Central Coast Region Broadband Project Update



- AB 57 turns FCC "shot clock" for wireless permits into a "deemed granted" process
- AB 238 Assemblyman Mark Stone proposed raising broadband minimums for CASF eligibility, stalled
- CASF account is nominally oversubscribed
 - \$154 million available
 - \$161 million requested
 - Not all will make it through review process
 - Plan is to bring AB 238 back next year, with additional funding authority

Legislative & CPUC update

Changes this year

CCBC priority areas

Monterey County

- 1. Greenfield
- 2. King City
- 3. Gonzales

Regional Wild Cards

- 1. Soledad
- 2. Castroville
- 3. Chualar

Santa Cruz County

- 1. Pleasure Point/Twin Lakes
- 2. Soquel
- 3. Brookdale

San Benito County

- 1. Aromas area
- 2. Airport/Northeast area
- 3. Cienega Road area

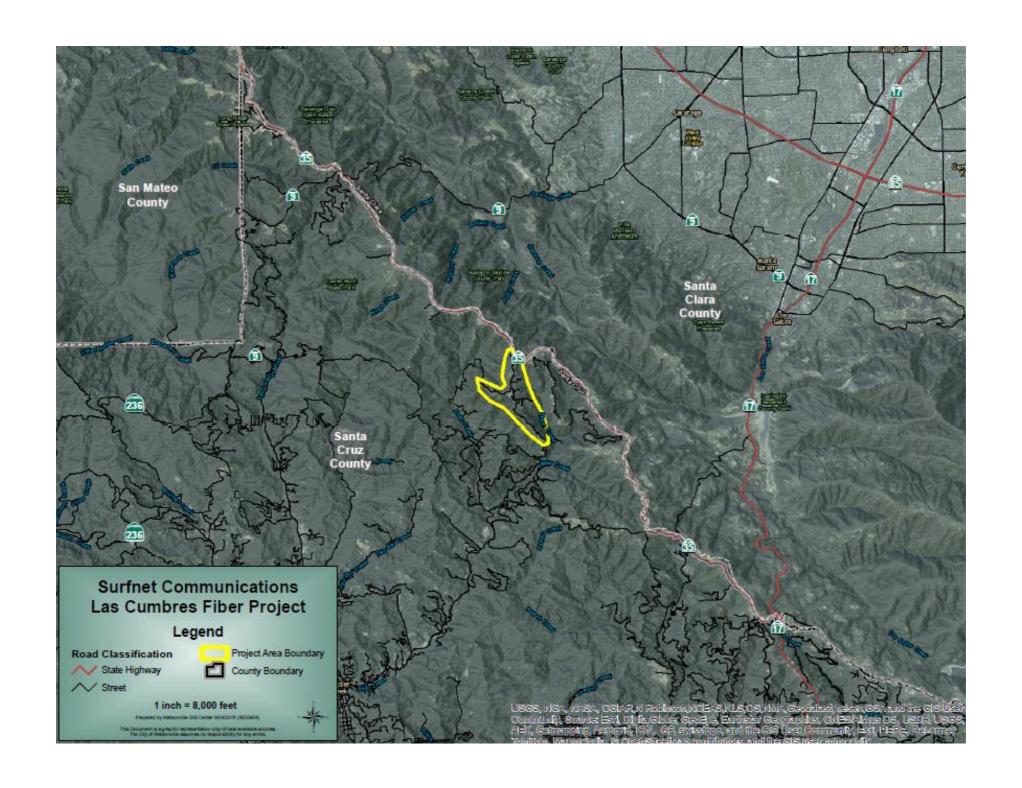
Recognised as priorities in CPUC resolution

Can get on fast track for CASF money



Sunesys project in permit stage

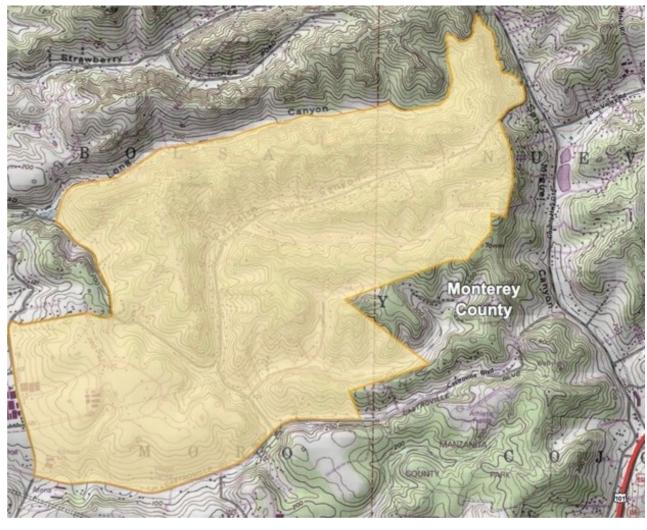
Updates?



