

Broadband Presentation for the Nevada State Joint Committee on Growth and Infrastructure

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COX



An Introduction to Cox

Cox and its Family of Businesses



Cox Communications



Cox Automotive



Cleantech

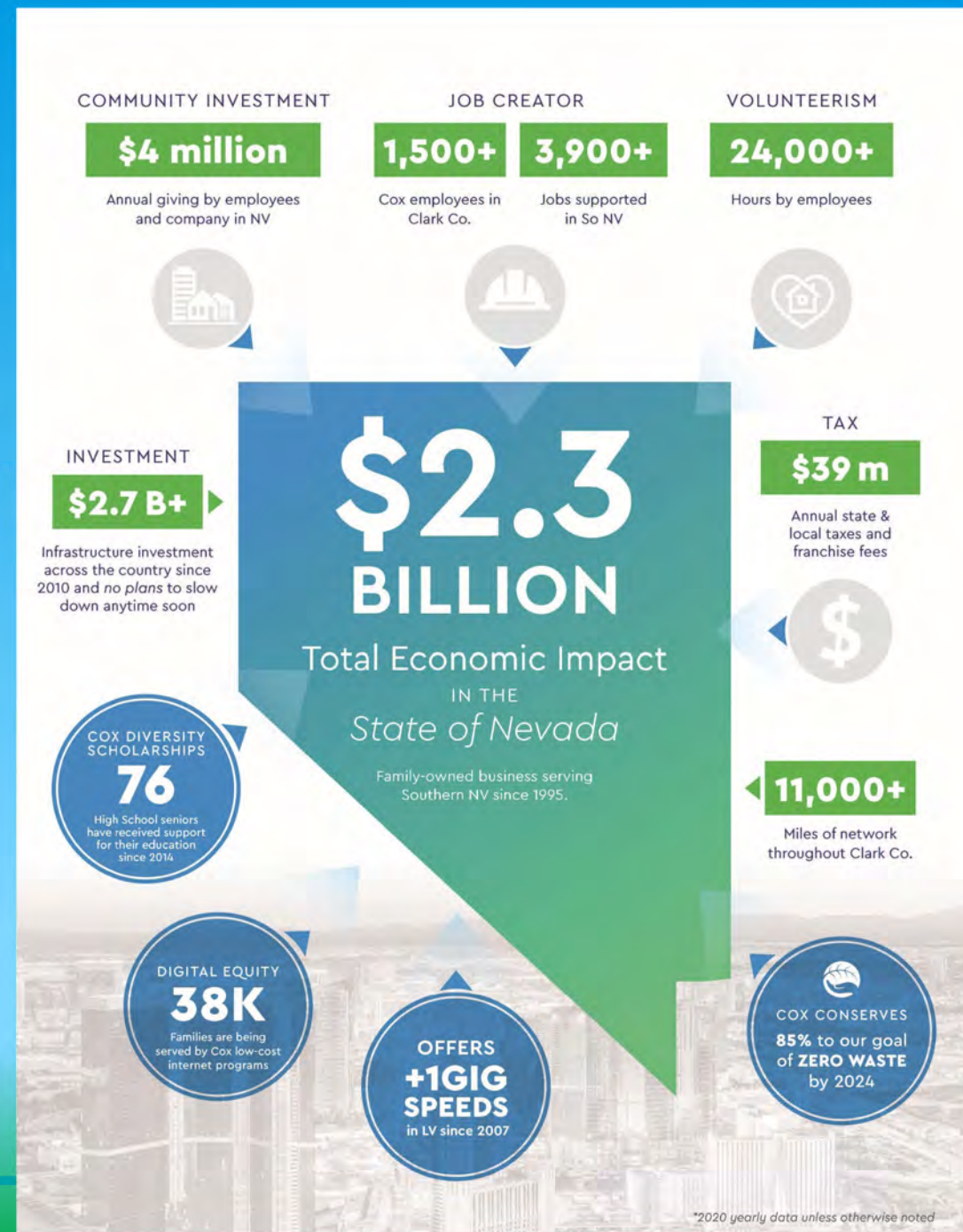
Cox's Economic Impact

2020 – 2021

Economic Impact Study

prepared by

Applied Analysis





Cox Road to 10G

2021

2023

2025

Ramp and Scale Node
Actions

Mid-Split OFDMA

High-Split / Initiate
Network Build to 1.8GhzVirtual CMTS and D4.0
LaunchUltra High Split / All-IP
Network

