

Vershire Town Plan

Adopted September 27, 2025

Prepared by the Vershire Planning Commission

Gregory Wilson, co-Chair

Eleanor Zue, co-Chair

Justin Willeau

Seann Patrick Cram

Nate Thames

Michelle Massa

Helen Wilson

Written with assistance and funding from the Two Rivers-Ottawquechee Regional Commission. This project was funded in part by a Municipal Planning Grant administered by the Vermont Department of Housing and Community Development.

Table of Contents

TABLE OF CONTENTS.....	0
I. INTRODUCTION.....	1
A. VISION STATEMENT	1
B. WHY HAVE A PLAN? – PURPOSE	1
C. DEFINING OUR RURAL CHARACTER	2
D. GENERAL GOALS	3
II. POPULATION.....	4
A. POPULATION PATTERNS	4
B. AGE OF POPULATION	5
III. ECONOMIC DEVELOPMENT.....	6
A. EMPLOYMENT AND JOBS	6
B. INCOME OF POPULATION	7
C. TAXES.....	7
D. GOALS, POLICIES AND RECOMMENDATIONS	8
IV. HOUSING.....	10
A. INTRODUCTION	10
B. NUMBER OF HOUSING UNITS	10
C. TYPES OF HOUSING AND OWNERSHIP CHARACTERISTICS	11
D. AFFORDABLE HOUSING	11
E. ELDERLY HOUSING	12
F. CHILDCARE	12
G. GOALS, POLICIES AND RECOMMENDATIONS	13
V. UTILITIES AND FACILITIES	15
A. TOWN CENTER.....	15
B. TOWN OFFICES	15
C. TOWN GARAGE	15
D. SOLID WASTE SERVICES: DURGIN HILL ROAD	16
E. WATER SUPPLY AND WASTEWATER TREATMENT FACILITIES.....	16
F. TELECOMMUNICATIONS AND INTERNET	16
G. CAPITAL BUDGET AND PROGRAM.....	18
H. GOALS, POLICIES AND RECOMMENDATIONS	18
VI. EMERGENCY SERVICES	21
A. EMERGENCY PLANNING.....	21
B. VERSHIRE FIRE & RESCUE	21
C. AMBULANCE.....	22
D. POLICE.....	22
F. GOALS, POLICIES AND RECOMMENDATIONS	22
VII. HEALTH.....	24
A. OVERVIEW	24
B. FOOD SECURITY.....	24
C. PHYSICAL ACTIVITY	25
D. SUBSTANCE MISUSE PREVENTION AND RESPONSE	25
E. GOALS AND RECOMMENDATIONS	25
VIII. EDUCATIONAL FACILITIES.....	26

A.	INTRODUCTION	26
B.	EDUCATIONAL FACILITIES	27
C.	STUDENT ENROLLMENT	27
D.	ADULT EDUCATION	27
E.	E. COMMUNITY LIFE	27
E.	GOALS, POLICIES AND RECOMMENDATIONS	28
IX. TRANSPORTATION		29
A.	INTRODUCTION	29
B.	TOWN ROADS AND ROAD MAINTENANCE.....	29
C.	ACCESS MANAGEMENT.....	30
D.	OTHER MODES OF TRAVEL	31
E.	TRANSPORTATION AND LAND USE PATTERNS	33
OUR RELATIONSHIP WITH THE LAND GUIDES US IN FUTURE HUMAN HOMEBUILDING AND HOW THAT WILL BE SUPPORTIVE OF SUSTAINABLE PRACTICES. THIS PRINCIPLE: BE SUPPORTIVE OF SUSTAINABLE PRACTICES, APPLIES TO COMMERCIAL AS WELL AS ANY ENTERPRISE IN VERSHIRE.....		33
F.	GOALS AND POLICIES.....	33
X. CURRENT AND FUTURE LAND STEWARDSHIP		36
A.	INTRODUCTION	36
B.	OVERALL LAND USE GOALS: AN OVERALL UNDERSTANDING OF OUR BIO REGION AND OUR PLACE IN THAT SYSTEM.	36
B.	CURRENT STATUS OF THE HEALTH OF OUR RELATIONSHIP WITH THE LAND.....	37
C.	PROPOSED LAND USE	37
D.	VILLAGE CENTER AREA.....	38
E.	OPEN SPACE AREA.....	39
F.	RURAL RESIDENTIAL AREA	40
G.	FLOOD HAZARD AREA.....	41
H.	TRANSPORTATION AND LAND USE PLANNING	42
XI. NATURAL RESOURCES.....		43
A.	WETLANDS	43
B.	WATER RESOURCES.....	44
C.	WILDLIFE AND FOREST RESOURCES	46
D.	MINERAL RESOURCES.....	48
XII. FLOOD RESILIENCE		50
A.	BACKGROUND.....	50
B.	FLOOD HAZARD AND RIVER CORRIDOR AREAS IN TOWN	51
C.	GOALS, POLICIES, AND RECOMMENDATIONS	52
XIII. SCENIC AND HISTORIC RESOURCES AND RECREATION		54
A.	EAGLE HOLLOW PARK	54
B.	PATTERSON MOUNTAIN AND AREA	55
C.	TOWN CENTER.....	56
D.	ELY MINE.....	56
E.	ADDITIONAL VERSHIRE HISTORIC SITES.....	57
F.	GOALS:.....	57
XIV. ENERGY.....		58
A.	OVERVIEW	58
B.	ENERGY USE.....	58
C.	CURRENT ENERGY SOURCES	59
D.	ENERGY EFFICIENCY	59
E.	MUNICIPAL ROLE IN ENERGY EFFICIENCY	60
F.	RENEWABLE ENERGY	62

G. ENERGY AND LAND USE POLICY	63
H. GOALS, POLICIES AND RECOMMENDATIONS	64
XV. RELATIONSHIP TO OTHER PLANS.....	67
XVI. IMPLEMENTATION.....	68
A. PUTTING THE PLAN INTO ACTION	68
B. ADOPTION OF THE PLAN	68
C. ONGOING PLANNING.....	68
D. IMPLEMENTATION TOOLS	68
E. GUIDELINES FOR GROWTH.....	70
F. RESPONSIBILITY FOR IMPLEMENTATION	72
APPENDIX A: 2024 VERSHIRE COMMUNITY SURVEY	73
APPENDIX B: VERSHIRE ENERGY DATA (2017) AND TOWN AND GARAGE ENERGY AUDITS (2023)	78

