

Mapping the State of Broadband in Vermont

STONE
ENVIRONMENTAL
100% EMPLOYEE-OWNED

Services / Expertise

Geospatial & Data Solution
ArcGIS Online
ArcGIS Hub Premium
ArcGIS Web App Builder
ArcGIS Experience Builder
ArcGIS Dashboards
Esri Koop
Javascript & NodeJS
ArcPro

Markets

Local/State Government
Municipal Government
Regional Planning Commission
Communication Union Districts

Project Location

Vermont - Statewide

Date Completed

2021-Present

Project Owner

Vermont Community Broadband Board

Project ID#

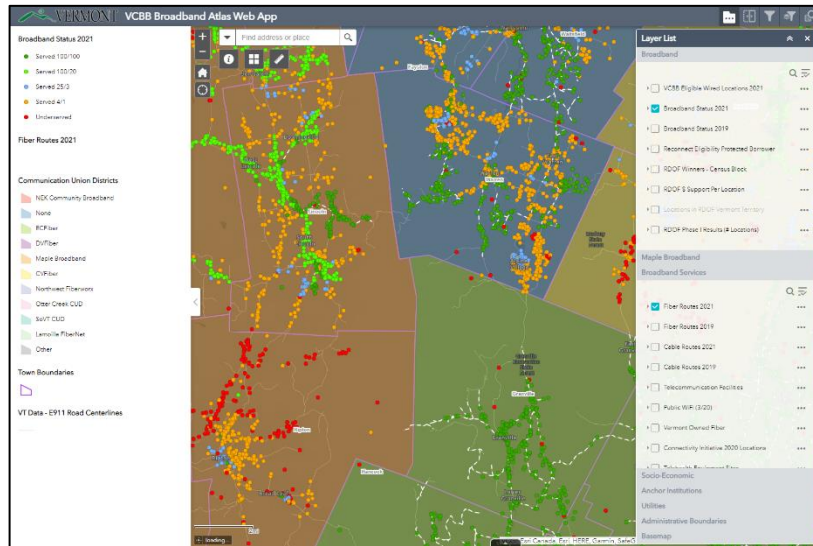
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Project Manager

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Project Team

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The VCBB Atlas Showing Building from Four CUDs with Varying Levels of Broadband Service

BROADBAND has become an important service in the United States but is essential for those living in rural states such as Vermont. The federal government has made expanding broadband capacity in the US a priority by providing funding necessary to build out broadband to underserved areas of Vermont. Because of the traditional individuality of the towns, counties, and regions in the state, the towns organized into nine Communication Union Districts (CUDs) responsible for building out the broadband in each region while balancing the needs and interests of the member towns. Governor Phil Scott installed the Vermont Community Broadband Board (VCBB) in 2021 to distribute the state and federal funding to the CUDs and oversee broadband expansion across the state. The VCBB required a GIS approach to track the dollar allocations in relationship with network buildout.

Stone's history of building and using geographic information systems (GIS), and roots in Vermont, made our team a natural fit for the task. Stone designed, implemented, and configured ArcGIS Online, ArcGIS Hub, ArcGIS Dashboards, and ArcGIS StoryMaps for the VCBB to capture and track data from the CUDs' implementation work, while the CUDs used the same ArcGIS tools to plan their networks and perform outreach to their towns. As is common in Vermont, some CUDs developed their own planning solutions data management systems. Stone used Esri's Koop to connect CUDs, software vendors and the VCBB.