2021



10G

OFDMA Launch and
Downstream Expansion

Segmentable RPDs (2x2)

Extended Spectrum DOCSIS
(ESD) / DOCSIS 4.0 TrialsFlexible Remote MAC/PHY
Architecture

State of the Network (2021)

Enables services tiers up to
1G/35Mbps

Mid-Split

Expands US RF spectrum
enabling service tiers up to
1G/100Mbps

High-Split

Enables **1G/1G** Gig Symmetry

D4.0 (1.8 GHz)

Enables Multi – Gig Services
by delivering roughly
2x capacity on the same HFC
network

Ultra High-Split

Enables **D4.0 and 10G**
with Multi-gig symmetrical
services

Cox Conserves

5-Year Strategic Plan

Carbon Neutral Goal
accelerated to 2034 (from 2044)

Water Neutral Goal
accelerated to 2034 (from 2044)

Zero Waste to Landfill
Goal remains 2024

COX CONSERVES

5-Year Strategic Plan

SEPTEMBER 2020

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Create positive environmental change in our communities by operating in ways that
reduce our impact and inspire our employees, customers, suppliers and partners.

Mission:

Reduce Cox's environmental footprint to zero (or negative/restorative) and influence
others to leave the world a better place through our example and innovations.

evaluated in the Benchmarking analysis.

This budget is largely Capex although there is some Opex requirements such as renewable energy
procurement (incremental additional cost above standard electricity from coal or natural gas), funding for
water and waste partnerships and software improvements for data collection, analysis, and reporting.
Notably, the proposed strategy does not require additional headcount for Cox Conserves.

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Cox's Commitment

COX IS COMMITTED TO CONNECTING PEOPLE AND COMMUNITIES

We know a fast, reliable internet connection is essential. We share your goal of ensuring our neighbors have access to robust broadband networks.

Whether you're considering solutions to increase broadband access and adoption, or looking to build a smarter, more efficient community, we're your trusted partner.

Connecting Community Members in Need

Most people are already served by network infrastructure and can connect to the internet. We support adoption efforts to help connect those families in need. **We can partner**

- Connect2Compete, our affordable Internet product for low-income families
- Bulk Accounts
- ConnectAssist, our affordable internet product for those receiving govt subsidies
- Tech Centers/Innovation Labs
- Cox Digital Academy
- Utility Assistance Services

Commitment in Action

- 3rd largest cable provider in the U.S.
- \$15B network investments over 10 years across the United States
- \$10B investment committed over next 5 years
- Since 2012 connected over 886,000 people to low-cost internet

Affordability & Digital Equity Programs

Our company has made it clear: we won't hesitate to raise our hands and participate in federal programs that help ensure digital equity in our communities. Here are some of the ways we're working to get people connected.

	Connect2Compete	ConnectAssist	Special Payment Program
Description	Cox sponsored program providing low-cost internet to families with children K-12 receiving government assistance.	Cox sponsored affordable internet for low-income individuals receiving government assistance	Cox sponsored program that allows schools, businesses or other organizations to pay for residential internet services.
Cost & Billing	<ul style="list-style-type: none"> • \$9.95/month • Free upgrade to 100mbps • Free wifi modem rental • Free installation • Customers pay Cox directly <p><i>Note: Schools or other organizations can pay Cox directly on behalf of group of students through the Special Payment Program</i></p>	<ul style="list-style-type: none"> • \$30/month (with wifi modem rental) + taxes • Free upgrade to 100mbps • Free self installation • \$20 professional install (if needed) • Customers pay Cox directly <p><i>Note: Schools or other organizations can pay Cox directly on behalf of qualified individuals or families through the Special Payment Program</i></p>	<p>Organizations can subsidize up to 100% towards monthly service</p> <ul style="list-style-type: none"> • Must include at least 25 participants • Payor defines benefit amount they will pay for each participant • Payor sends one payment to Cox each month • Can apply to any Cox Residential Service Tier
Features	<ul style="list-style-type: none"> • Access to over 3M+ Cox Hotspots nationwide • Cox Security Suite – online safety software tools • Access to the Cox Digital Academy, which provides educational resources 	<ul style="list-style-type: none"> • Access to over 3M+ Cox Hotspots nationwide • Cox Security Suite – online safety software tools • Access to the Cox Digital Academy, which provides educational resources 	<ul style="list-style-type: none"> • Access to over 3M+ Cox Hotspots nationwide for specific internet tiers
Qualifications	Must have a child in K-12 at home and participate in one of the following government subsidy programs (National School Lunch, SNAP, TANF, Head Start, WIC, Low Income Home Energy Assistance Program (LIHEAP), Public Housing	Must participate in one of the following government subsidy programs National School Lunch, SNAP, TANF, Head Start, WIC, Low Income Home Energy Assistance Program (LIHEAP), Public Housing, Pell Grant, Veterans Pension, Tribal Programs, Medicaid, Supplemental Security Income (SSI)	Eligible households must be identified by the payor directly
URL	cox.com/c2c	https://www.cox.com/residential/internet/low-cost-internet-plans.html	cox.com/caresact



