

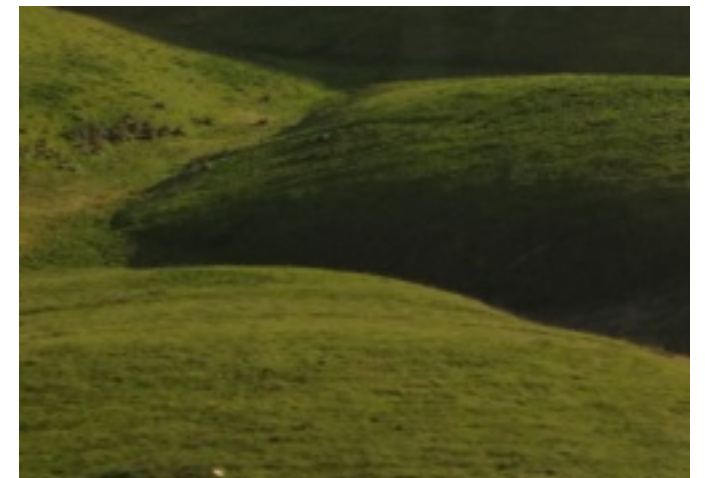


Central Coast Broadband Consortium

Broadband infrastructure means jobs and
economic development

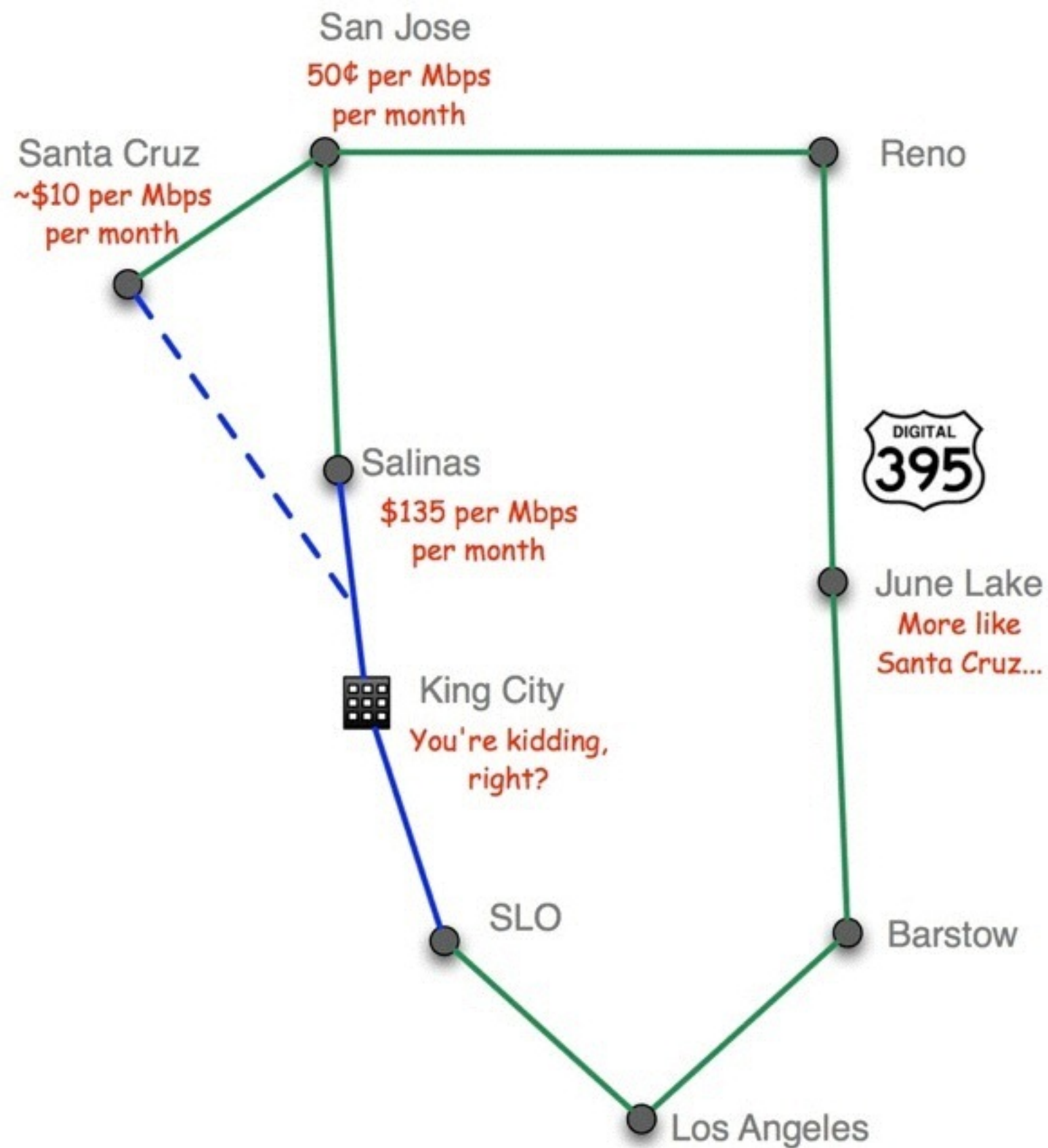
{Geek}

*is the new
