Community Broadband Planning and Strategy

Joanne Hovis, President December 2020

ctc technology & energy

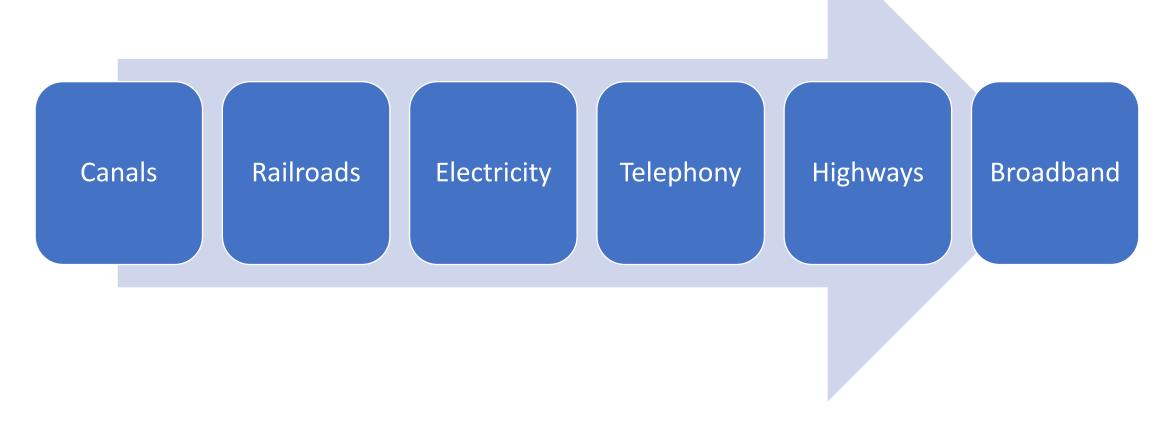
Agenda

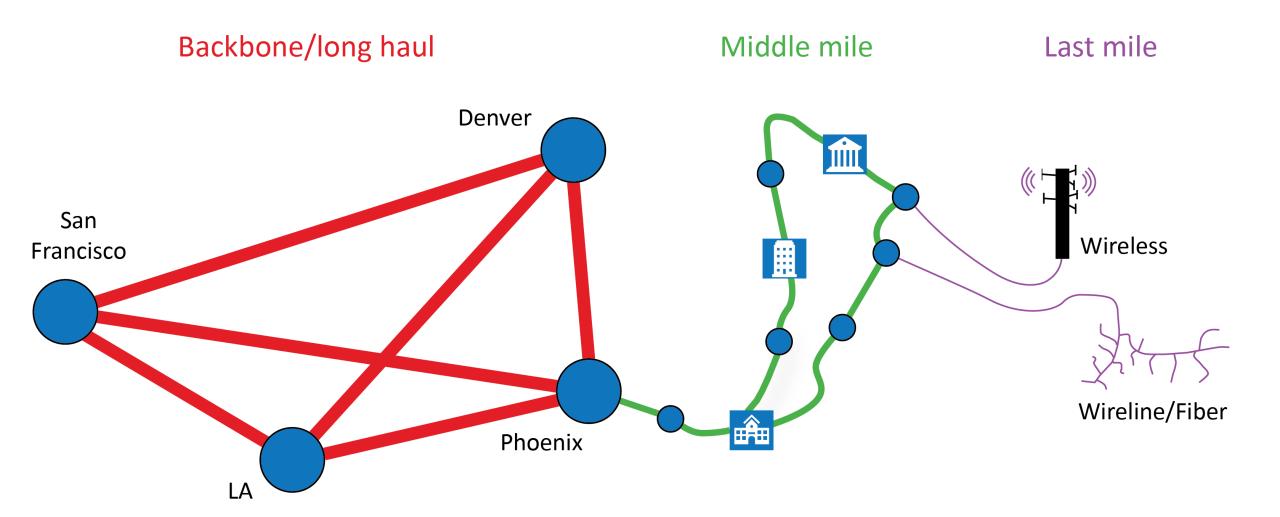
Technology