Cox's Approach to "Bridge the Digital Divide"



Families with K-12 children

Connected over 15,000 students to low-cost program
Connect2Compete over a two-month period during the 2020-2021 school year.



Households on Government Assistance

Stable pricing of 30/month @ 100mbps with no step ups and modem is included. Alignment with the American Connectivity Fund



Low-cost tools to connect

Partnership with PC's for People for affordable devices like laptops and desktops



Out of Home Wi-Fi Access

Free access to over 300 Wi-Fi hotspots across Clark County and up to 3.2 million nationwide.

Digital Literacy Training for Training Skills and Education

Cox Digital Academy: <https://www.cox.com/residential/internet/connect2compete/digital-academy.html>



Cox Digital Academy Has Free Resources

- Online Safety
- Internet Basics
- Education opportunities for children
- And much, much more

Cox Innovation Labs



- Helping to narrow the digital divide in Nevada, Cox has constructed **15 Innovation Labs** across Clark County at no cost to the community.
- Through partners like the Boys and Girls Clubs of So. Nevada, the Historic Westside School, and many others, Cox is investing in our community to provide access to the **internet, learn about robotics, 3-D printing, and acquire STEM skills.**
- Through the **Cox Innovation Labs** both students and adults can access career-changing programs and online courses that are taught at the labs

Become a Digital Equity Champion

[Cox's new partner portal](#) is a one-stop destination to educate and engage organizations who want to work alongside Cox to champion **digital equity** for low-income families.

Organizations interested in partnering with Cox can join the mission by registering on the portal. Playbooks, case studies and details about how to get involved reside on the portal.

[Visit Cox.com/lowcostinternet](https://www.cox.com/lowcostinternet) for more information.



What can Nevada do?



Now is the Time

**ARPA & the Bipartisan
Infrastructure Bill has provided
Nevada a once in a lifetime chance!**

Q: How can the Nevada Legislature
make a generational impact on the
future of Nevada?

A: Through smart investment and
strategic partnerships.

Investing in Broadband

Network Extension



Expanding to
Unserved/
Underserved
Areas

Household Subsidies



Ensuring Fully-
Subsidized
Connectivity for
Nevada
Households

Web-Enabled Technology



Ensuring Devices to
Access Broadband
Internet

What is Nevada Trying to Achieve?

Expand Broadband Infrastructure



- Leverage Federal Funding Opportunities
- Expand broadband coverage to the unserved/underserved

Bridge Digital Divide Diverse Suppliers



- Serve all segments of the community
- Increase adoption through targeted programs
- Commitment to utilize Diverse Suppliers

Become Global Smart City Leader



- Improve city operations
reduce costs, revenue
- Quality of life (residents, businesses, visitors)
- Invest in water, lighting, and parking infrastructure

Adoption: Partnering with your trusted provider

Whether you're considering solutions to increase broadband access and adoption or looking to build a smarter, more efficient community, Cox wants to be your **trusted partner**.

Connecting Families in Need

Most people are already served by network infrastructure and have the ability to connect to the internet. Cox supports adoption efforts to help connect those families in-need. We can partner.

- Connect2Compete, and other affordable internet programs.
 - Help Cox and other providers spread the word on these programs. Partner with Nevada agencies such as DETR to identify families who qualify. Let's Connect Them!
- Use Federal Funds to connect the unserved.
 - Now is the chance to fund broadband projects to rural communities who are desperate for better broadband service.