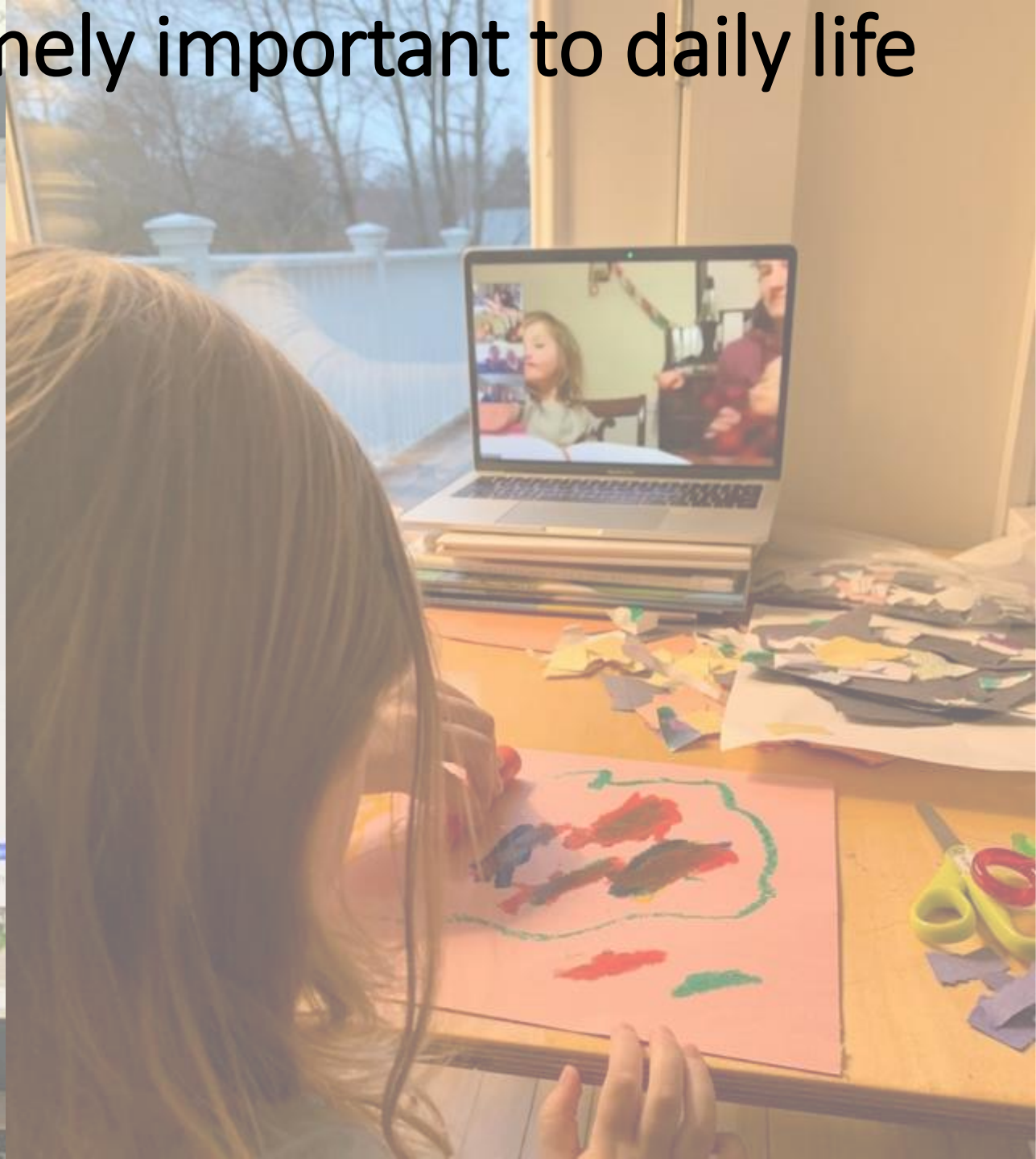


Broadband Basics

- Down/up measured in Mbps, up is often the limiting factor
- Speed isn't only measure - quality is as important for many uses
- Different ways of getting service – Fiber, DSL, cable, wireless, satellite
 - Fiber has the highest quality of service and low maintenance costs
 - Fiber is being deployed today and has been for 40 years
- Competitive marketplace and not a regulated monopoly like telephone service
- Achieving desired outcomes with private investment and public subsidies is best done through public-private partnerships