Surfnet applied for CASF grant for FTTH in Santa Cruz mountains

\$730,000 grant, \$243,00 loan \$1.2 million total with match



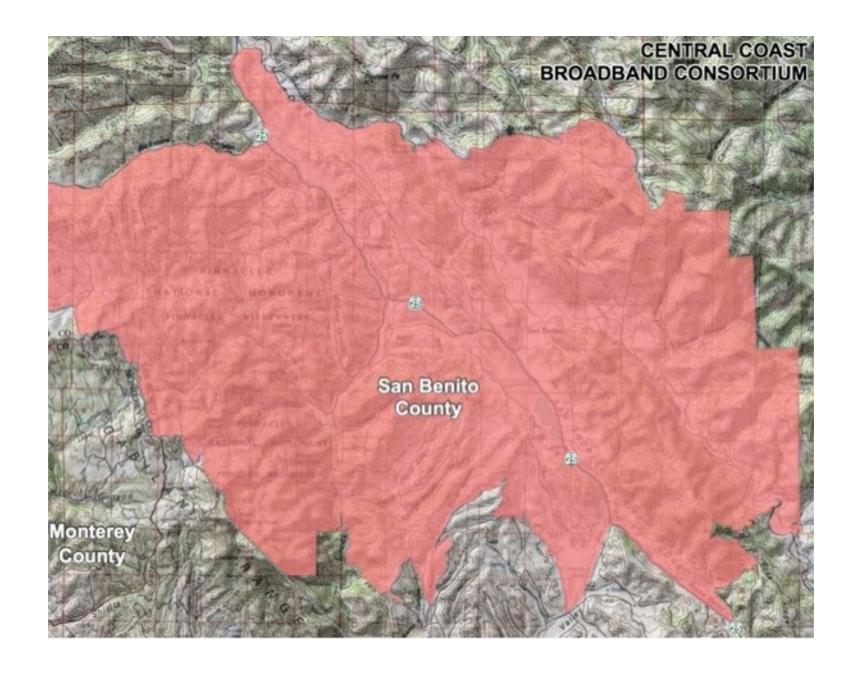


Monterey Dunes

Paradise Road

Two Surfnet projects awaiting construction

Timeline depends on Sunesys construction work



