

A Brighter Future for Colorado through Broadband



Our vision for a brighter future for Colorado . . . affordable broadband connectivity – at school, at work, at home

With Affordable Broadband . . .



Top-notch learning opportunities – for a skilled and competitive workforce



A vibrant business community – for a strong and growing economy



Leading-edge community services – for better healthcare and public safety



A desirable place to live – with access to the best life has to offer

Without Affordable Broadband . . .



Our children struggle – unable to keep pace with the rest of the world and unprepared to compete in the workplace



Our economy weakens – as businesses die or move to areas with better infrastructure and a skilled workforce



Our residents suffer – from outdated and insufficient healthcare and public services



Our rural communities become ghost towns – as residents seek a better life elsewhere

EAGLE-Net

Educational Access Gateway

Learning Environment Network



THE MISSION

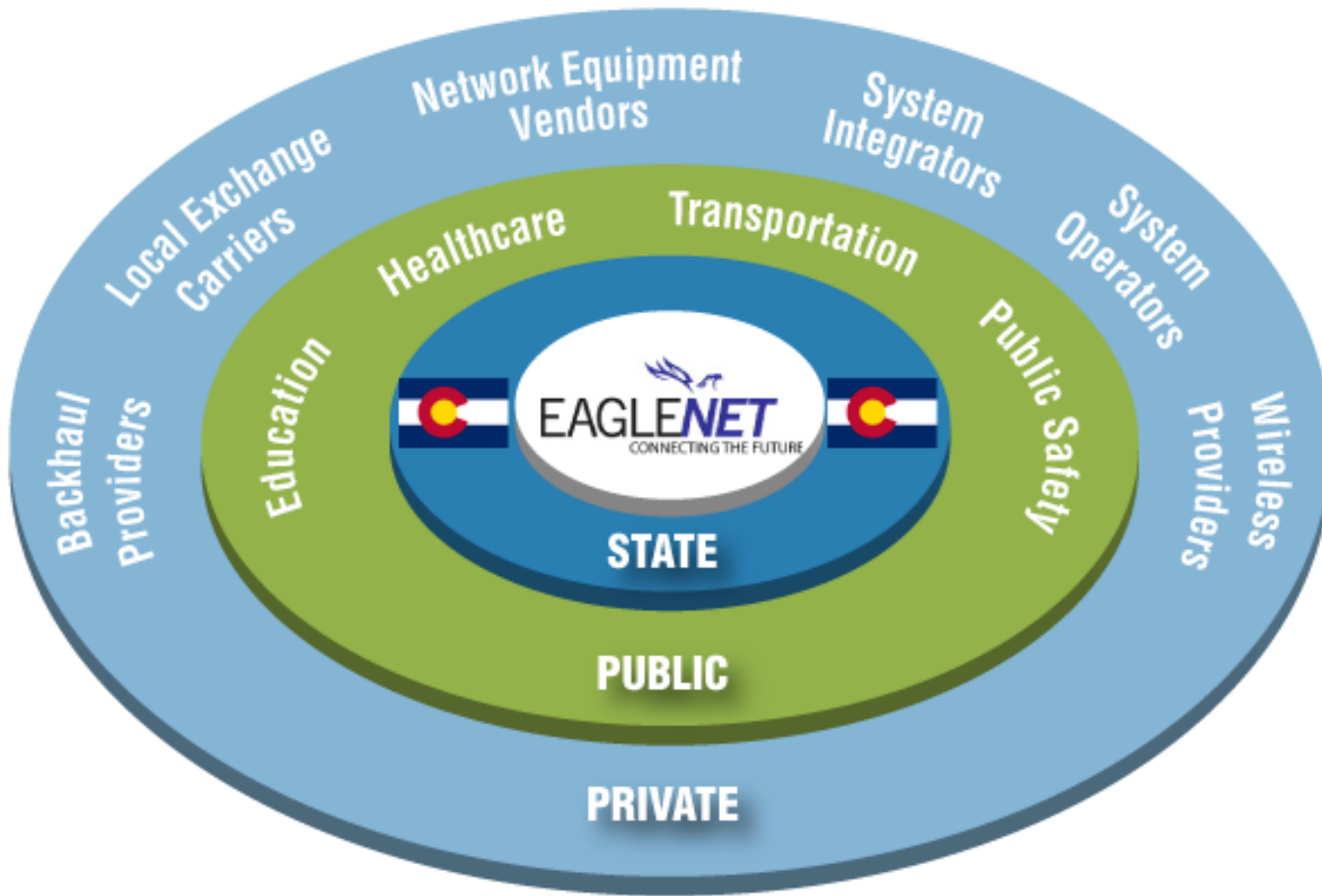


Enabling access in Colorado for technology-rich, quality education via broadband network services, advanced applications, and Internet2 connectivity.