Access to internet is extremely important to daily life



Small businesses depend on high speed internet to stay open and create jobs



Public entities are meeting remotely



Select Board 09/15/2020

50 views · Streamed live on Sep 15, 2020

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Town of Camden Maine
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Maine Municipal Association

60 COMMUNITY DRIVE
AUGUSTA, MAINE 04330-9486
(207) 623-8428
www.memun.org

Remote Participation by Members of Public Bodies Survey

Maine Climate Council

Date: November 12, 2020

Time: 9:00 AM - 12:00 PM

Location: Virtual meeting (details in agenda)

Contact Name: Cassandra Rose, PhD

Contact Phone: 207-624-7487

Register in advance for this webinar: <https://zoom.us/webinar/register/WNc5ZMi2ceTT2RCdzcG6ohQ>

The draft climate action plan and implementation chart are available for download at <https://climatecouncil.maine.gov/reports>

After registration you will receive an email with details about joining the meeting.

Related Documents

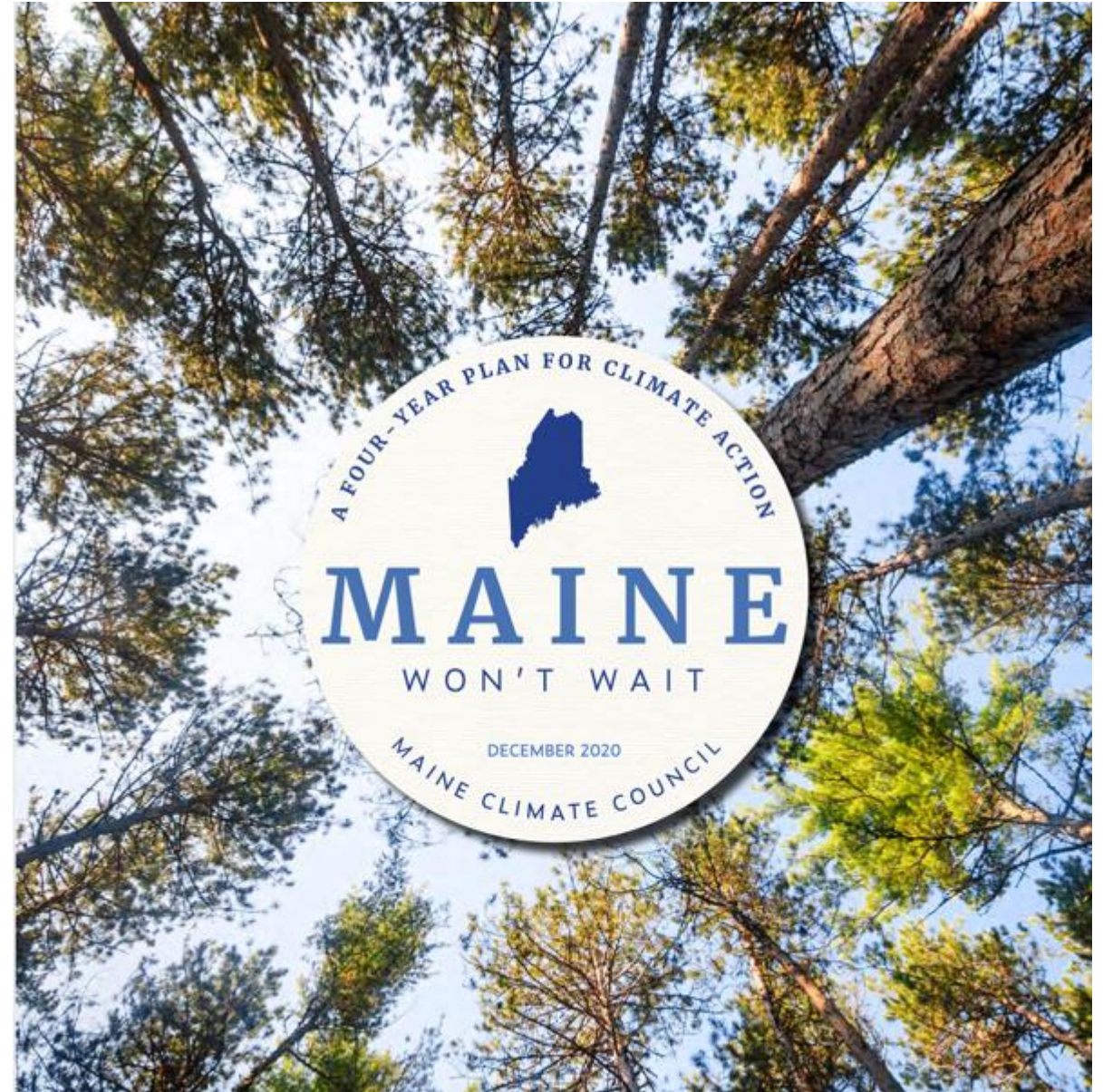
- [Maine Climate Council Nov 12 2020 Meeting Agenda \(PDF\)](#)