Table of Figures

Figure 1 – Vershire Population	4
Figure 2 - Vershire Population Distribution by Age Group	5
Figure 3 - Occupations in Vershire	6
Figure 4 - Vershire Median Annual Income	7
Figure 5 - 2025 Effective Property Tax Rates in Surrounding Area (per \$100)	8
Figure 6 - Total Housing Units in Vershire	10
Figure 7 - Vershire Types of Housing Units	11
Figure 8 - Source: Building Energy Plan, Vershire Town Garage 2010	16
Figure 9 - Average Daily Membership	27
Figure 10 - Total Road Mileage	29

Table of Maps

Map 1: Current Land Use
Map 2: Future Land Use
Map 3: Transportation
Map 4: Natural Resources
Map 5: Utilities and Facilities
Map 6: Flood Resiliency
Map 7: Forest Blocks

I. Introduction

A. Vision Statement

The Vershire Planning Commission envisions a united, resilient Vershire, deeply connected to its land and people. We strive to cultivate a community where every member actively contributes to our town's sustainable future, bridging differences through shared values and open communication. Our Plan guides us in nurturing social cohesion and responsible stewardship, preparing Vershire for the challenges of climate change and fostering an environment where future generations cherish and continue our legacy of collaborative progress and environmental mindfulness.

B. Why Have A Plan? – Purpose

At this point the Plan is about preparing for the next eight years. Where we agree and feel strongly, the plan is specific and direct. Where we have broad agreement but differing approaches, it is more general. It provides background to frame policies which will guide the town from where we are today to where we want to be in the future. Many of the policies are meant to guide the actions of the town government and inform town budgets. Some are aimed at federal or state agencies, and other policies will affect individuals and businesses in certain instances, such as if they propose a project subject to Vermont's Act 250 permitting.

Vershire is close to the Upper Valley, a population center with rapid growth in the State of Vermont. Despite a slight increase in the region's population from 2000-2010, the 2020 Census and American Community Survey mark a downward movement. Vershire's population decreased from 730 to 672 residents, an overall decrease of 9%. However, renewed population expansion as a result of a changing climate will affect the character of our town. The influx of people will involve schools for their children, expanded and improved road systems and most certainly put a higher burden on our other town services.

The Town Plan enables the community to organize its efforts and prioritize its goals in order to leverage all of the resources available at the local, state and federal levels. Acknowledging that we are in relation with other communities working toward a particular goal (socio-environmental sustainability) helps us to see planning in a larger scope. The clarity of our goals and relations to other communities increases the potential to receive funds from government sources.

Here are some specific reasons to have a Town Plan:

1. **A guide for our community** – a Town Plan locates the ongoing story of the town and creates an assessment of present, past, and points to a future. Information in the Plan can be used by the Selectboard for, among other things, developing a capital budget, community services, emergency services, recreation and municipal

facilities.

2. **Support for grant applications and planning studies** – Many state run grant programs available to Vershire consider whether or not the town has stated a need for its grant request in the Town Plan. Studies are often called for within a plan, and the funding for such projects can come from state resources. For example, community members collaborated with VerShare to secure grant funding from Mt. Ascutney Hospital to work on substance abuse issues. Continued maintenance of the Town plan and updated demographic data help to strengthen such grant applications.
3. **A guide for future development** – In towns with no zoning, a Town Plan can be the only tool for local control of development. The District Environmental Commission considers Town Plans during an Act 250 hearing, which is why the Plan should clearly explain to developers what types of development are preferred in our town and where and how they should be located.

C. Defining Our Rural Character

The District Environmental Commission will often look to a Town Plan for guidance with regard to the issue of “rural character.” Too often this concept is poorly defined and/or too vague to be useful in a legal proceeding under Act 250. Therefore, for the purposes of this document, it is necessary for the Planning Commission to attempt to define what residents view as the “rural character” of Vershire.

In a survey carried out in the summer of 2016, the Planning Commission asked the residents of Vershire what they would like their town to be in the future. There was near unanimous agreement that "Vershire's major strengths are its people and its beautiful rural setting" and strong support for the statement that "Our Town Plan should seek to preserve the rural



The Church-Orr House – home to VerShare, the Vershire Community Library, MIV Shop and the Stage Coach Hostel

character of Vershire." These survey results are entirely in line with responses to previous surveys, such as in 2005, as well as public fora held in the process of renewing this town plan in 2023 and 2024. They imply that Vershire should remain much like it is. Questions about the desirability of commercial development drew more mixed responses, with a third to a half of responses being neutral or negative. To the extent that residents approve the prospect of commercial development, they prefer it to be small businesses concentrated in the center of the village that is along Route 113. Vershire is a small, quiet, bedroom community.

Residents have indicated that they prefer types of development that include residences, small home based businesses, professional offices, bed and breakfasts and eco/agri tourism. In the village of Vershire, residents would prefer a denser form of development that could include any of the above, but also restaurants and small retail shops. It is felt that development of this nature would be compatible with the present rural character of Vershire.

Although Vershire residents appreciate and hope to benefit from modern communication technologies such as high-speed internet, they are concerned about how the infrastructure may affect Vershire's rural character. Past surveys and public fora indicate that access to high-speed internet and cell phone service is very important, but draws concern about where such things as cell phone towers and solar panel arrays would be located.

The natural environment of Vershire, marked by deep valleys and high hills, is part of what makes Vershire's rural character important to its citizens. There is limited flat land in the Town and steep slopes and shallow soils predominate. Several streams rise from springs in the highlands, flowing into the White, Waits or Ompompanoosuc rivers. Some of these stream valleys are almost completely wild and feel very remote, though civilization is nearby. Many pockets where deep soils occur tend to be wet and poorly drained. There are many small wetlands and boggy areas in Vershire, in which grow bog plants ranging from orchids to white cedar. Largely untouched areas such as Hawkins and Patterson Mountain to the Southwest and Eagle Hollow to the Northeast are excellent examples of these valuable natural resources, and they are a great recreational asset to the Town. It is important to the residents of Vershire that the rural nature of these areas be protected. Can we protect them?

D. General Goals

The following goals are important to our town:

1. Strive toward sensible and orderly development that is right-sized for a small town and maintains the rural characteristics of Vershire.
2. Maintain the continuance of agricultural activities in Vershire.
3. Maintain conservation and proper management of our natural resources.
4. Supply quality community facilities within an expressed plan at a minimum cost, i.e., roads, fire protection and police protection.
5. Provide recreational opportunities for townspeople to more fully enjoy their leisure time.
6. Consider the well being of the community and act when appropriate.

II. Population

A. Population Patterns

Population, when considered in terms of past, present, and future statistics, represents an important factor in the overall development of our Town. Vershire's population reached its height in the census of 1880 with a total of 1875 residents; its low point came in 1960 with 236 residents. Since that date the population has increased to 672 in the 2020 census.