Sexy*



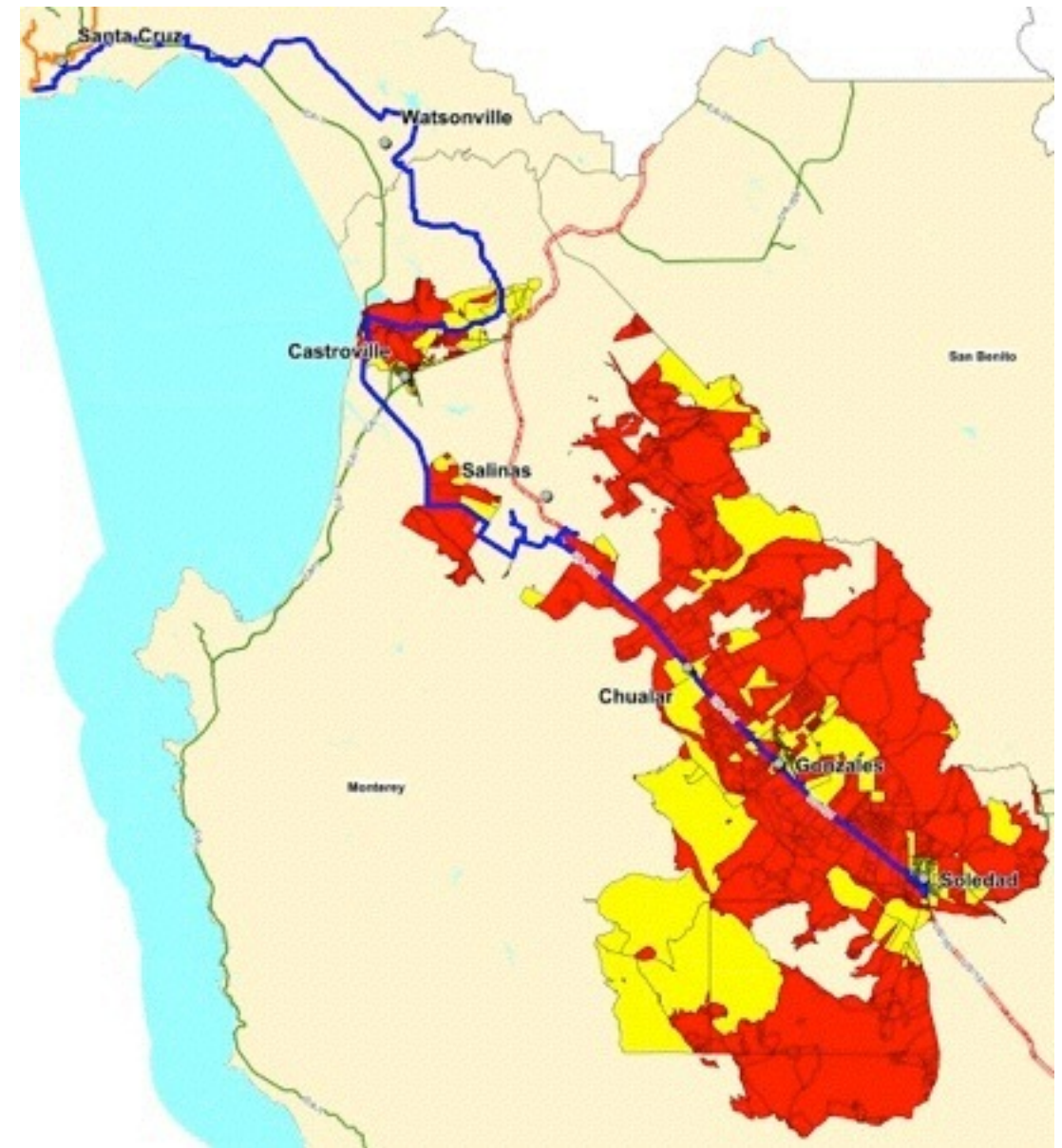
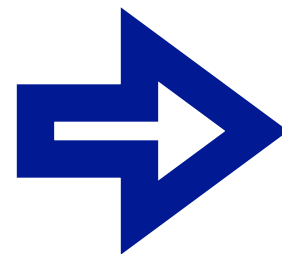
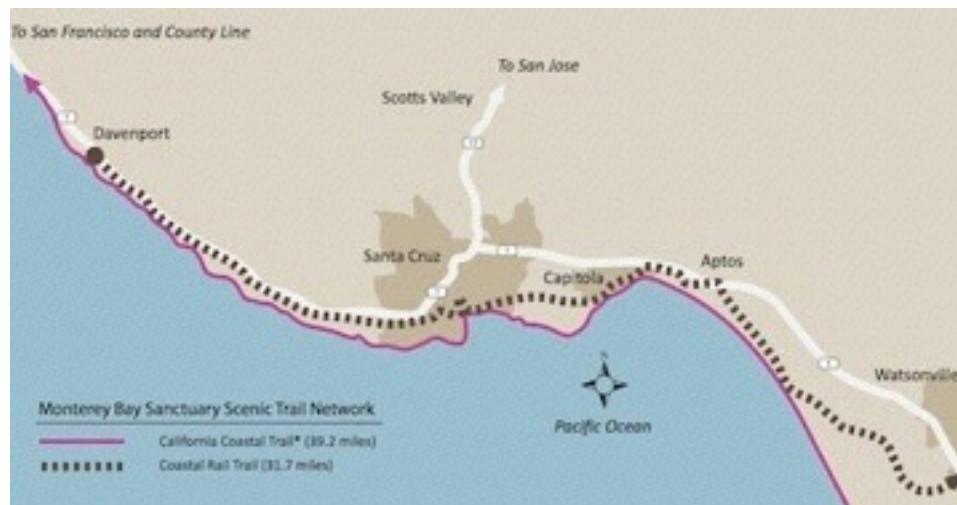
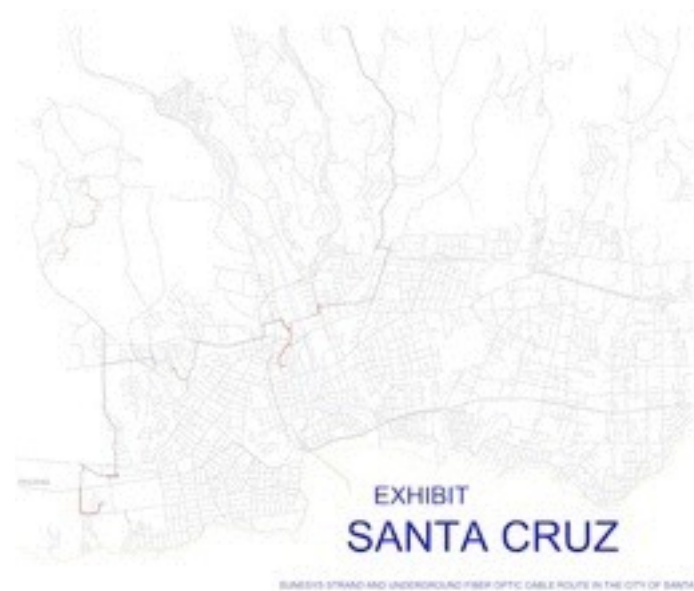
A tale of two cities