TO SUSTAIN MAINE'S PEOPLE

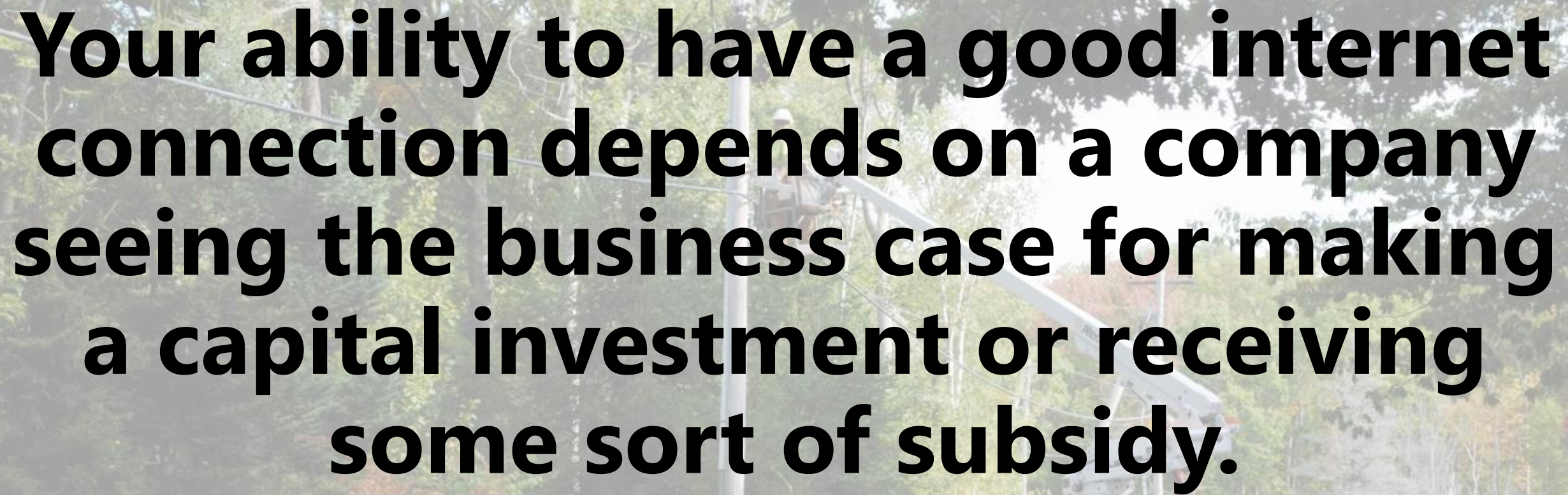
INTERNET ACCESS: Ensure every Mainer has a high-quality internet connection to support economic development, remote work, distance education, telehealth, and meaningful community connections:

- Convene public, private, and philanthropic stakeholders to map, prioritize, and complete program design for universal broadband
- Advance digital equity and inclusion by increasing access to broadband, computers, mobile devices, and expanded digital literacy training for historically underserved individuals and communities.