So far, although significant, Vershire's population growth has been sufficiently slow to be incorporated without major problems. We do not foresee at this time a change in the patterns of population growth that have obtained over the past three or four decades. Such population growth benefits Vershire, adding people with new insights, energy and enthusiasm, as well as increasing the town's tax base. However, rapid and unanticipated population increases can compromise rural character, create a demand for new and expanded municipal services, and strain the financial ability of a town to provide public services economically.

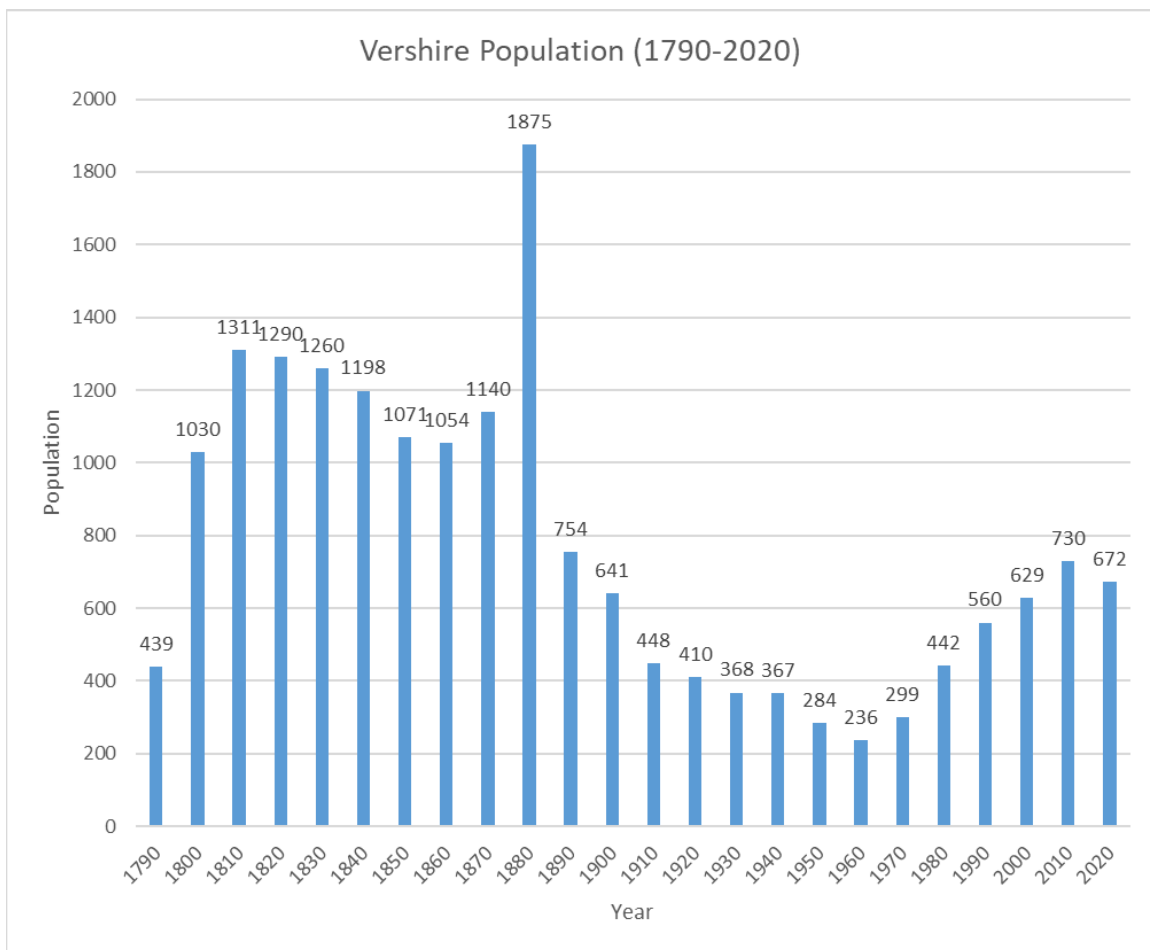


Figure 1 – Vershire Population - Source: 2020 U.S. Census

B. Age of Population

Between 2010 and 2020, population increases occurred primarily in the 65-74 year old range, which reflects the ongoing effect of the baby boomer generation.

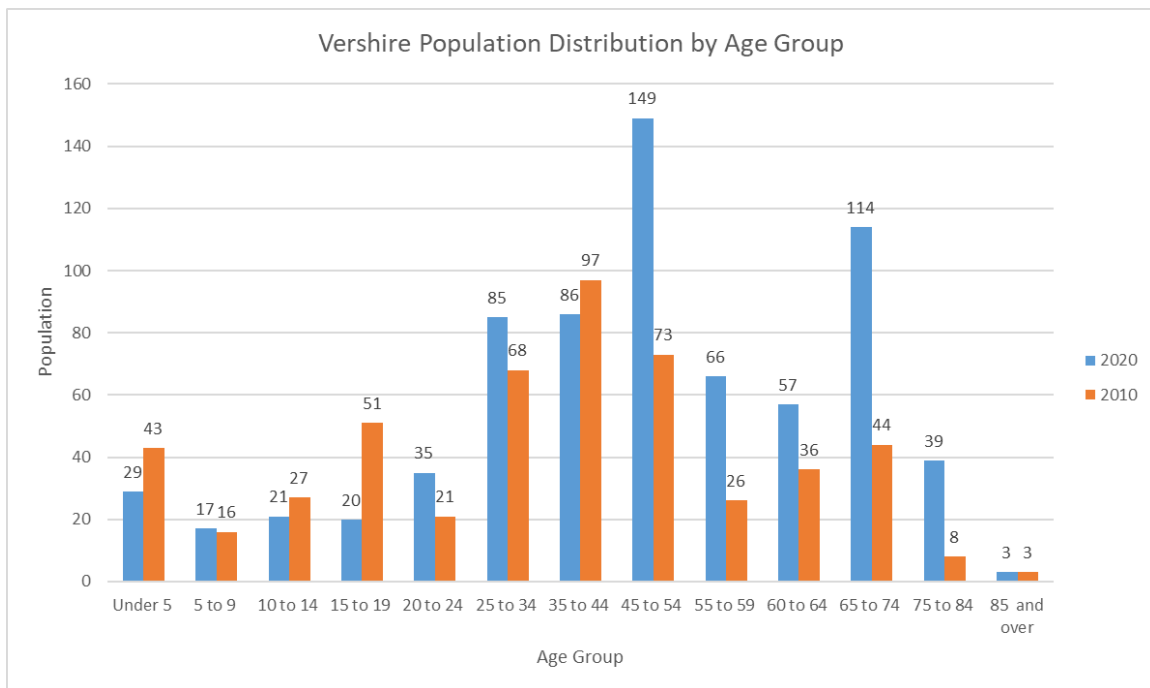


Figure 2 - Vershire Population Distribution by Age Group
Source: 2020 U.S. Census

The jump in population aged 45-54 (from 73 individuals in 2010 to 149 in 2020) represents a 104% increase in that age group. Overall in the State, the number of Vermonters 45-54 years of age decreased by 21% while in Vershire that same age group experienced an 104% increase over the 2010-2020 decade.