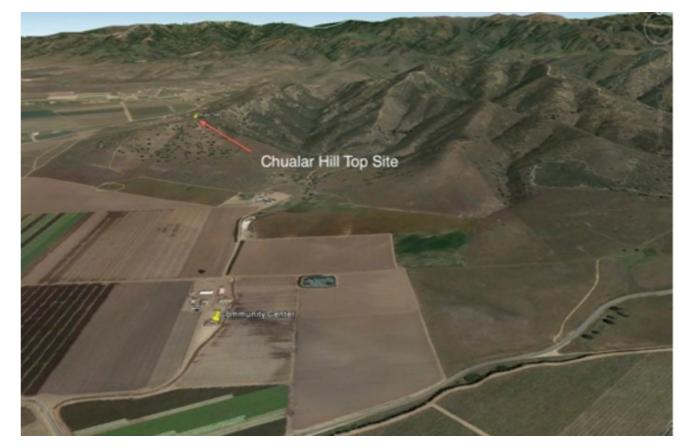
Pinnacles Telephone upgrade completed

Funded by CASF





DeNovo Group



Redshift

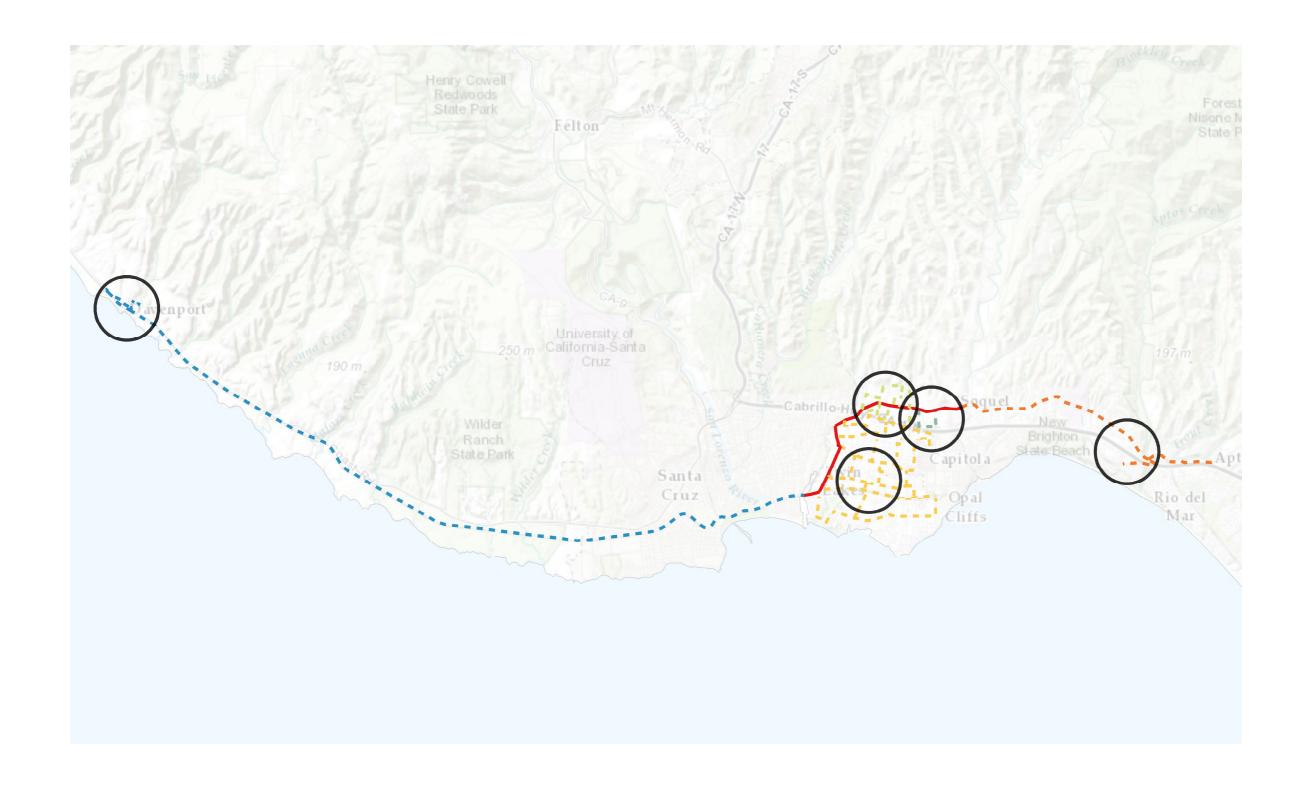
Wireless projects in Salinas Valley

Funding proposals rejected



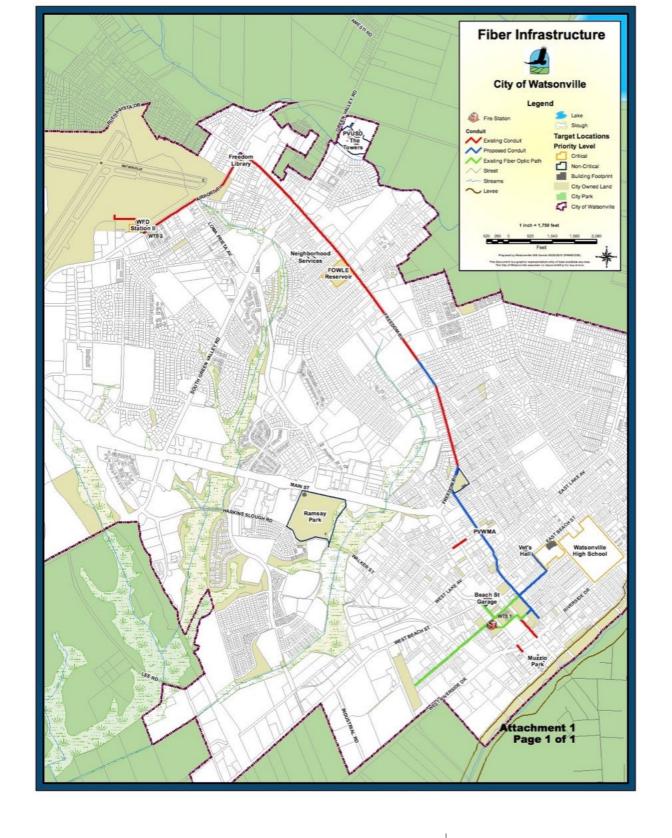
City of Santa Cruz pursuing FTTH with Cruzio

Update?