San Leandro & King City



Distance & location matter

UCSC project bringing fiber to
Santa Cruz pays dividends



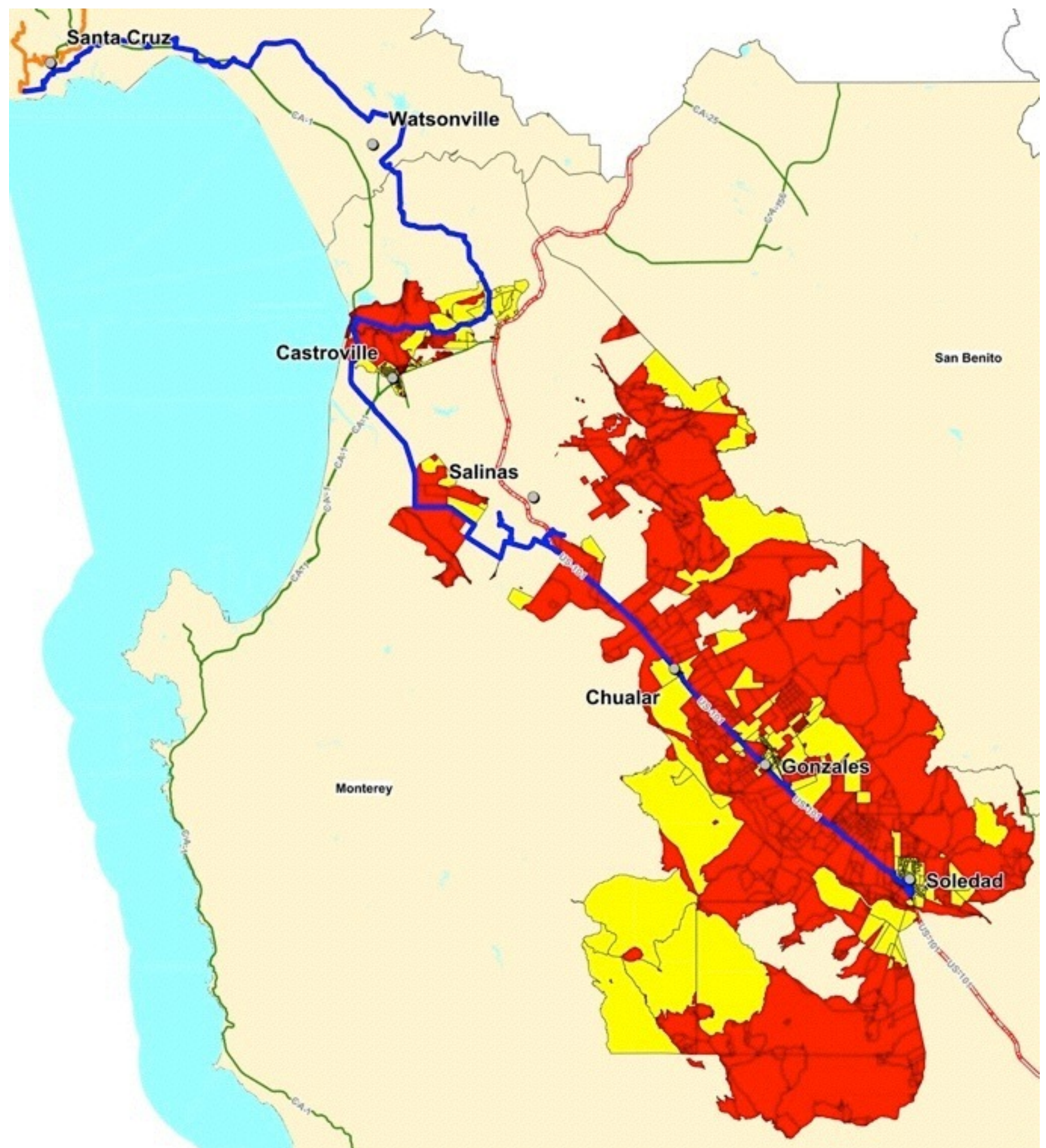
CCBC coordination,
infrastructure inventory, policy

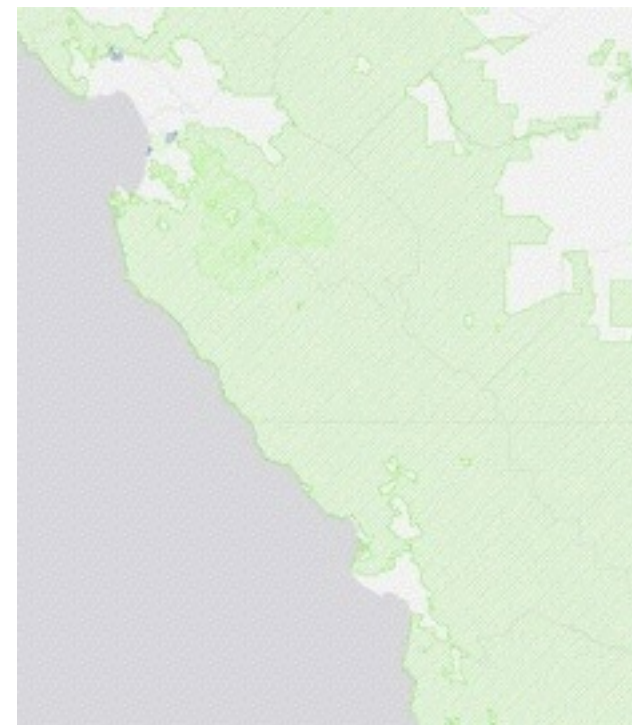
Used to develop CASF projects

UCSCC-led middle mile project

Industrial grade fiber
route:

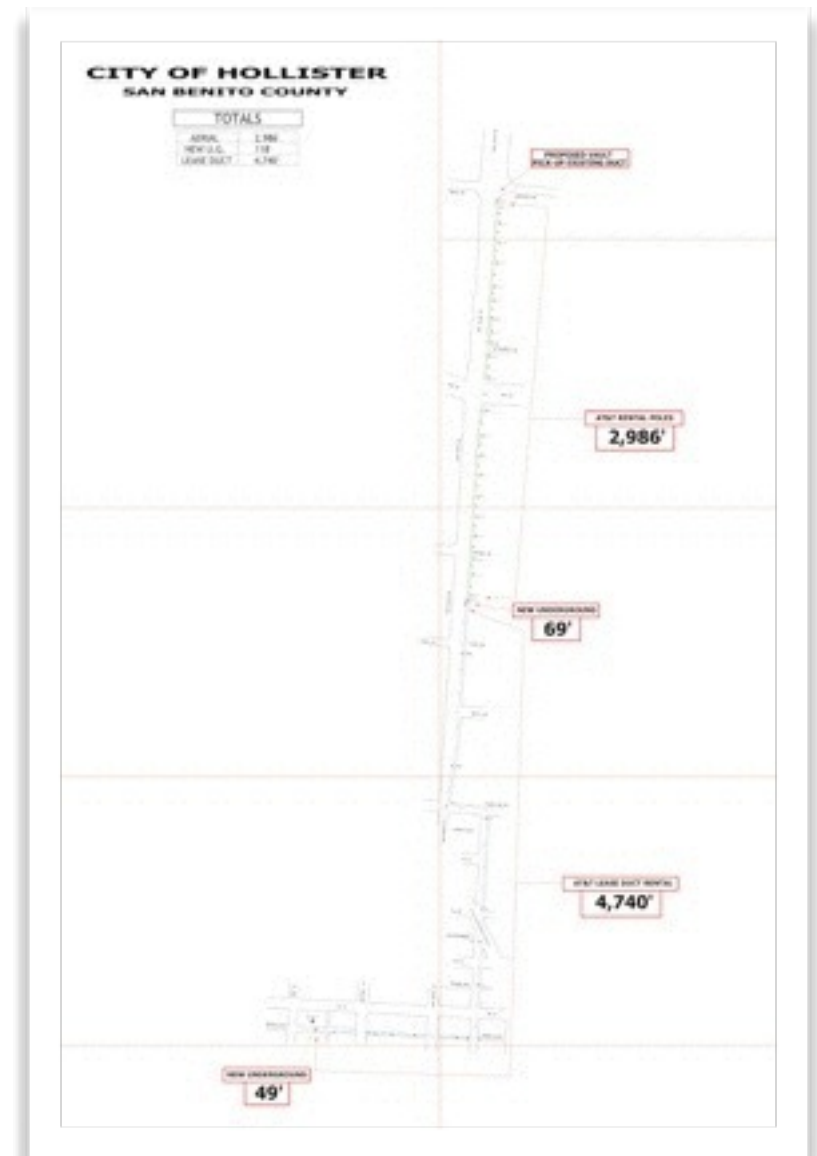
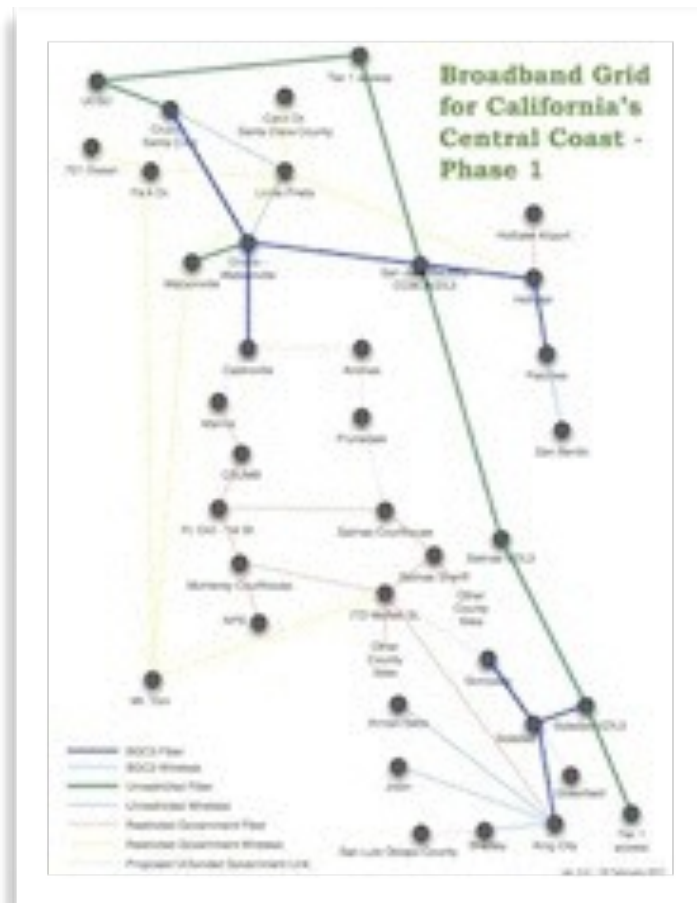
Santa Cruz -
Watsonville -
Castroville - Salinas -
Chualar - Gonzales -
Soledad





Five last mile projects for
three counties

Surfnet in Santa Cruz &
Monterey, Pinnacles Telephone
in San Benito, Etheric wireless
region-wide