Also of note, is the large (67%) increase in population within the 20-24 year-old age group indicated in the 2020 US Census Data for Vershire. When compared with the numbers from the 2010 US Census, this population increase could imply that younger Vershire residents are choosing to remain here and are not moving out of town or out of state.

III. Economic Development

Vershire is a rural, bedroom town, so economic development is limited to that which is consistent with Vershire's scale and character. Nothing here is intended to suggest efforts toward developing a booming town center or attracting large commerce. Instead, this plan intends to protect and develop the town's assets, like its forests, open spaces, and small community events, and grow its economy by enabling remote workers and home-based businesses that are spread out across the town, rather than centrally located in the downtown district. The town government is supportive of community-led projects and is willing to leverage town resources to get local projects off the ground.

A. Employment and Jobs

Agriculture, logging and maple sugaring have long provided Vershire's economic base. With the exception of the Ely Mine era, the town has not been home to large industrial developments, but rather small home-based businesses.

Presently, residents have a number of home occupations including, but not limited to:

- Artisans
- Farmers
- Truckers
- Furniture & Cabinet making
- Wood products
- Construction

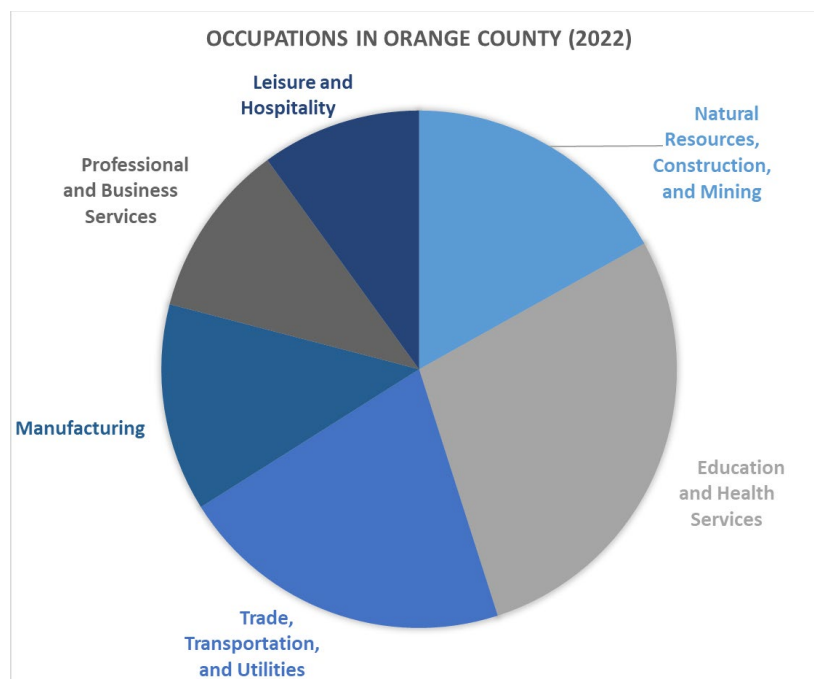


Figure 3 - Occupations in Orange County
Source: 2021 5-Year American Community Survey

Vershire does not serve as an economic hub for commercial and industrial activity. Residents go to the towns of Bradford, Chelsea, Randolph, Thetford, Norwich, Hanover and West Lebanon for banking, professional and related services. According to the 2021 5-year American Community Survey, 43% of the working population in Vershire works outside of Vershire, many in Hanover or Lebanon, NH. As a result, Vershire does not have a well-defined commerce center. Most commercial development is of a scale that is appropriate in the rural countryside, and is consistent with this Plan.

B. Income of Population

In 2021, the average household income for owners and renters in Vershire was \$62,333, a slight increase from 2020 as seen in Figure 4 below.

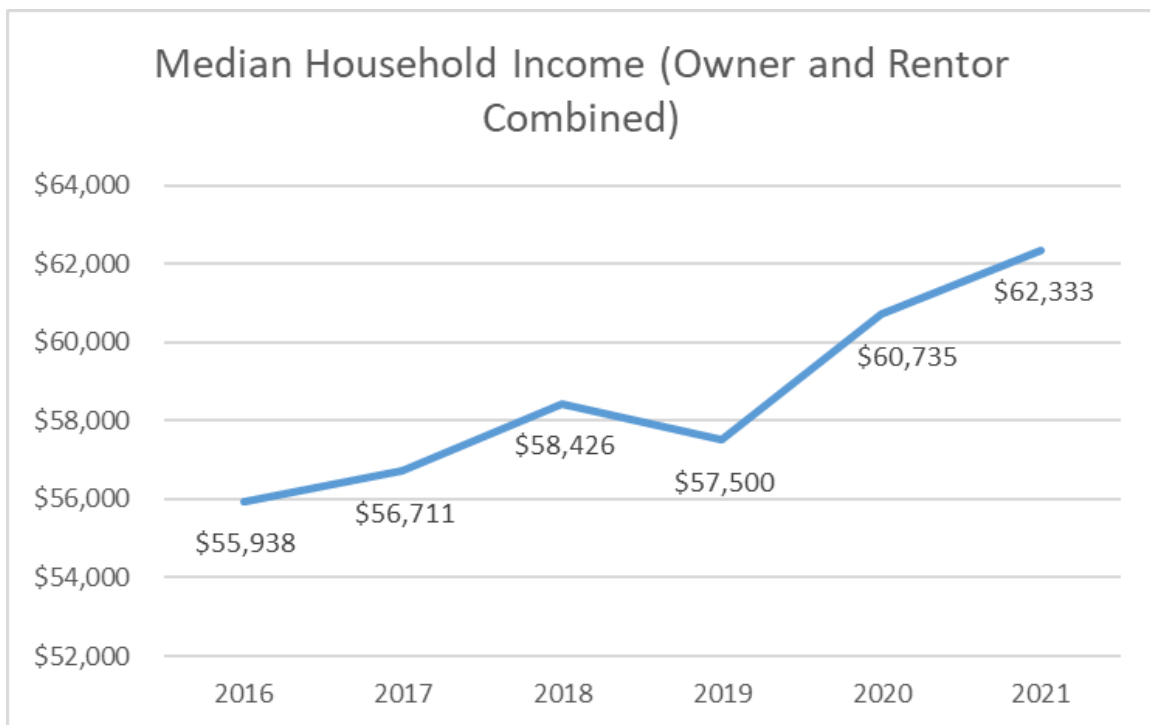


Figure 4 - Vershire Median Household Income
Source: American Community Survey, 2016-2021 5 Year Estimates

