Vermont Community Broadband Implementation Atlas

STONE ENVIRONMENTAL
100% EMPLOYEE-OWNED

Services / Expertise
Geospatial Data & Solutions
Web Application Development
ArcGIS Online

Technology
ArcGIS Online
ArcGIS Hub Premium
ArcGIS Web App Builder
ArcGIS Experience Builder
ArcGIS Dashboards
Javascript & NodeJS
ArcGIS Pro

Markets
Local and Regional Planning
State Government

Project Location
Vermont

Date Completed
2021–Present

Project Owner
Vermont Community Broadband Board

Project ID#
20211239

Project Manager
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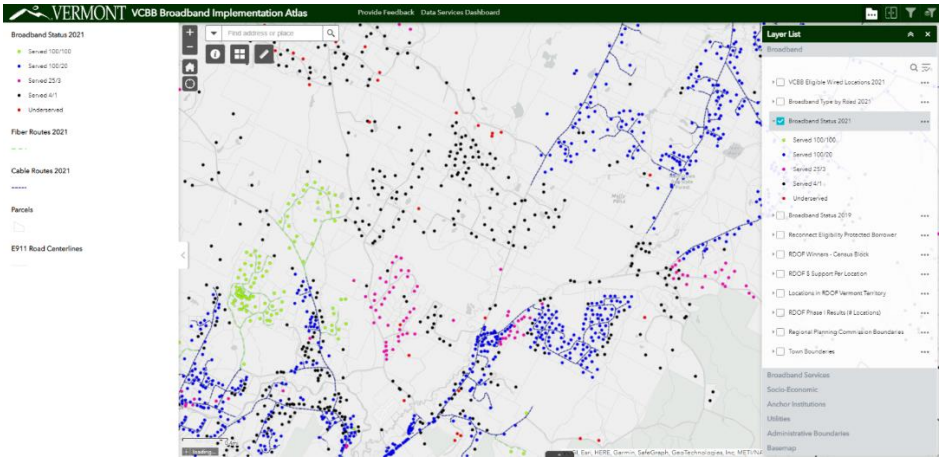
esri Partner Network Silver

esri ArcGIS System Ready Specialty



The VCBB Broadband Implementation Atlas is an interactive map showing a wide variety of GIS data layers that give context to broadband, including utilities, municipalities, and transportation.

BROADBAND has become a vital service in the United States but is essential for those living in rural states such as Vermont. The federal government prioritized expanding broadband capacity in the US by providing the 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 are organized into Communications Union Districts (CUDs) responsible for building broadband in each area while balancing the needs and interests of the member towns. Governor Phil Scott installed the Vermont Community Broadband Board (VCBB) in 2021 to distribute 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 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. 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 planning solutions and data management systems. Stone collaborated effectively with the CUDs and other private firms to manage the spatial data effectively as it came in different formats. Stone developed data standards and shared them with the CUDs and collaborators as a file geodatabase, PDF and spreadsheet. Effective communication is critical in implementing a statewide system, and Stone has played an essential role in maintaining strong communication and providing training to CUDs.

This work is ongoing as broadband implementation continues in Vermont.