GOVERNOR'S ECONOMIC RECOVERY COMMITTEE



Your ability to have a good internet connection depends on a company seeing the business case for making a capital investment or receiving some sort of subsidy.

A utility truck with a bucket lift is driving on a road. A worker is visible on the bucket lift. The background shows trees and a road sign.

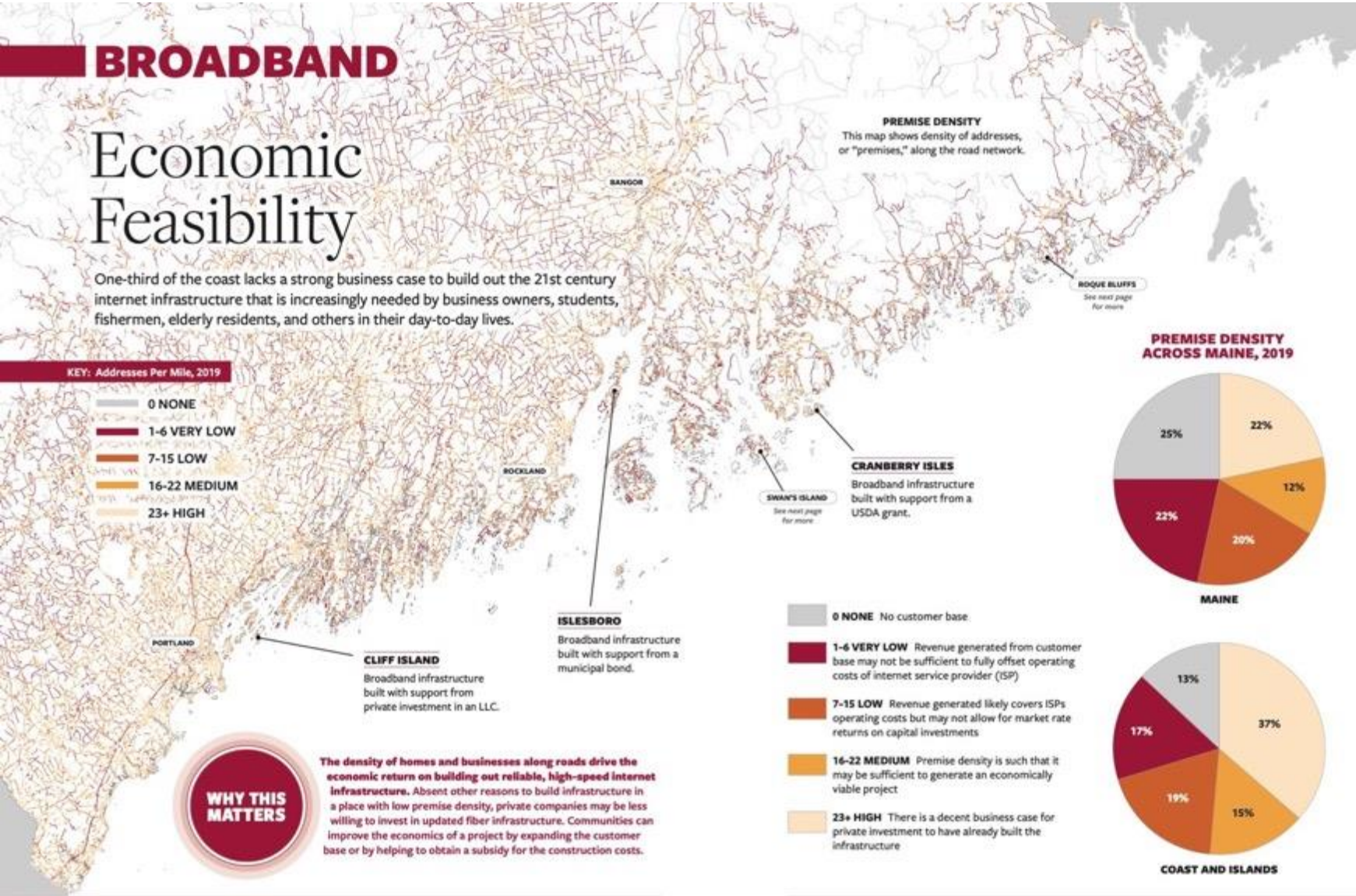
BROADBAND

Economic Feasibility

One-third of the coast lacks a strong business case to build out the 21st century internet infrastructure that is increasingly needed by business owners, students, fishermen, elderly residents, and others in their day-to-day lives.