C. Taxes

Vershire's 2025 property tax rate of \$1.27 per \$100 of assessed property value reflects a significant decrease from the prior year. In comparison to neighboring towns in the Rivendell Interstate School District, West Fairlee also experienced tax decreases, with new rates of \$1.78. These reductions are attributed to changes in Vermont's funding formula, which directs more state funding to schools in rural areas or those serving higher numbers of students living in poverty.

Property taxes, predominantly driven by educational spending, directly influence Vershire's affordability. Escalating taxes pose a threat to the town's livability, risking the displacement of long-time residents. Preserving community continuity is crucial, and this calls for a balanced tax policy. To alleviate the tax burden, we can explore options such as reducing municipal or school district expenditures, expanding housing to distribute taxes more broadly, or growing our population, especially among children, to diffuse the cost of services, including education, over a wider base. This strategic approach aims to sustain Vershire's charm while ensuring financial viability for its residents.

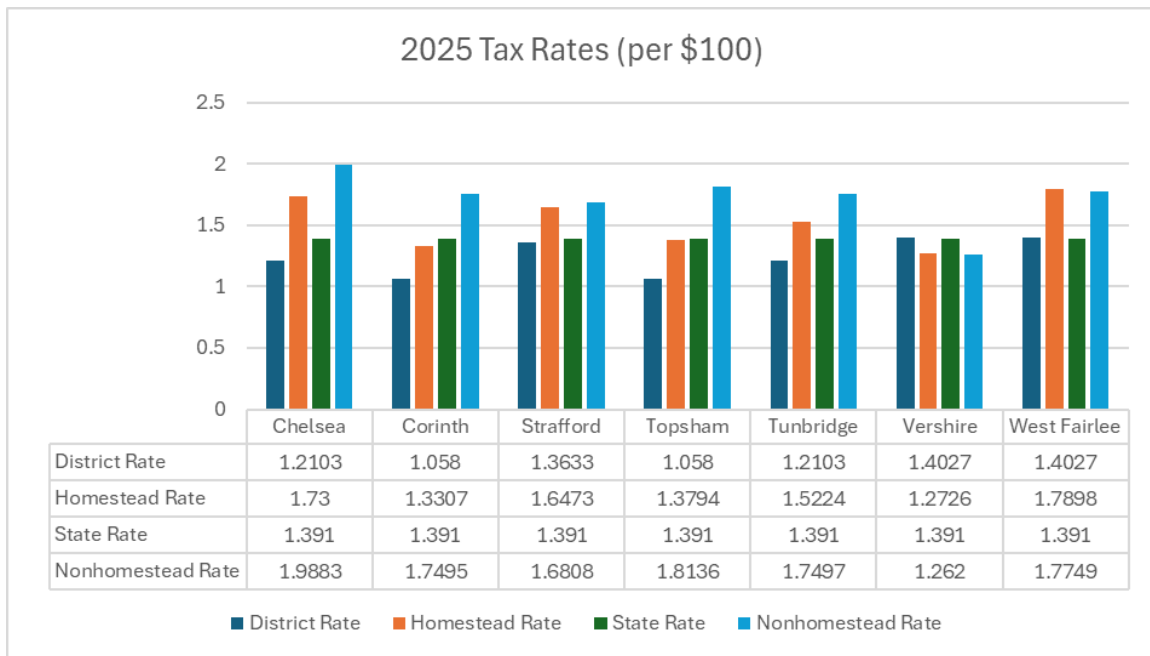


Figure 5 - 2025 Effective Property Tax Rates in Surrounding Area (per \$100)
 Source: Vermont State Department of Taxes

D. Goals, Policies and Recommendations

1. Goals

- a. Create a local economy that:
 - i. provides ample job opportunities and activities for residents.
 - ii. prepares youth for an economically successful and satisfying career.
 - iii. is resilient and can help the community provide for itself in a crisis.
 - iv. is economically, socially, and environmentally sustainable.
 - v. is right-sized and appropriate for Vershire's rural character.
 - vi. preserves Vershire's natural and historic assets.

2. Policies

- a. Enable residents to pursue a variety of employment options, to include

commuting to regional job centers, home-based businesses, independent contracts, and remote work.

- b. Allow residents to easily supplement their income with temporary or short-term work (a.k.a. gig work), such as through outdoor recreation activities, eco-tourism, and short-term hosting (e.g. Airbnb).
- c. Support the manufacture of locally produced value-added products, particularly those that are agricultural or silvicultural in nature.
- d. Limit commercial development that may have an adverse impact on the rural nature of the community.
- e. Maintain affordability by managing growth and tax policy, i.e. increase tax base without straining municipal services.
- f. Leverage the cooperative nature of rural communities to facilitate community projects through volunteerism.

3. Recommendations

- a. Coordinate the continued development of the Town Center and nearby properties to form an interconnected and accessible space for community activities.
- b. Determine what the ideal population growth rate would be and take action through ordinance, partnerships, etc. to achieve it.
- c. Consider the potential impact of climate migration in the development ordinance
- d. Encourage new housing (in accordance with the development ordinance) that will increase the property tax revenue of the town.
- e. Broaden the responsibilities of the Development Administrator to include economic development services, such as assisting residents with business registrations, tax filings, and other interactions with state and local government, as well as coordinating within the local business community.

IV. Housing

A. Introduction

Local housing planning is a vital tool in achieving two key community goals: providing safe and affordable housing for both current and future residents, and ensuring optimal density and distribution of homes. This approach is central to the long-term sustainability and prosperity of our region. Thoughtful housing growth enhances the town's ability to offer essential facilities and services, while also preserving its unique character. By strategically planning for schools, roads, and other public services, we not only support the financial capacity of our taxpayers but also maintain and potentially increase property values, ensuring that our town's rural charm is nurtured and protected.