EAGLE-Net is a statewide cost-sharing, non-profit consortium for high-speed broadband connectivity for:

- K-12 Schools
- Public Libraries
- BOCES
- Community Colleges
- Higher Education
- Museums
- Housing Authorities
- Fire
- Public Safety
- Healthcare
- Cities and Towns
- Counties
- Other Non-profits

EAGLE-Net is a public/private/state collaborative partnership



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Public Partners

Education, Healthcare, Libraries, Local Government, Museums, Housing Authorities, Public Safety, Regional Optical Networks (RONs), and Non-Profits

Private Partners

Backhaul Providers, Cable Operators, Independent Local Exchange Carriers (ILECs), Cellular Local Exchange Carriers (CLECs), Rural Local Exchange Carriers (RLECs), Network Equipment Vendors, System Integrators, Systems Operators, Wireless Providers

State Partners

Colorado Department of Education (CDE), Labor and Employment (CDLE), Public Safety, Office of Information Technology (OIT), Transportation (CDOT), State Internet Portal Authority (SIPA), and Colorado Regional Health Information Organization (CORHIO)

Colorado ranks 42nd out of 50 states in broadband connectivity

THE NEED



- Schools in Colorado average 3.5kbps of Internet bandwidth per student, ***approximately 55% of the national average.***
- According to a National Digital Schools survey, the need for Broadband connectivity in schools ***will increase 700% by 2011.***
- Broadband service in Colorado ***costs 10x that of states to the east and west.***

Students – in fact all Colorado organizations, businesses, and residents – are at a clear disadvantage.

Colorado received less than .11% of Round 1 broadband funding, all as loans

THE NEED



- The Recovery Act provides **a total of \$7.2 billion** in 2 rounds of funding.
- No grants focused on **middle mile infrastructure in Colorado** were awarded in Round 1.
- The West received **51% of total loans awarded** and **21% of the grants awarded.**

(Data current as of 3/1/10)

Continuous funds to build broadband access where economic forces aren't sufficient to encourage private investment – time for Colorado to receive a fair share.