KEY: Addresses Per Mile, 2019

- 0 NONE
- 1-6 VERY LOW
- 7-15 LOW
- 16-22 MEDIUM
- 23+ HIGH

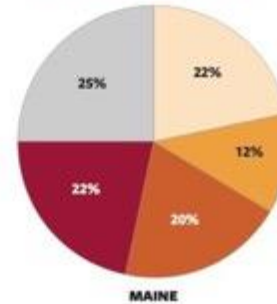


WHY THIS MATTERS

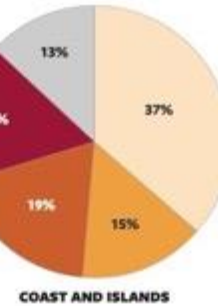
The density of homes and businesses along roads drive the economic return on building out reliable, high-speed internet infrastructure. Absent other reasons to build infrastructure in a place with low premise density, private companies may be less willing to invest in updated fiber infrastructure. Communities can improve the economics of a project by expanding the customer base or by helping to obtain a subsidy for the construction costs.

PREMISE DENSITY
This map shows density of addresses, or "premises," along the road network.

PREMISE DENSITY ACROSS MAINE, 2019



- 0 NONE** No customer base.
- 1-6 VERY LOW** Revenue generated from customer base may not be sufficient to fully offset operating costs of internet service provider (ISP)
- 7-15 LOW** Revenue generated likely covers ISPs operating costs but may not allow for market rate returns on capital investments
- 16-22 MEDIUM** Premise density is such that it may be sufficient to generate an economically viable project
- 23+ HIGH** There is a decent business case for private investment to have already built the infrastructure



BROADBAND

Main street may have decent coverage but those who live in more rural areas might not have access to broadband infrastructure.

Premises per mile that take service is the primary economic driver for capital investment.

Over 1/3 of the road miles in Maine likely lack a strong business case for broadband investment. This doesn't include all the logging roads with no houses on them

Community engagement is important. Maine's community planning process is nationally recognized as a model

- Supporting local and regional planning efforts. Planning helps communities define broadband goals and needs and identify projects for funding. Conversely, funding also can help give communities the capacity necessary to undertake a focused broadband planning effort. Some state grants require or incentivize planning. Maine's ConnectME Authority, for instance, provides grants to help municipalities and local and regional nonprofit organizations define community needs, understand existing assets in the community (such as poles and wireless towers that can support broadband deployment), and evaluate options for broadband service before initiating infrastructure projects. In states that do not provide planning support, a nonprofit or foundation partner may fill this role.

<https://www.pewtrusts.org/en/research-and-analysis/reports/2020/02/how-states-are-expanding-broadband-access>

How States Are Expanding Broadband Access

New research identifies tactics for connecting unserved communities

Andy Whitte/Getty Images

Help Us Improve Maine Broadband

Take our speed test to help define and advance broadband infrastructure improvement throughout Maine.

[RUN SPEED TEST](#)

[LEARN MORE](#)

[VIEW CURRENT RESULTS](#)