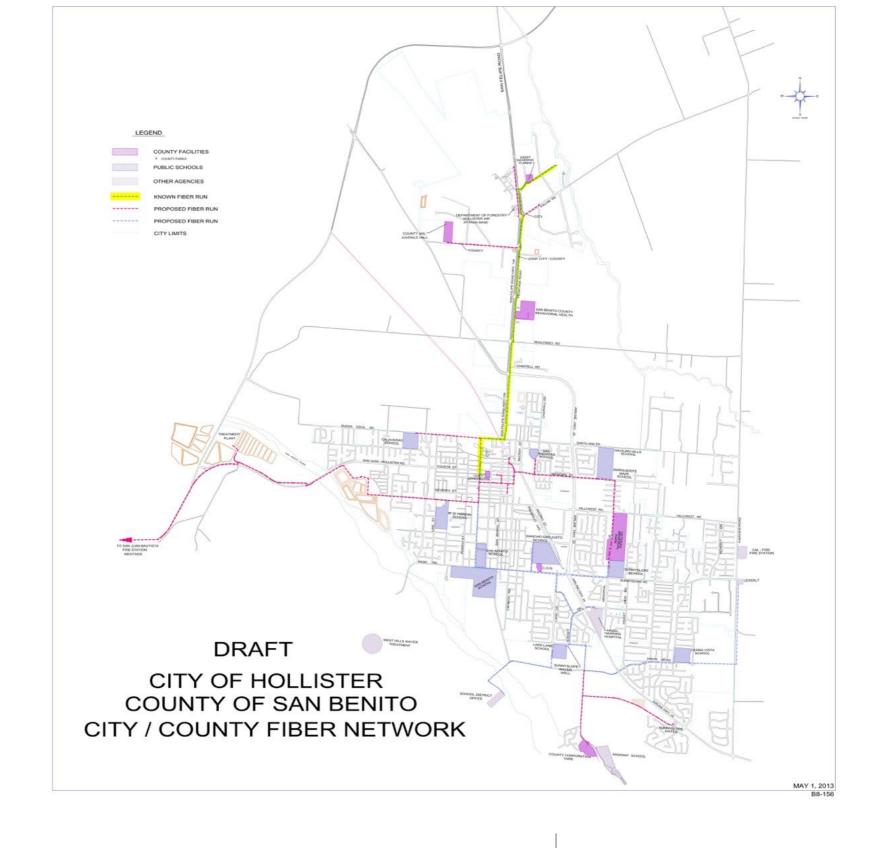
Santa Cruz County fiber development plan

