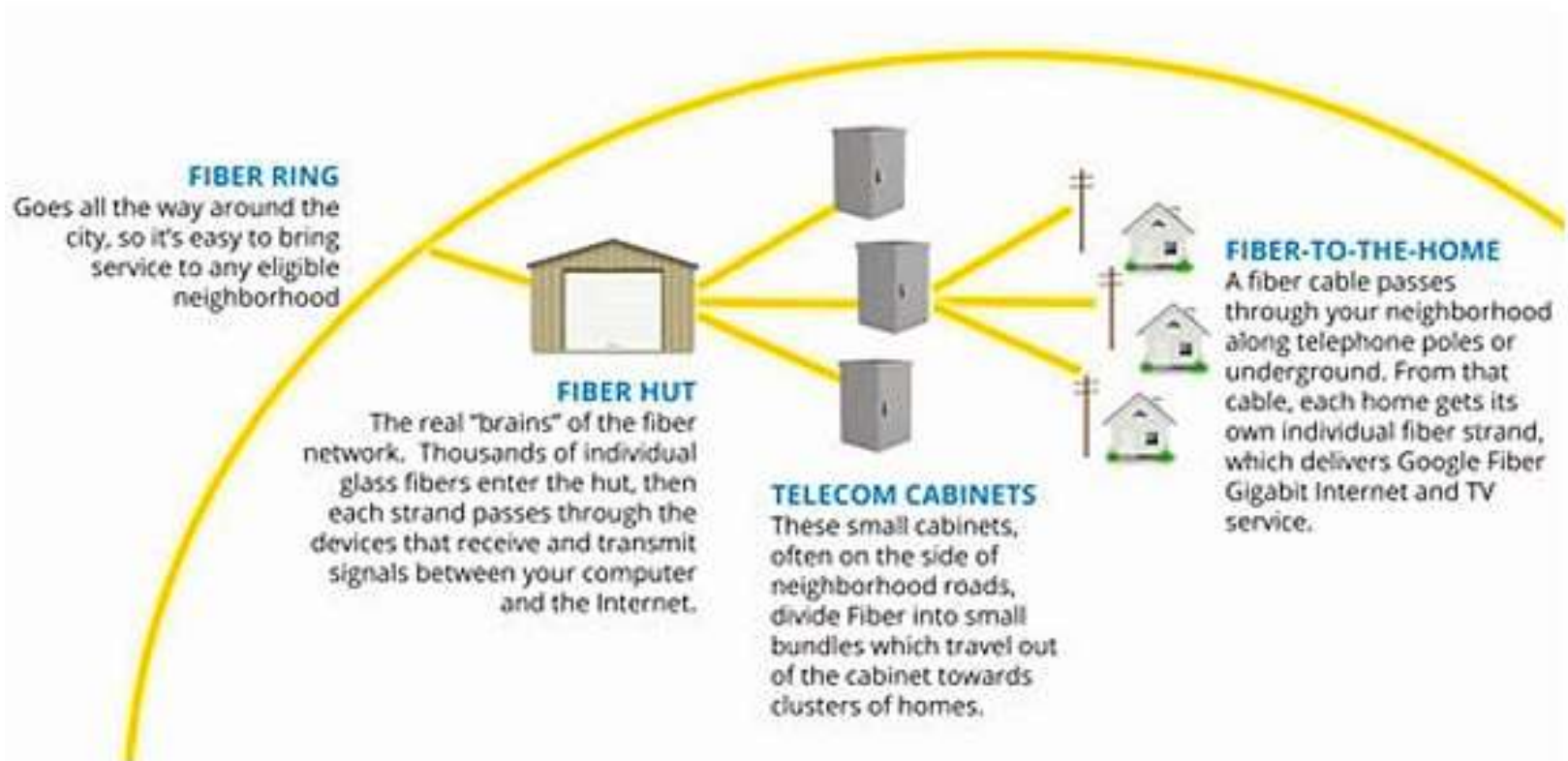
Tomorrow

- RFP to be released Spring 2015
- Digital Infrastructure Permitting Group being funded along with Single Point of Contact
- Following Google Community Fiber Guide

Future

- Provide fiber to every residence, business, multi-dwelling unit and government facility
- Provide ubiquitous WiFi for visitors, students and low income
- Free component for low income families

What Does A Network Look Like?



What Does A Network Look Like?