The EAGLE-Net grant application will enable affordable broadband across Colorado

THE PLAN

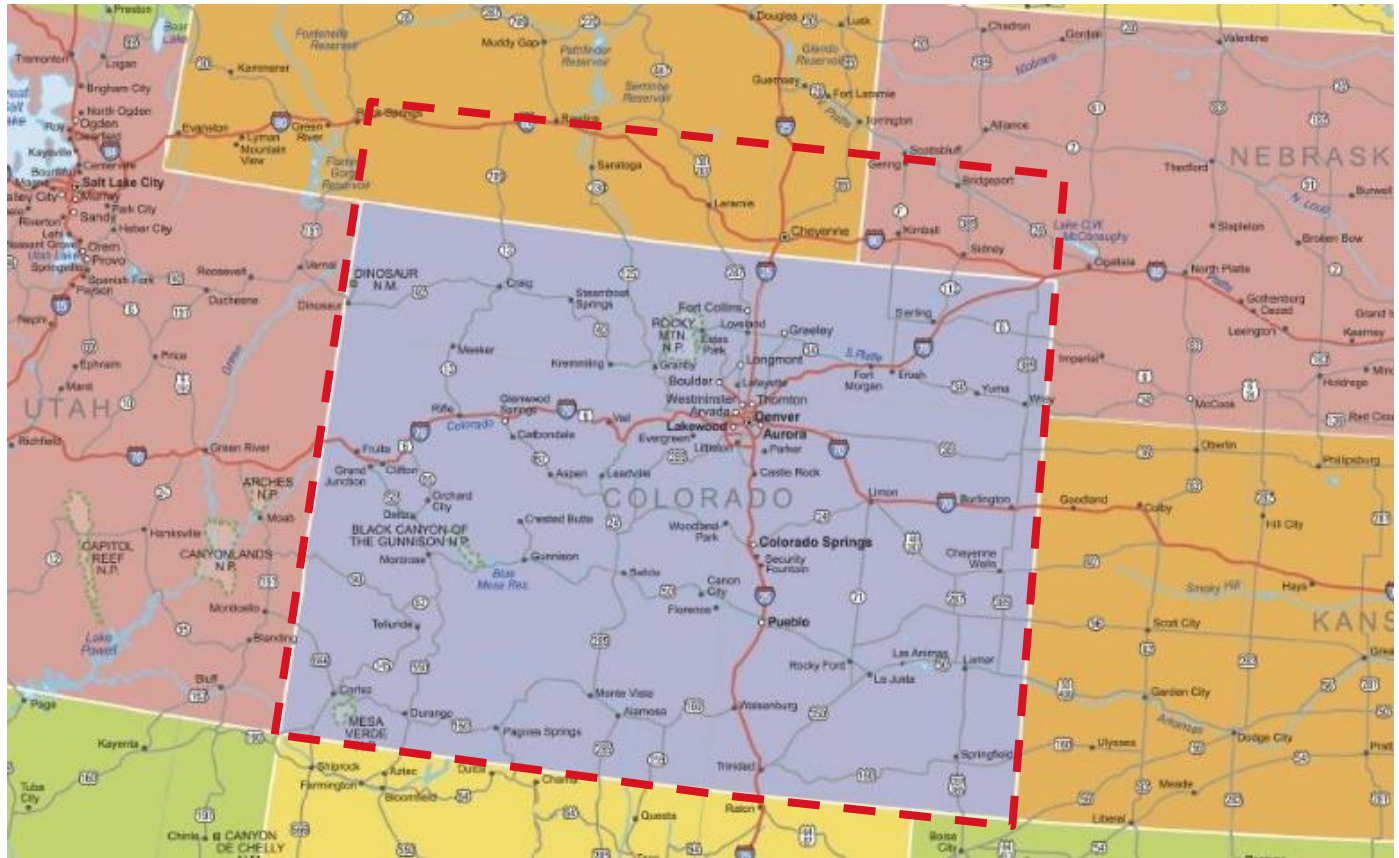


- Connect all 178 K12 school districts, serving over 2,000 schools and 800,000 students
- 15 community colleges
- 26 libraries
- 12 BOCES
- 3 higher education institutions
- Provides Internet, Internet2, and wholesale capacity to 234 community anchor institutions
- Expands service to 4,000 additional community anchor locations