Targets key economic development areas



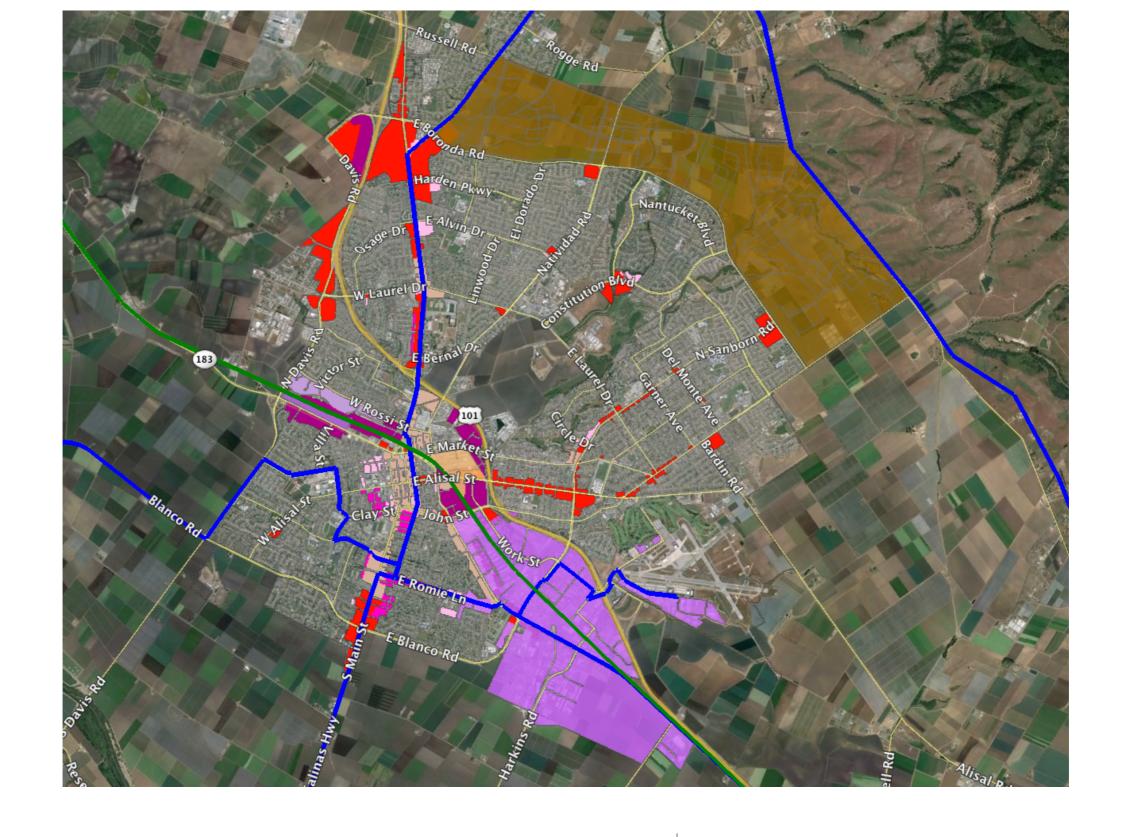
Watsonville dark fiber network

Update?