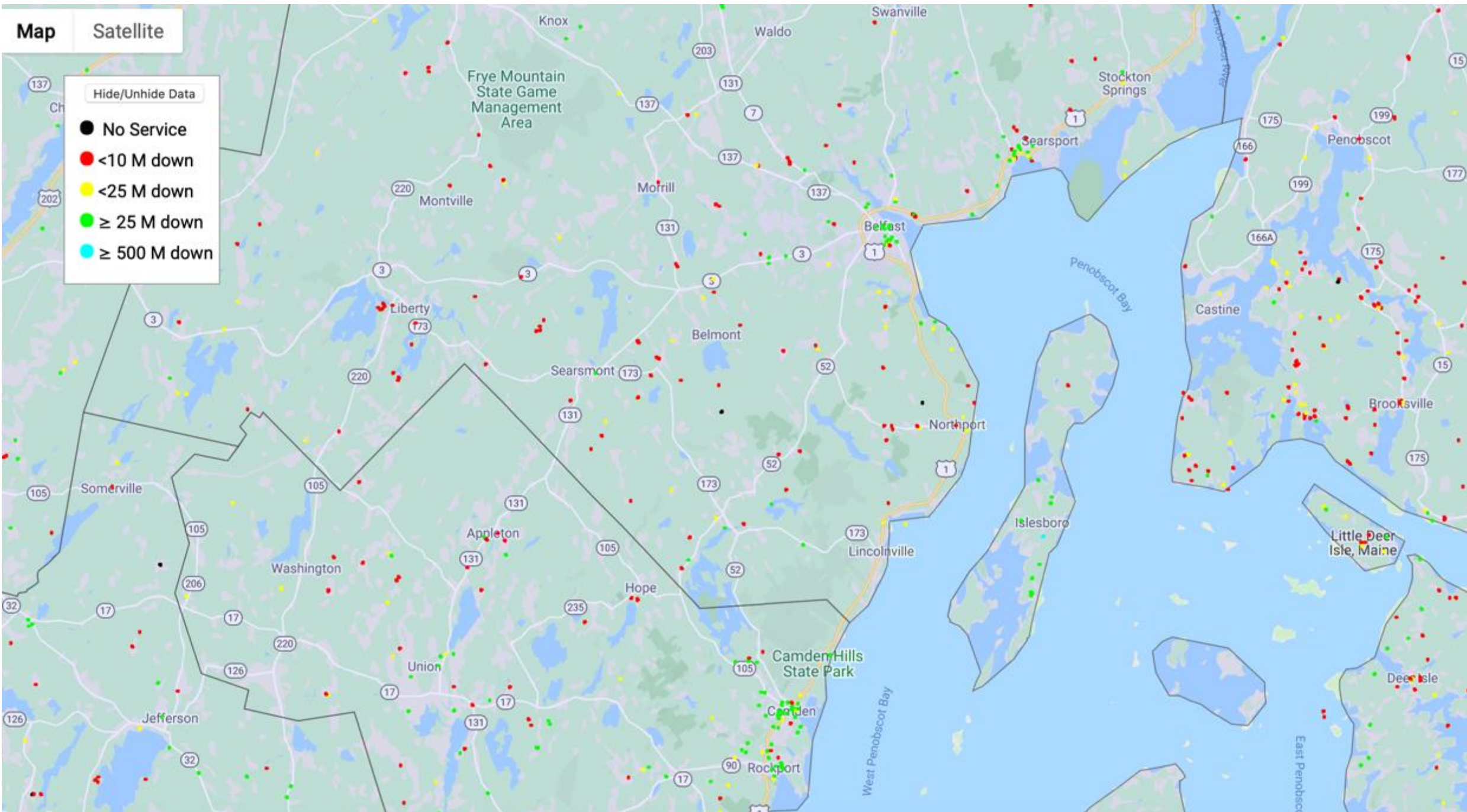
<https://www.mainebroadbandcoalition.org>

Map

Satellite

Hide/Unhide Data

- No Service
- <10 M down
- <25 M down
- ≥ 25 M down
- ≥ 500 M down





ConnectKidsNOW

- \$5.6 Million
- 730 Students and educators
- 2 month timeframe

CONNECTMAINE

THANK YOU!

July 14th 2020 - Over 230,000 Mainers said yes to better internet, marking the first time the state has invested significantly in broadband

Question 1: “Do you favor a \$15,000,000 bond issue to invest in high-speed internet infrastructure for unserved and underserved areas, to be used to match up to \$30,000,000 in federal, private, local or other funds?”



YES ON 1
**Better
Internet**

Big Dollars, Big Unknowns

- Will the legislature move forward with a \$100m broadband bond?
- Will a federal COVID Relief Package include funding for rural broadband?
- When and how will the successful Rural Digital Opportunity Fund (RDOF) bidders for Maine build out?
- Will SpaceX and Silicon Valley save rural Maine?

Biggest thing you can do today...

Help Us Improve Maine Broadband

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<https://www.mainebroadbandcoalition.org>