B. Number of Housing Units

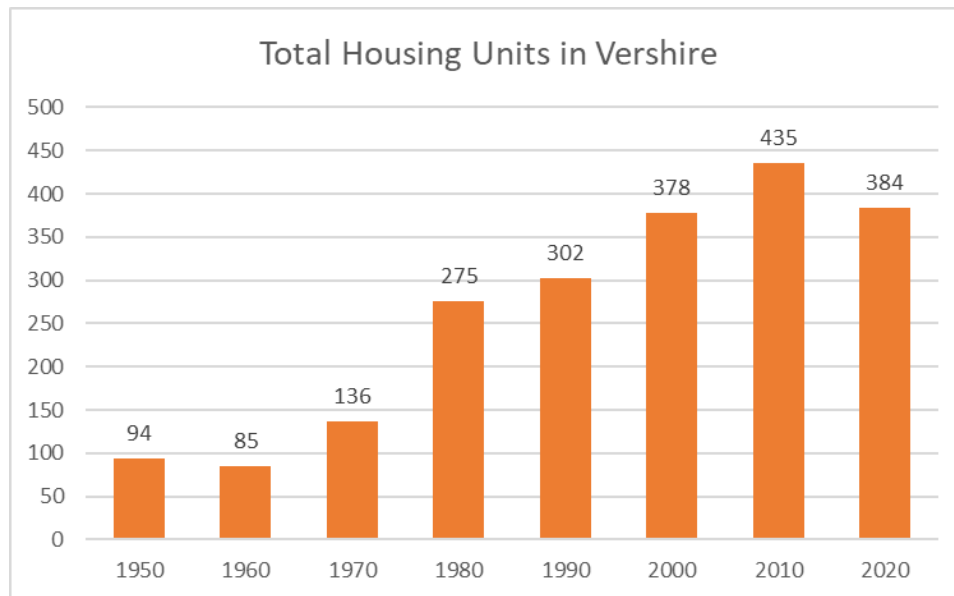


Figure 6 - Total Housing Units in Vershire
Source: U.S. Census 2020

Vershire's total number of housing units have been increasing since the 1970s, while growth in housing stock jumped substantially between 1990 and 2010 it has decreased between 2010 and 2020.¹

¹ It is likely that West Fairlee housing units were counted erroneously toward Vershire in the 2010 census, which is why there was a sharp increase in housing units in 2010 and a decrease in 2020. Visit <https://data.census.gov/> to explore these anomalies.

C. Types of Housing and Ownership Characteristics

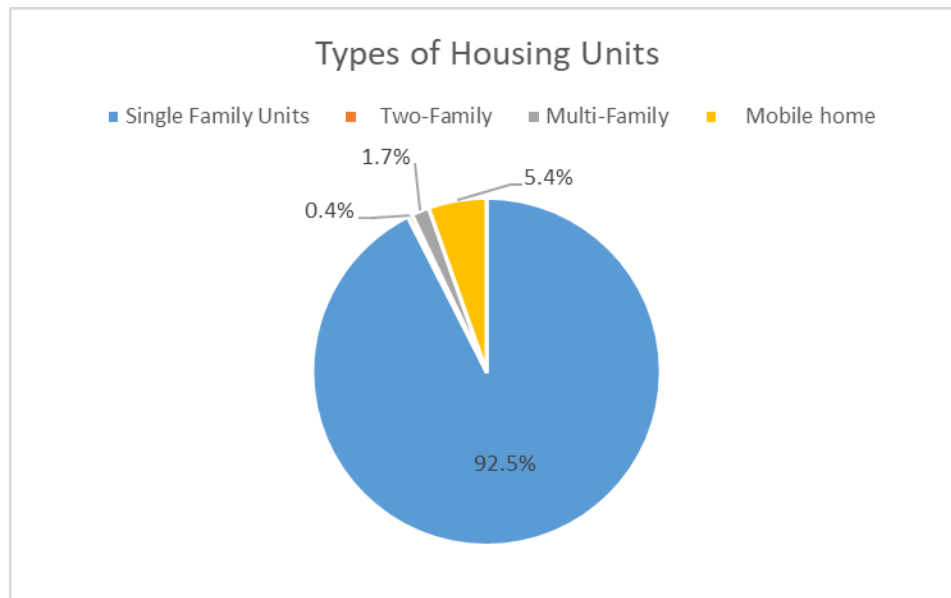


Figure 7 - Vershire Types of Housing Units
Source: American Community Survey, 2016-2021, 5 Year Estimate

The U.S. Census defines a “housing unit” to include: conventional houses, apartments, mobile homes, and rooms for occupancy. According to Vermont Housing Data, Vershire has a total of 384 housing units. Like most of the towns throughout Vermont, they are predominantly single-family homes, with mobile homes being a distant second.

Although the majority of Vershire’s housing stock is owner-occupied, an unusually large amount, about one quarter, is dedicated to seasonal, recreational or occasional use. When a town has a large number of homes that are not occupied year-round, it can have unforeseen impacts on town services. For example Vershire, like many other Vermont towns, has a volunteer fire department. This department depends on full-time residents to staff its fire department and a lack of full-time residents can make acquiring staff difficult because the pool of candidates is reduced.

D. Affordable Housing

Affordable housing is defined as that which a household making the county's median income could afford if no more than 30% of its income were spent on housing costs. For homeowners, housing costs include payments for principal and interest on a mortgage, taxes, etc. For renters, housing costs include rent and utilities. The graph below reflects the severity of cost-burden affecting renters, and homeowners with and without mortgage.

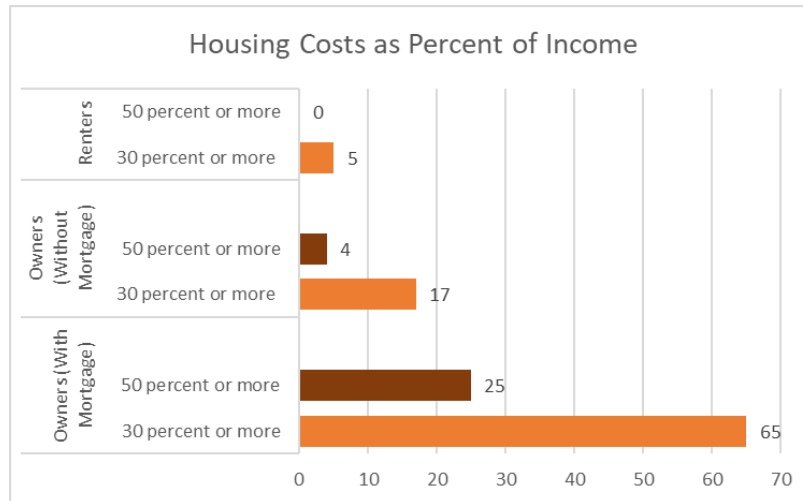


Figure 8 – Housing Costs as Percent of Income
Source: American Community Survey, 2016-2021, 5 Year Estimate

In Vershire, the average price of primary residences sold in 2022 was \$272,000, which is less than the Orange County median of \$282,000 and the statewide median of \$309,000. To afford a median-priced house in Vershire, one would need a household income of at least \$98,677, with \$23,641 in cash for closing costs. This estimate is calculated based on many assumptions such as a 5% down payment, average property taxes, and being able to afford 30% of total income for housing expenses.