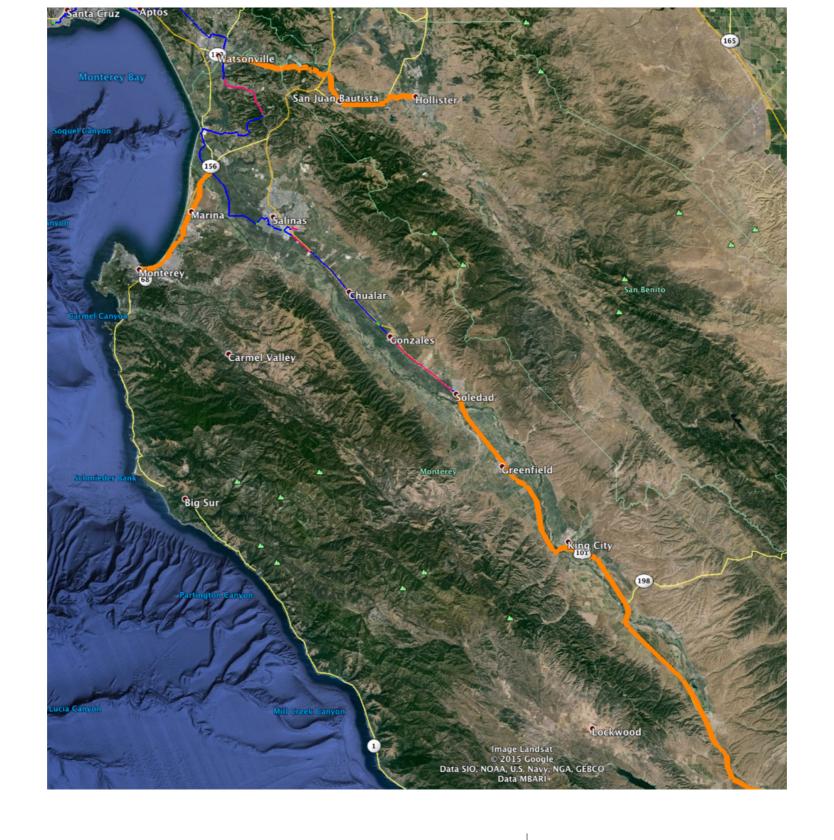
Hollister dark fiber network

Completed



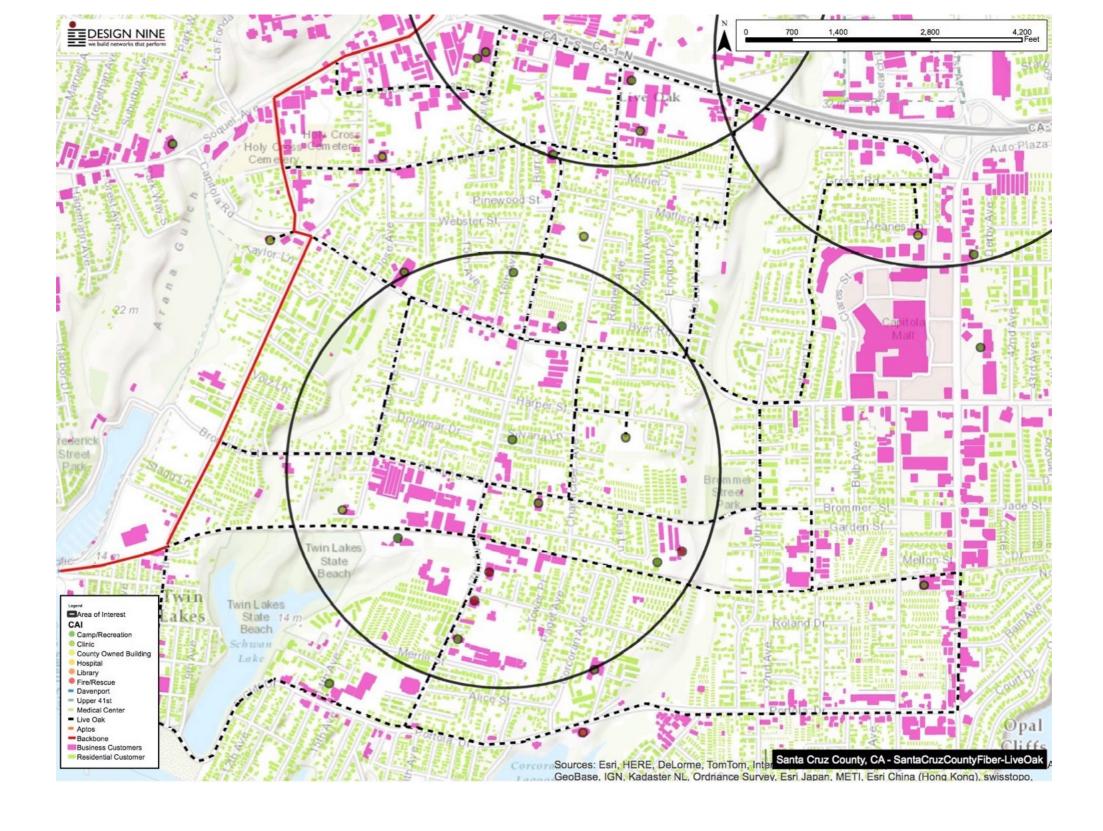
Salinas developing downtown, Ag Tech Corridor