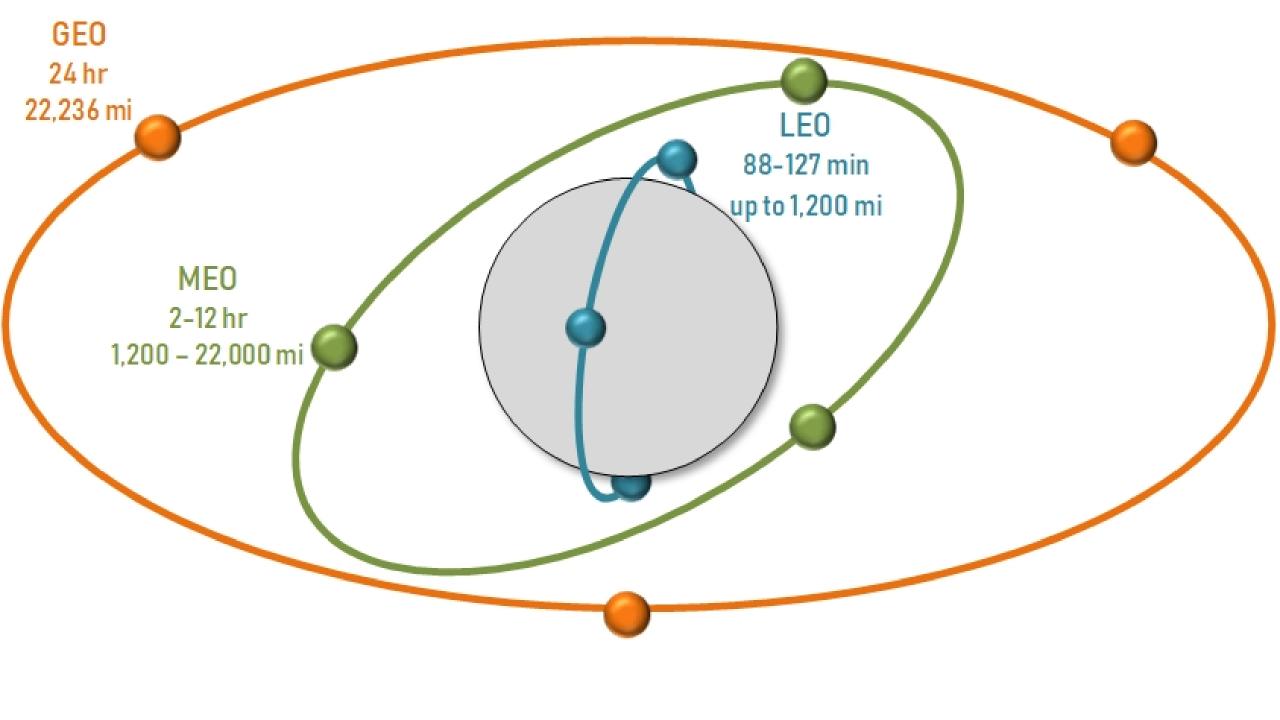
Process and planning

Best practices

Economic Foundations



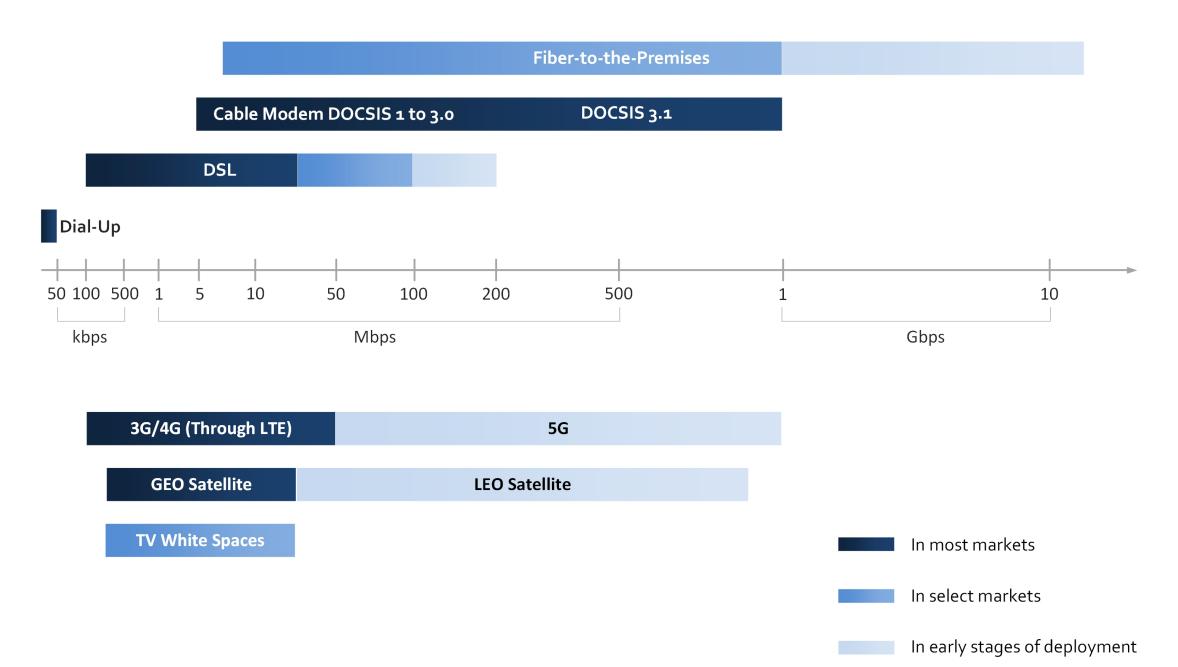




Satellite broadband: orbit and latency

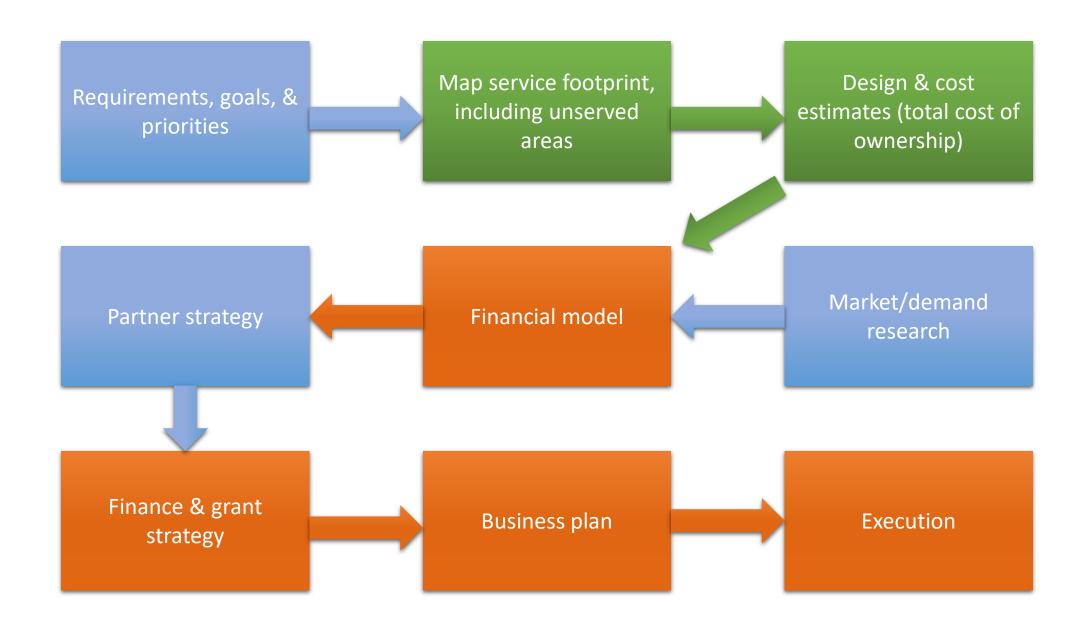
	Orbit	Broadband speed	Latency
GeostationaryHughesViasat	22,236 mi	2 to 30 Mbps downFar less up	600+ ms
Low earth orbitStarLink (SpaceX)TelesatProject Kuiper (Amazon)	up to 1,200 mi	?	25+ ms