In 2023, the median fair market rent for a 3-bedroom home in Vershire is \$1,427 per month. When compared to the Vermont median of \$1,499, the rental rates in Vershire are slightly more affordable. For example, only 5% of households making an average annual income of \$75,128 are paying nearly 30% of their income for the median gross rental rate, which is considered affordable, but barely so.

E. Elderly Housing

According to the 2020 US Census, it is estimated that there are 156 individuals in Vershire who are 65 or older. Around 34% of homeowners in Vershire are 65 or older (which is the same as Orange County). There are no options for elderly housing in Vershire. Given the aging population the need for such housing, both assisted and unassisted, will only increase. However, according to survey results, this is not an issue that worries many residents, perhaps because of facilities in nearby towns, like Chelsea.

F. Childcare

Vershire has few options for childcare (Figure 9 below). According to the State of Vermont's inventory of childcare facilities, Vershire has no childcare facility that is licensed or registered. The only option for most residents is to arrange for care with relatives, or take their children to childcare facilities beyond the borders of Vershire to

neighboring towns like Chelsea and West Fairlee. According to the 2020 American Community Survey 5-Year Estimates, there were 46 children under the age of 10 in Vershire, a 22% decrease from 2010. This indicates that there is a need for additional childcare services in Vershire. A majority of Vershire residents who responded to the survey agree that "...Vershire needs to provide more opportunities for our children and young people."

Westshire Elementary School in West Fairlee has provided free pre-school for children in Vershire and surrounding towns since 2015. This is a great option for parents who have young children ages 3-5.

<u>Childcare</u>		
<u>Towns</u>	<u>Licensed</u>	<u>Registered</u>
<u>Tunbridge</u>	<u>2</u>	<u>1</u>
<u>Thetford</u>	<u>5</u>	<u>1</u>
<u>Corinth</u>	<u>1</u>	<u>1</u>
<u>Strafford</u>	<u>2</u>	<u>0</u>
<u>Chelsea</u>	<u>4</u>	<u>1</u>
<u>Vershire</u>	<u>0</u>	<u>0</u>
<u>West Fairlee</u>	<u>3</u>	<u>0</u>

Registered Childcare Centers: Figure 9, ACS 2020

G. Goals, Policies and Recommendations

Goals

1. Provide the opportunity for Vershire residents to have access to quality affordable housing.
2. Retain existing housing and construction of new housing which meets the natural population growth.
3. Preserve historic structures in ways that appropriately serve the need for housing.
4. Encourage additional, affordable, long-term rental properties, especially in the village center, that meet the needs of a variety of people (e.g. visiting academics, family and friends, long-stay tourists, traveling nurses, etc.) provided that they do not put an undue burden on Town services and facilities and do not negatively impact the rural character of the village center.
5. Encourage the development of affordable senior housing within Vershire.
6. Encourage affordable childcare in Vershire.

Policies

1. Ensure that the timing and rate of new housing construction or rehabilitation does not exceed the community's ability to provide adequate public facilities (e.g. schools and municipal services).
2. Maintain affordability of housing by ensuring lots are appropriately sized, and allowing accessory dwellings and clustered developments whenever practicable.
3. Encourage the location of future housing so as to complement existing or planned employment patterns, travel times, and energy requirements, especially within the Designated Downtown District
4. Location of housing, related amenities and land uses should be planned with due regard to the physical limitations of the site and location to current or planned public and private services such as roads and commercial/service centers.

V. Utilities and Facilities

A. Town Center

The Town Center is the heart of the Vershire community, providing a versatile space for town meetings, community events, and private functions. Equipped with a generator and a variety of emergency supplies, it also serves as an essential emergency shelter and warming center.

Next to the Town Center, a multi-use field caters to soccer, baseball, and other recreational activities. This area, along with a picnic space and an outdoor bread oven pavilion, offers a perfect setting for community gatherings and events. The recent addition of a large pavilion has further enhanced the outdoor facilities, making them ideal for a wide range of public and private events.

An outdoor farmer's market, held on the front lawn, has become a popular and well-received feature, drawing in community members and visitors alike.

The Town Center is also home to the Vershire Historical Society, which houses a treasure trove of historical artifacts, photographs, and documents, preserving the rich heritage of the community.

With its comprehensive amenities and central role in community life, the Town Center is an indispensable asset to Vershire, fostering both everyday interactions and special events.

B. Town Offices

The Town Office building, built 1978, contains the town records, office for the town clerk and treasurer, and meeting and work space for the Selectboard, Lister's, Planning Commission/Board of Adjustment, and other town officials. The building is in good shape; the Selectboard and Town Clerk see to the maintenance of the space using Town funds.

C. Town Garage

Located one-half mile up the Vershire Center Road from Vermont Route 113, the Town Garage provides garaging for town equipment and a stockpile area for sand/salt for winter operations. It is maintained by the Vershire Highway Department.

In 2023 a new garage was built, and a building energy audit was conducted on the new Town Garage. The audit identified potential energy efficiency improvements that, if implemented, could save the town more than \$10,000 in operating expenses and over \$20,000 in state and federal incentives, but estimated improvements would cost over \$50,000. Refer to the DuBois & King Energy Assessment in Appendix B for more information.

A reduction in yearly expenses for this building would benefit the community as a whole. Any improvements planned for the Town Garage should take into consideration the results of the energy audit or these costs should be directed toward establishing an entirely new and more efficient facility. Vershire has also received a Municipal Energy Resilience Program (MERP) grant to install solar on its roof. The town is applying for net metering for non-contiguous buildings that would allow the Garage to share any excess power with other town buildings.

D. Solid Waste Services: Durgin Hill Road

Vershire belongs to the 10-town Greater Upper Valley Solid Waste Management District (GUVSWMD). As a part of the district, Vershire sends its solid waste to the lined landfill in Lebanon, NH, and residents can take their household hazardous waste (HHW) to the special collection site at the Hartford landfill or to any other special collections held within the district throughout the year.

The town owns property at the corner of VT Route 113 and Durgin Hill Road for use as the town recycling center. Returnable bottles and cans collected there fund Vershire Fire and Rescue. In addition there are periodic collections of metal and tires.