Tech: What's a Google Fiber Hut?



About 70 enclosures of this size would be required for *residences* for the City of Los Angeles

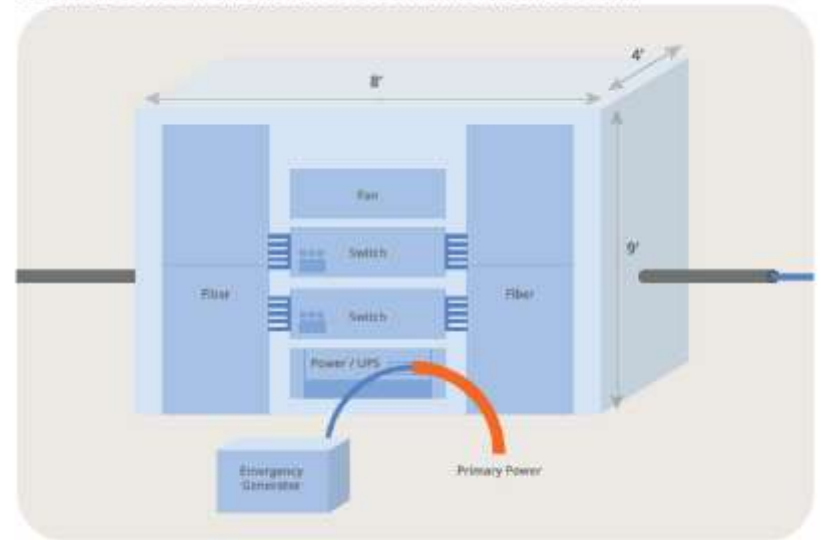


What Does A Network Look Like?



Assume a box like this every 3-5000 feet for passive network substantially larger for active network (like AT&T boxes)

FIGURE 12: OUTDOOR CABINET IN ACTIVE ETHERNET FIBER NETWORK



What Does A Network Look Like?

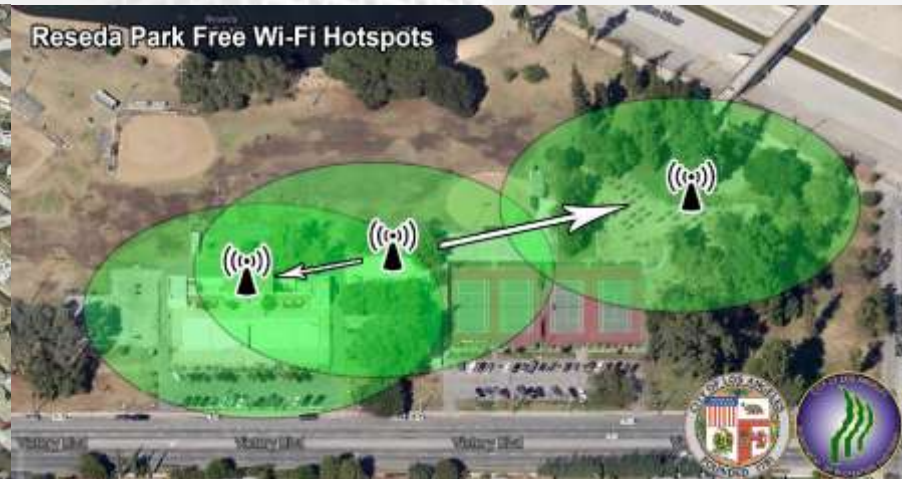


Pole – mounted
version – Verizon FiOS
cabinet





Free WiFi comes to Six Los Angeles Parks





Digital Inclusion Strategy



Evolution of Digital Inclusion

Past

- CETF Funds WiFi at Mar Vista
- One Economy funds WiFi at Jordan Downs
- BTOP leveraged Community Centers, Libraries and other facilities for computer labs for training and free access

Today

- Mayor Garcetti and Council President Herb Wesson create OurCycleLA – City of LA's First Digital Inclusion Program starting with 8,000 donated computers

Tomorrow

- OurCycleLA pilot delivers 5,000 computers into various programs
- City to determine expanding donations to companies and residences

Future

- Work with Bureau of Sanitation to forward all e-waste collection in bulky item pick ups to OurCycle LA
- Embed training programs with free broadband options to focus on those in need



City of Los Angeles
E-Waste Digital Inclusion Program (OurCycleLA)