CCBC continuing vision, blueprint for broadband development

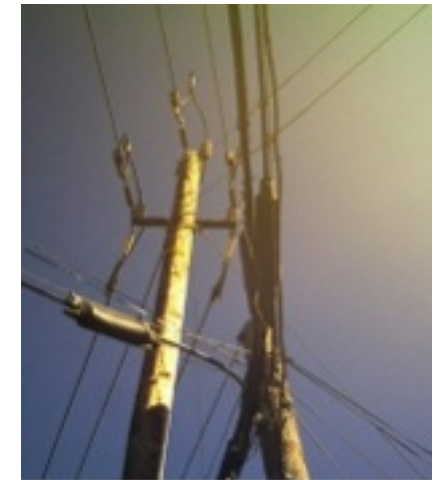
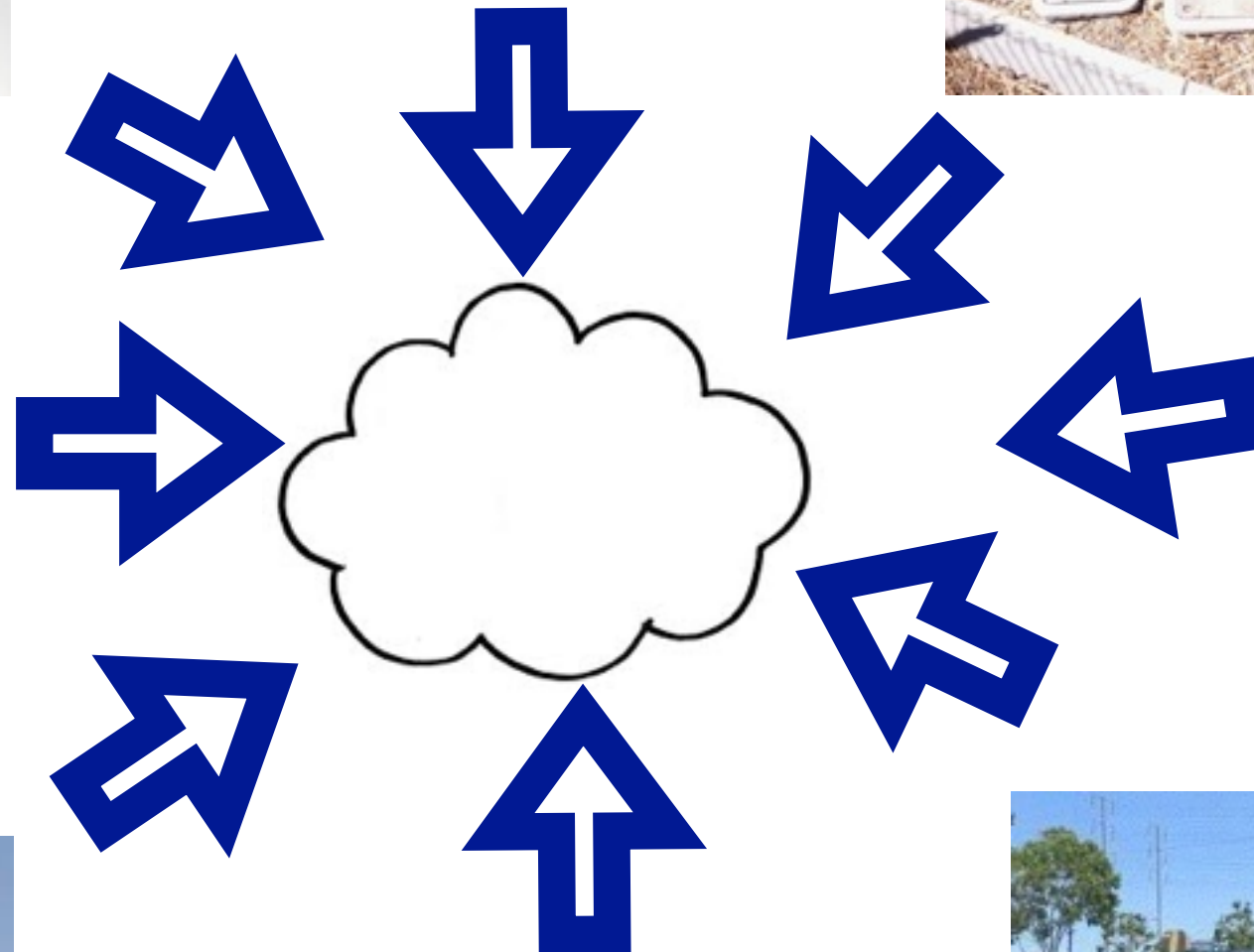
Developed locally, coordinated regionally, previously endorsed by CPUC