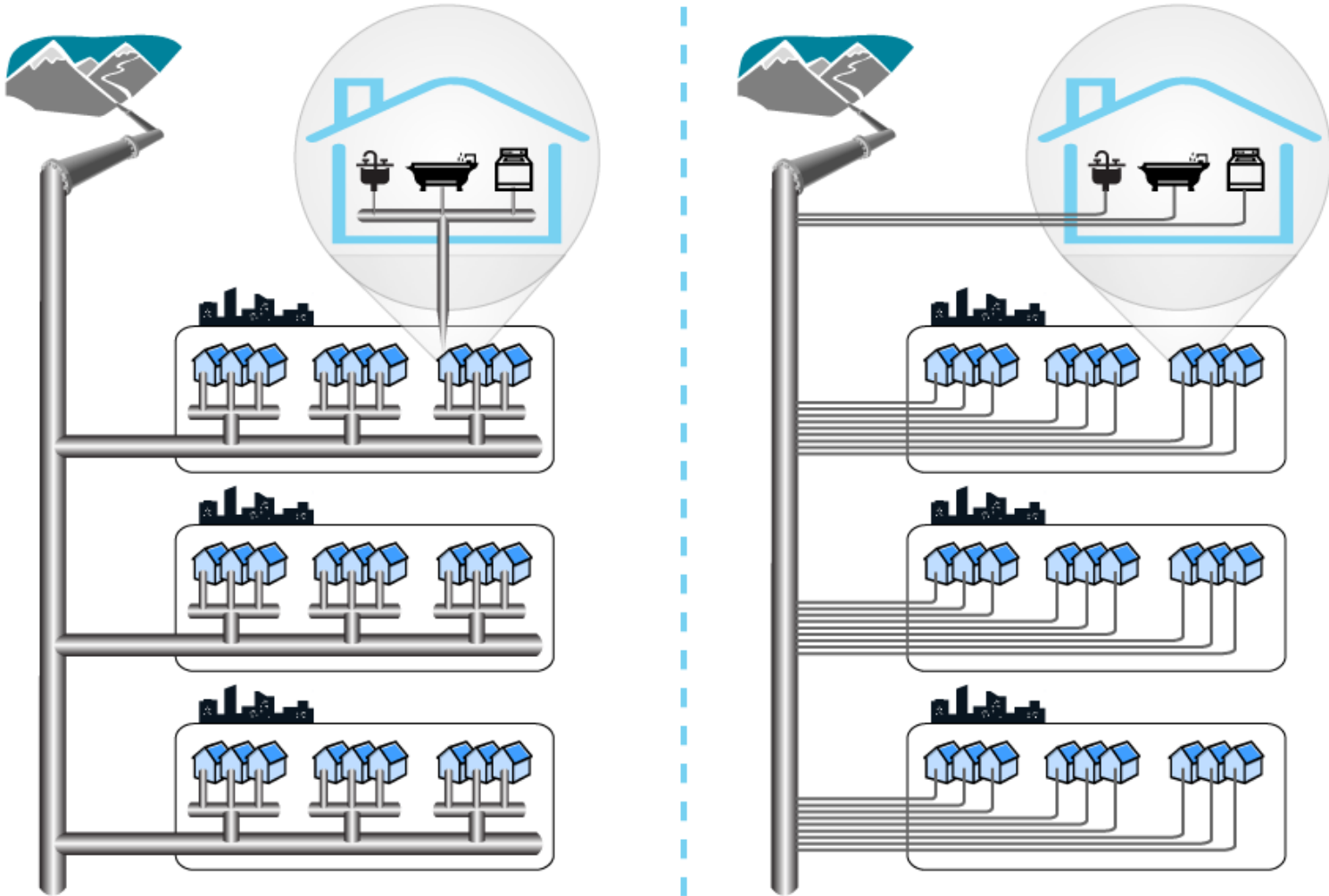
The EAGLE-Net project proposes to invest up to \$150M in the broadband infrastructure of the state of Colorado.

Our EAGLE-Net coverage area is multi-state

THE PLAN



Aggregation of Broadband Reduces Costs and Improves Efficiency



The EAGLE-Net proposed model is in use and has proven to be sustainable

THE PLAN



- Leverage cost of bandwidth
- Reduce duplication of resources across the state
- Develop partnerships

Sustainability can be achieved at a lower TCO by a not-for-profit – we can aggregate demand and implement cost-sharing programs to leverage buying power for advanced service offerings.

Best practices

THE SOLUTION



- We created a **public-private partnership**, including companies such as Adesta, BNI, Conterra, IBM, Level 3, Qwest, rural local exchange carriers, cable operators, and wireless providers.
- Combined, these companies have **over 200 years of experience** constructing, operating, and maintaining carrier class national telecommunications networks.
- Local partners meet unique community needs.
- Adheres to Nondiscrimination and Interconnection Policies contained in the Federal Communication Commission's broadband policy statement.

Without your support, Colorado will not receive a fair share of the broadband funds to support our future.

The EAGLE-Net solution will deliver a broadband infrastructure

THE BENEFITS



- Community Anchors will be offered an initial 20Mbps – 1Gbps, with ***growth capacity to 10Gbps and higher.***
- EAGLE-Net will ***enhance services for education, research, healthcare delivery, workforce development, and public safety.***
- Wholesale services are expected to stimulate the offering of ***affordable broadband access for more than 1.6 million households and more than 50,000 businesses.***

Our statewide broadband initiative will enable a brighter future for Colorado!

Resources

- Consortium for School Networking K-12 Broadband Knowledge Center www.cosn.org
- State Educational Technology Directors Association www.setda.org
- Broadband USA Site for Broadband Stimulus information www.broadbandusa.gov
- National Broadband Plan www.broadband.gov
- IBM www.ibm.com/smarterplanet/us/en/government/ideas
- The National Education Technology Plan <http://www.ed.gov/technology/netp-2010>
- National Association of Telecommunications Officers and Advisors www.natoa.org
- Schools, Health and Libraries Broadband Coalition www.shlbc.org
- EAGLE-Net www.co-eaglenet.net

Contact us for more information

ACT NOW



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