Leverages existing and planned fiber networks



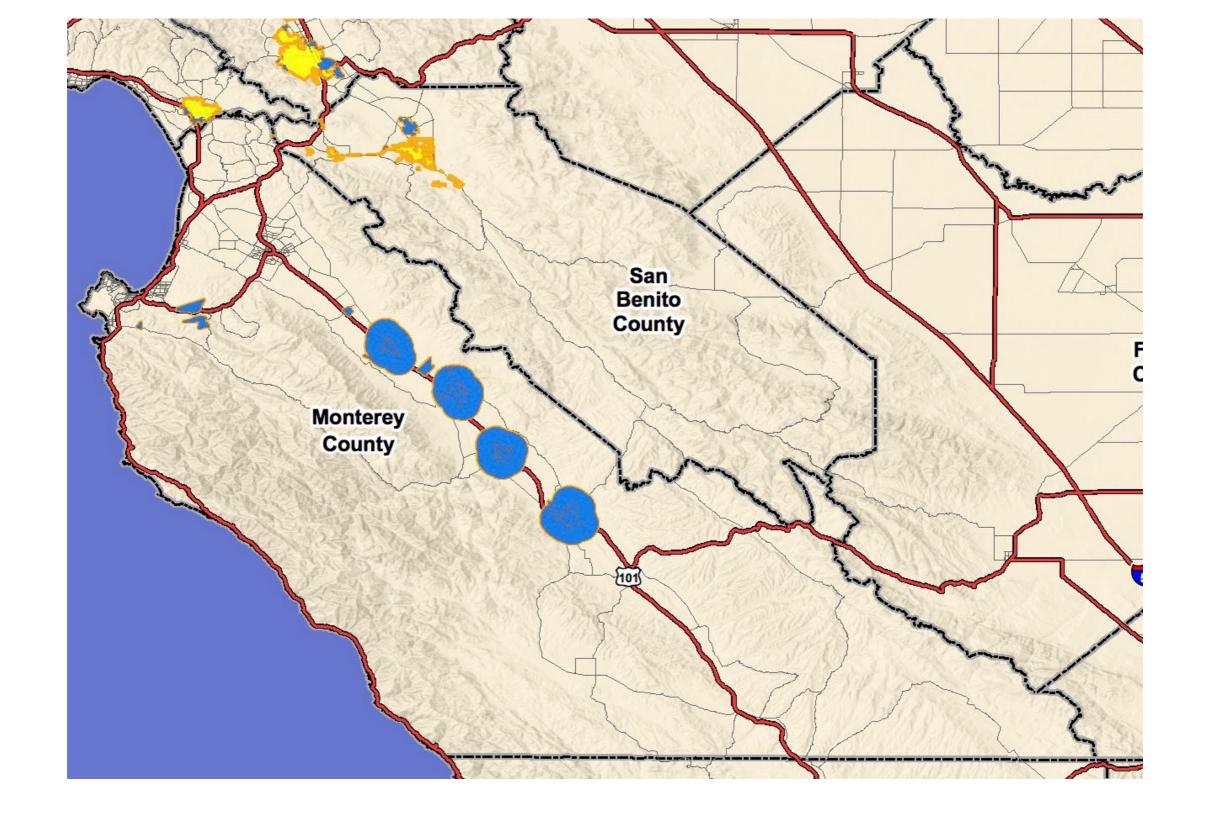
Extend Sunesys to King City, SLO, Hollister & Monterey

Conceptual but current project shows feasibility



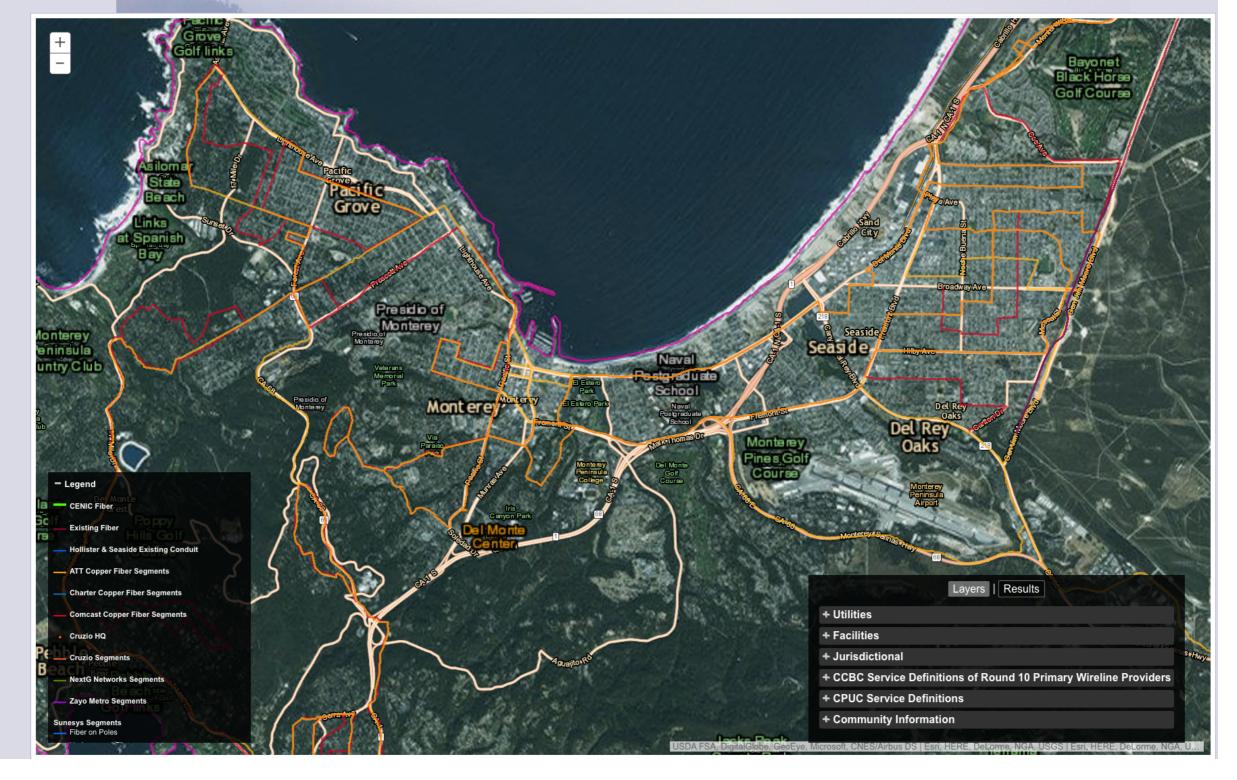
Extend FTTH beyond Santa Cruz city limits