Back-up slides



Conduit is forever

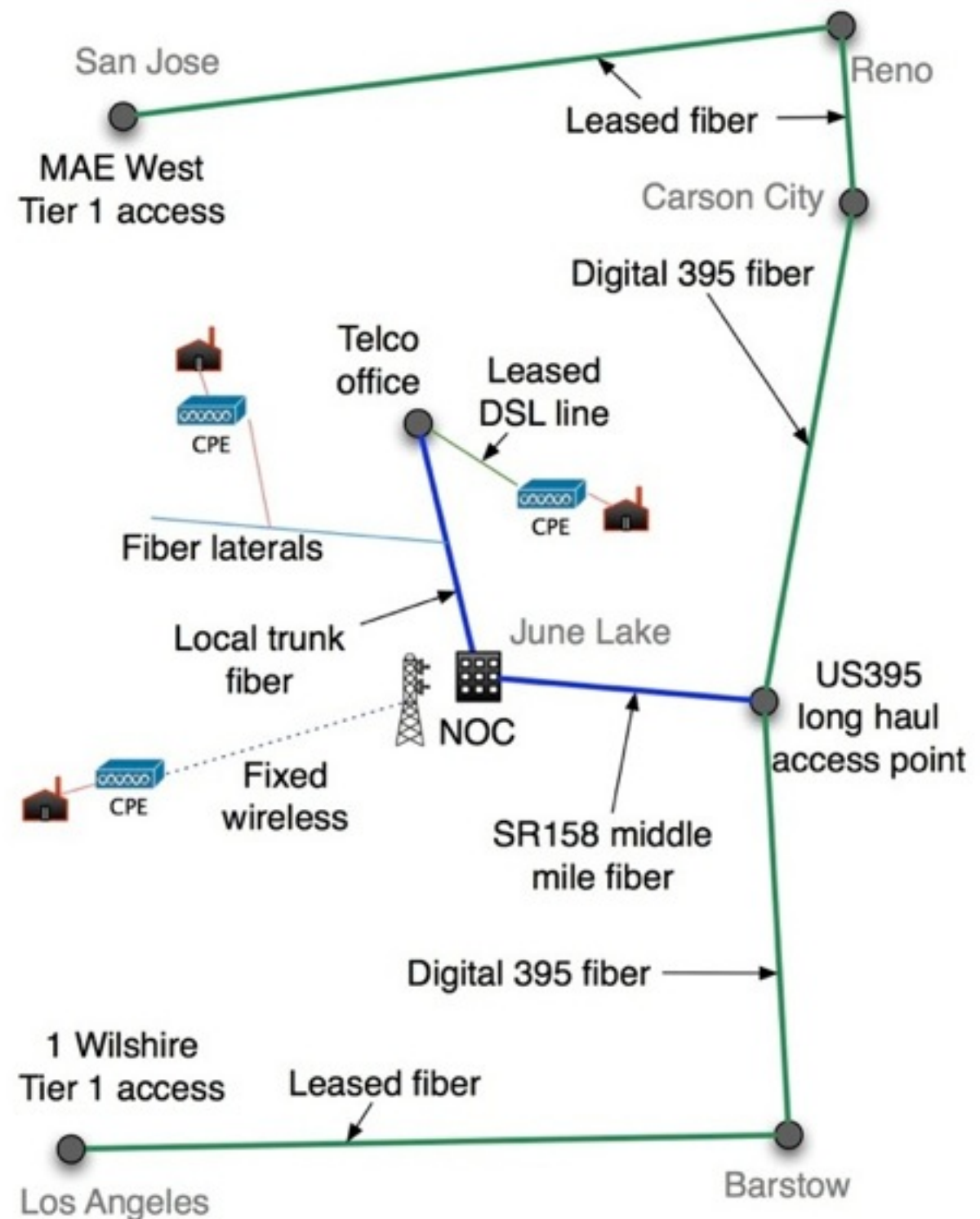
Roman ductworks used for fiber optic lines



Broadband is digging
and rigging

It's not rocket science

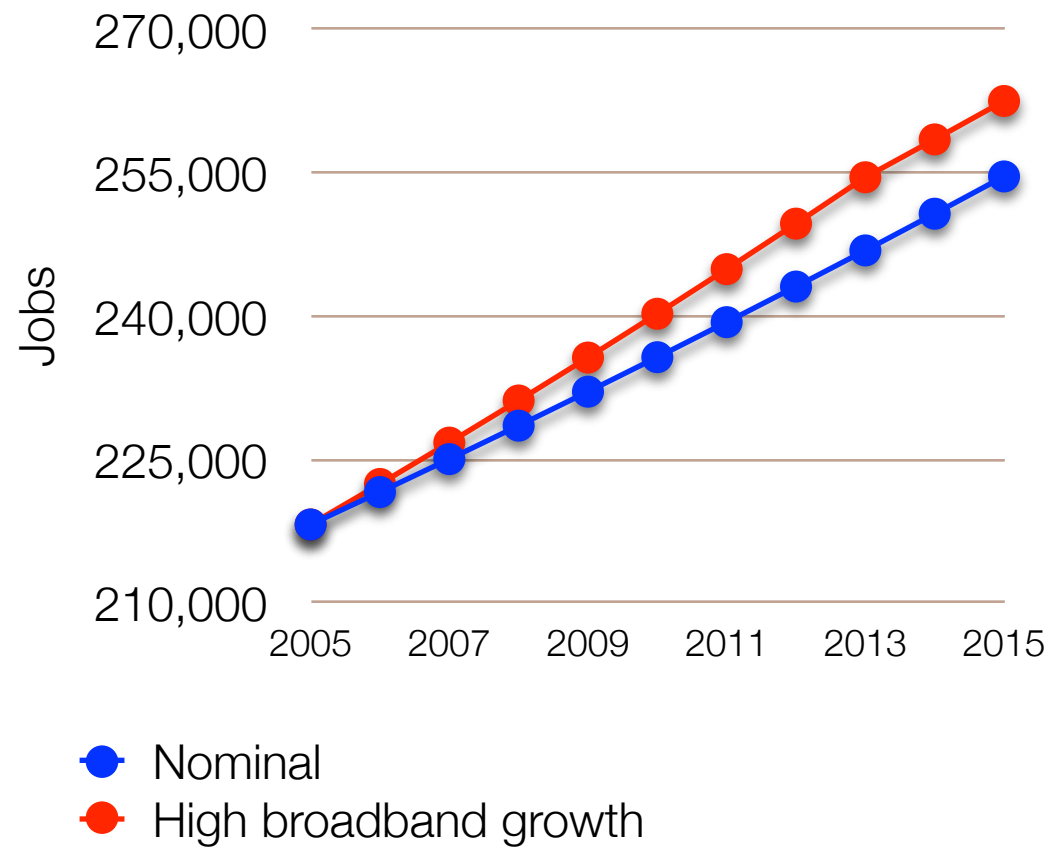
- Tier 1 Internet connection
 - Bandwidth
- Long haul fiber
 - Maybe several providers
- Long haul access point
- Middle mile fiber
- Central office/NOC
- Local trunk distribution fiber
- Lateral fiber
- Customer drop
- Customer premise equipment