Data Speed Capacity

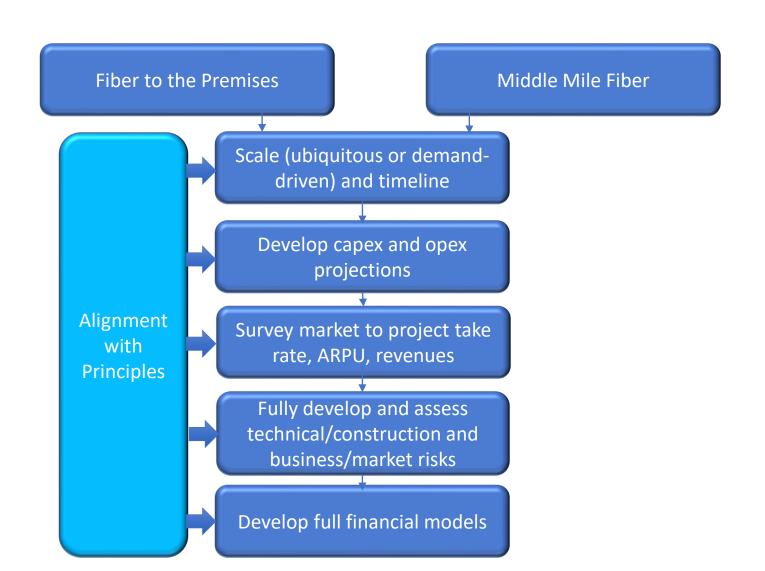


Minimum Time Required for Downloading and Uploading a 5 GB File

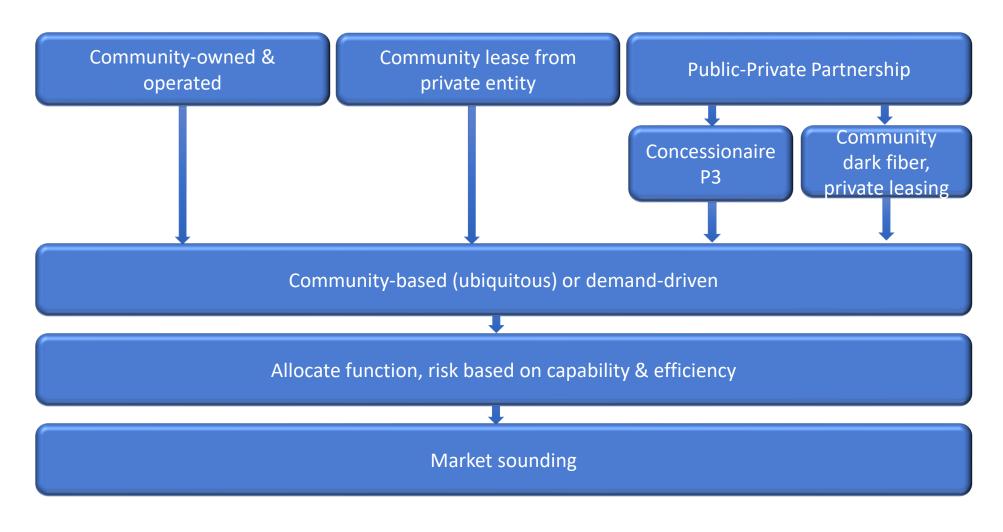




Rigorous process enables consideration of multiple solutions for technology, scale, phasing, timeline, & risk allocation



Rigorous process enables consideration of multiple arrangements



Broadband grants & funding opportunities

CARES Act funding

Federal and state distribution

Federal grants

- US Department of Agriculture
- US Department of Commerce

State grant programs

FCC funding programs

- E-rate, Lifeline, Health Care Connect
- Rural Digital Opportunities Fund

THE EMERGING WORLD of BROADBAND PUBLIC-PRIVATE PARTNERSHIPS A BUSINESS STRATEGY and LEGAL GUIDE

Joanne Hovis and Marc Schulhof Jim Baller and Ashley Stelfox Coalition for Local Internet Choice



May 2017



GIGABIT COMMUNITIES

Technical Strategies for Facilitating Public or Private Broadband Construction in Your Community