But first demonstrate success in city?



Force Charter to upgrade analog cable systems

Gonzales has joined CPUC case as a party



CCBC website shows more details

Includes detailed fiber survey

Broadband Policy Package



- Single resolution to implement policy package
- Can be trimmed or expanded
- Includes staff report boilerplate
- Summarises dig once, master lease, encroachment permit process
- General policy statement regarding broadband infrastructure investment

Master plan

Sets out general policy and principles

- Requires telecommunications conduit in any excavation in public right of way, subject to exceptions and exemptions
- Based on Santa Cruz policy (city and county)
- Assumes local agency will install and bear incremental cost (San Francisco model)
- Can be adapted to a coordination and notification process for private placement (Berkeley model)
- Makes public works director responsible for implementation and standards
- White House endorsed dig once, handed off to DOT

Dig once

Separate ordinance, with examples

- Sets standard terms for leasing city/county property
- Includes towers, poles, buildings and other structures
- Sets out permitted uses, limited to telecoms purposes
- Permits, zoning compliance, etc. still required and lessee's responsibility
- Specific details, such as rental rates, added as necessary

Master lease

Modelled on Santa Cruz policy

- Telecommunications projects in public right of way subject only to encroachment permit process, with exceptions
- Recognises that construction of certain types of structures may require additional review
- No planning approval needed
- Subject only to "time, place and manner" conditions

Streamlined encroachment permit process

Intended to lower project costs and time

- Simple directive from city manager and/or public works director to include conduit in all city (or county) projects
- Can include planned road maintenance, water and sewer facilities, utility undergrounding among other projects
- Logged into GIS system
- City of Watsonville has done it informally
- City of Salinas implemented SOP three years ago
 - 16,000 feet of conduit already installed
 - 108,000 feet more already planned

Shadow conduit SOP

Public works department staff policy and practice

Issues?

Ideas?

Discussion What do we need to do?

Back up slides



Social/economic impact and feasibility

- Number of people
- Eligible percentage of community
- Population density
- Anchor institutions
- Median income

CPUC and census data only

Lower household income ranked higher

Community	Population	Households	Housing units	Anchor institutions	Area (sq mi)	Household Income
Greenfield	16,330	3,460	3,752	14	2.1	\$55,591
King City	12,874	3,008	3,218	19	4.0	\$49,747
Gonzales	8,187	1,906	1,989	7	1.9	\$55,251
Soledad	25,738	3,664	3,876	21	4.6	\$43,796
Castroville CDP	6,481	1,470	1,539	7	1.1	\$53,154
Aromas CDP & area	3,596	1,242	1,312	3	18.6	\$62,446
Chualar CDP	1,190	245	251	1	0.6	\$65,771
Pleasure Point CDP	5,924	2,689	3,131	1	2.0	\$52,693
Twin Lakes CDP	4,917	2,223	2,741	7	1.2	\$51,028
Airport/Northeast	2,768	895	954	2	38.7	\$77,175
Soquel CDP	9,644	3,912	4,1 07	5	4.6	\$76,472
Cienega Road area	173	58	59	0	1.5	\$64,659
Brookdale CDP	1,991	806	912		3.9	\$84,965
	99,813	25,578	27,841	87	85.0	

Rankings done by county and regionally

Posted as a workshop on Civinomics.com

- Southern extension Soledad to King City and beyond
- San Benito spur connect Sunesys route to Hollister network and beyond
- Monterey spur uses TAMC rail corridor to connect to Sunesys route
- Charter upgrade City of Gonzales is a party to CPUC proceeding reviewing Time Warner/Bright House deal
- Santa Cruz FTTH extension takes system beyond city limits into unincorporated areas

Projects on the drawing board

Mostly conceptual

Basic

Advanced