Broadband value chain

Not a lot different from water, electricity

Broadband's Effect on San Joaquin County Employment



Source: Sacramento Regional Research Institute

Almost 50K job-years created by improved broadband access

Top U.S. Cities Average Measured Connection Speed

Rank	City	2Q11 Ave. Mbps
1	San Jose, CA	13.7
2	Fredericksburg, VA	8.5
3	Monterey Park, CA	8.2
4	Fremont, CA	8.2
5	Staten Island, NY	7.6
6	Columbia, MD	7.5
7	Jersey City, NJ	7.5
8	Riverside, CA	7.5
9	Oakland, CA	7.5
10	Fairfield, CA	7.3

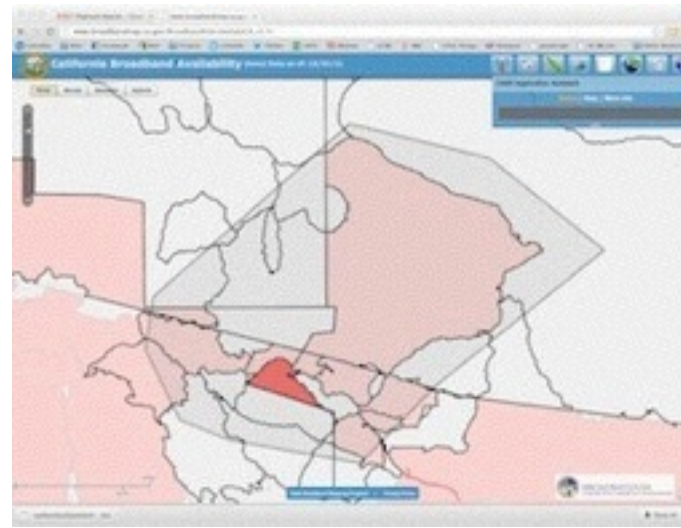
Source: Akamai

Broadband attracts
business, drives growth

Bandwidth is a basic
requirement for business
location decisions



Lit San Leandro venture investing \$3 million in fiber loop for industrial, commercial customers



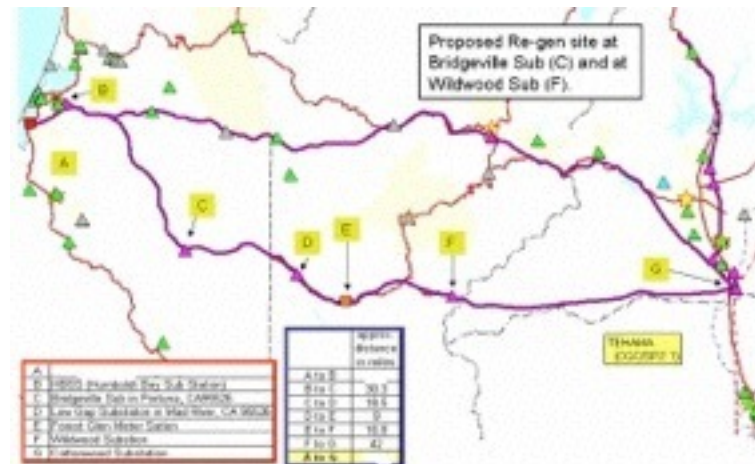
Rural telco builds fiber, wireless broadband links



Mountain ISPs look at FTTH & wireless service expansion



Private communities evaluate, partner on fiber systems



IP Networks, local groups partner on north coast fiber build



King City developer pursues major employer

Private companies & communities are in it too

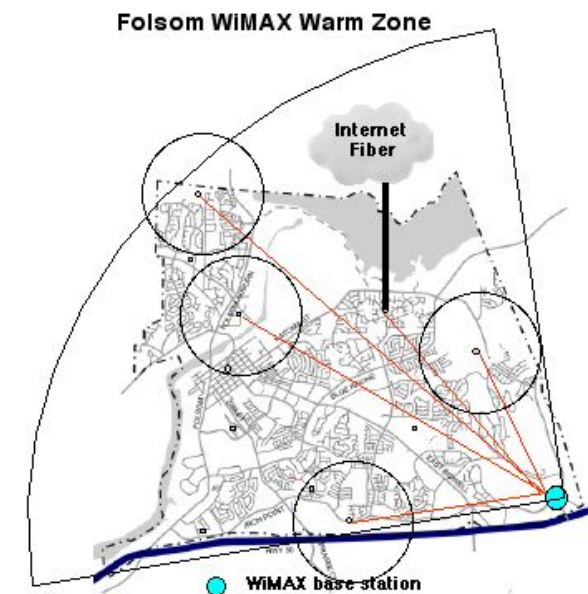
Building infrastructure where big incumbents won't



Cities of San Leandro, Palo Alto, Santa Clara in dark fiber business



City of Lompoc runs a wireless Internet utility



City of Folsom built a wireless backbone pilot project



Cities of Benicia, Brisbane lighting up industrial parks



Chattanooga building fiber to the home, offers Gigabit service

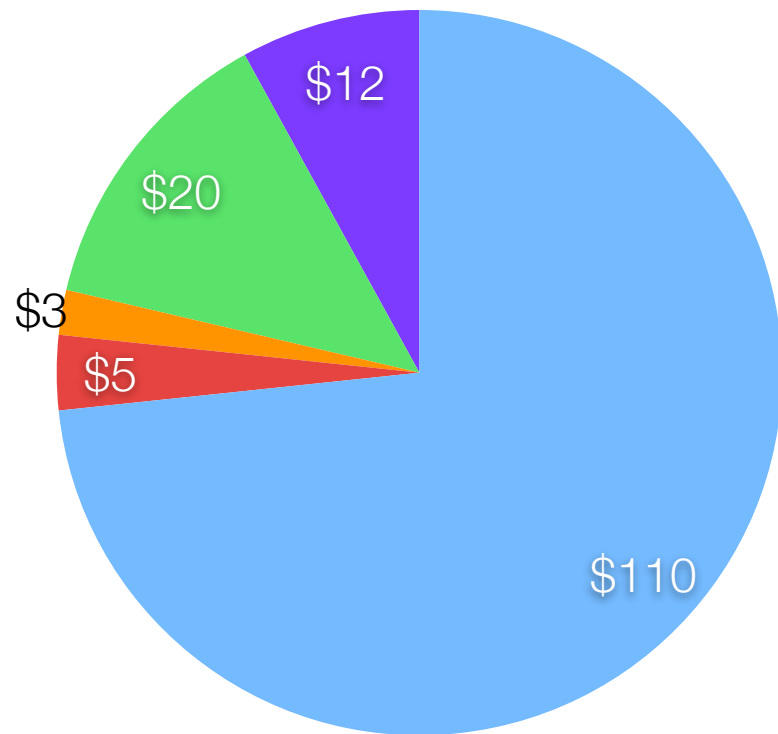


Central coast counties developing 300 mile fiber network

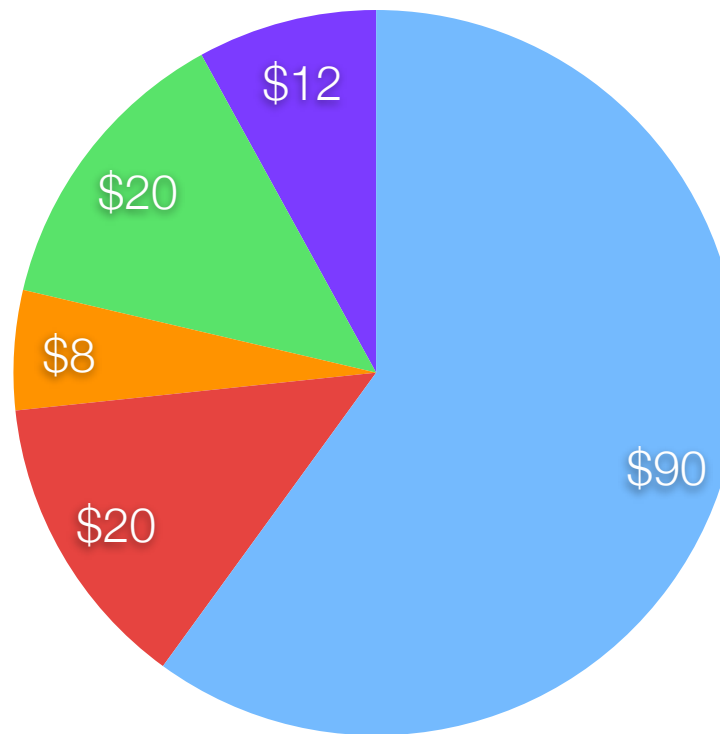
Cities & counties are developing broadband

Willing to invest in infrastructure & partner with private companies

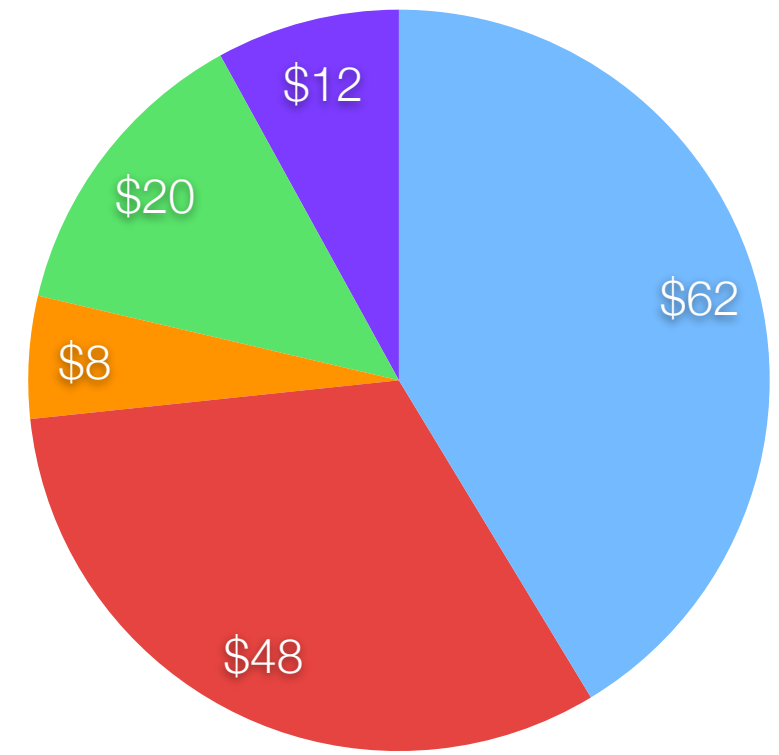
Year 1



Year 2

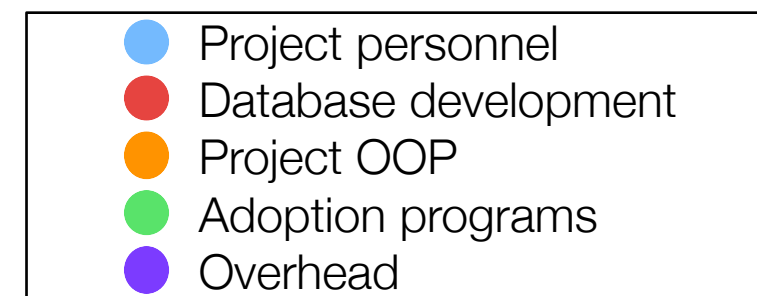


Year 3



000's

Core grant-funded budget
\$150K per year



	Year 1	Year 2	Year 3	Total
CASF Consortia Grant	\$150,000	\$150,000	\$150,000	\$450,000
CASF summit travel supplement	\$10,000	\$10,000	\$10,000	\$30,000
CCBC member in-kind contributions	\$57,250	\$76,750	\$76,750	\$210,750
Total	\$217,250	\$236,750	\$236,750	\$690,750