E. Water Supply and Wastewater Treatment Facilities

The town has no public water or sewer system. Individual wells supply water, and septic systems handle sewage disposal. Design and construction of on-site sewage systems requires a Potable Water and Wastewater permit from the Vermont Agency of Natural Resources.

F. Telecommunications and Internet

Consolidated Communications is the incumbent provider of landline voice communication services in Vershire. It has lines throughout the town. Residents may choose competing local and long distance providers.

Since 2011, East Central Vermont Community Fiber Network (ECFiber) has been building its presence in Vershire, with the objective to make high speed fiber optic internet service available to every residence and business. ECFiber offers symmetrical internet access (same upload as download), and a choice of five speeds that do not vary by time of day or according to the weather. It also offers telephone service. From an initial cable along VT Route 113 installed in 2013, ECFiber's coverage has grown considerably. Vershire has 39 miles of road **excluding Class 4 roads** and about 59% of those either have existing fiber-optic lines or are within range to connect to one.

Wireless Voice and Data

Verizon Wireless, T-Mobile, and AT&T provide wireless voice and data communications that reach locations in Vershire, depending on the accessibility of the locations from existing telecommunications facilities built along VT Route 113. In some locations in town, this coverage is good, in others moderate or weak, and in still others nonexistent.

Under present standards, transmission towers are the dominant telecommunications facilities. As land uses, these towers have emerged as planning concerns. To ensure adequate transmission of signals in mountainous areas, towers and related facilities prefer to be located on hilltops or high elevation points, often creating conflicts with scenic landscapes. Some of the Town's principal scenic resources are its ridgelines and mountainsides. These areas are significant contributors to the maintenance and enjoyment of rural character. Today, our ridges are predominately undeveloped and provide an unbroken skyline viewed from the valley floor. But ridgelines are not the only areas that are under assault for locating towers. In 2016, the Public Utilities Commission (PUC), formerly known as the Public Service Board, approved an application to build a cell tower in Vershire. Although not sited along a ridgeline, the tower did not meet with the Town of Vershire for approval in its location. In the face of opposition from the Selectboard, the Planning Commission, and the Two Rivers-Ottawquechee Regional Commission, the developer, T-Mobile, was still granted a permit by the PUC to locate its facility.

At the time of this writing, Vershire is developing both an Energy Plan and a Guideline for the Siting of Telecommunication Facilities. With proper regulation, the use of ridges for telecommunication towers and related facilities can be minimized, and when done, undertaken in a manner that does not detract or adversely affect these scenic values. Protection of these areas from insensitive development is a matter of public good.

Under Vermont law (24 V.S.A. Chapter 117), municipalities may require that certain standards be met prior to the construction of telecommunication facilities. Local bylaws may regulate the use, dimension, location, and density of towers, however, Federal Communications Commission (FCC) rules are preemptive of local and State law where conflicts exist. Act 250 jurisdiction requires a permit prior to the construction of a communications tower or similar structure over 50 feet in height. Both Act 250 and local regulations are superseded if the tower is part of a network regulated by the PUC. The recommendations of this section serve as a clear written community standard intended to preserve the aesthetics or scenic beauty of the Town of Vershire. Accordingly, it is the intent that this section be utilized by the District Environmental Commission, the Vermont Environmental Board, and the PUC as part of their review for all wireless communications facilities. However, as mentioned in the previous paragraph, the Town is very aware of the importance of telecommunication in general and would encourage additional transmission/cell towers to be located within its borders.

Available Technologies and Topographic Issues

An assessment of current technologies indicates that wireline technologies will provide the highest quality communication services to Vershire. Favoring wireline technology is consistent with the goal of the State of Vermont under 30 V.S.A. Chapter 202c (b) (10) for

universal availability of broadband of at least 100 Mbps by 2024. The Vermont 10-Year Telecommunications Plan (published in June 2021) states that currently only fiber technology is capable of meeting this goal.

Vershire Telecommunications Bylaws

Vershire currently regulates wireless telecommunication facilities through a bylaw adopted at town meeting in 2008. The bylaw states a purpose to protect the scenic qualities of Vershire's natural environment and to guide development that may have adverse health, safety or visual impacts. It requires conditional use review of proposed facilities. Among other provisions, the bylaw requires that the height of the facility shall not exceed 35 feet. Telecommunications facilities may also require a land use permit under Act 250 (10 V.S.A Chapter 151). Specifically, Act 250 requires a permit to build a support structure that is primarily for communication or broadcast purposes and that extends 50 feet or more in height above ground level or 20 feet or more above the highest point of an attached existing structure. The Vershire telecommunications bylaw, including its height restriction, constitutes a clear, written community standard intended to preserve aesthetics and scenic beauty.

G. Capital Budget and Program

State statute enables communities to create a Capital Budget and Program for the purposes of planning and investing in long-range capital planning. Although most communities have some form of capital account where they save money, many do not have a true Capital Budget and Program. A capital budget outlines the capital projects that are to be undertaken in the coming fiscal years over a five-year period. It includes estimated costs and a proposed method of financing those costs. Also outlined in the Program is an indication of priority of need and the order in which these investments will be made. Any Capital Budget and Program must be consistent with the Town Plan and shall include an analysis of what effect capital investments might have on the operating costs of the community.

Vershire does have a Capital Equipment Schedule created in 2015 to replace the Highway Department equipment over the next ten years. This does not include the backhoe or the grader. At the time of this writing, there has been serious turnover among highway crew and the list has not yet been updated.

H. Goals, Policies and Recommendations

Goals

1. Provide community facilities and services that meet the needs of the residents of Vershire.
2. Preserve the rural character and appearance of Vershire.
3. Protect the scenic, historic, environmental, and natural resources.

Policies:

1. Growth and development shall not exceed the capacities of local facilities and services.
2. Any increase in infrastructure shall be designed to have minimal aesthetic impact on the community.
3. Facilitate telecommunication services while minimizing the adverse visual effects of towers and related facilities by providing specific recommendations for design and siting standards.
4. Telecommunication facilities and other tower development shall be screened utilizing trees and landscaping located upon the land of the developer or lands leased by the developer.
5. No public burden from private development shall ensue.

Recommendations:

1. Management plans for each public structure, addressing both immediate needs and long term requirements, should be developed.
2. Towers for wireless service providers and/or broadband shall be required to allow other providers to co-locate on their facilities when feasible, subject to reasonable terms and conditions.
3. To minimize conflicts with scenic values, telecommunication tower design and construction shall follow these guidelines, whenever possible:
 - a. Be located in non-residential areas and away from visually sensitive areas, prominent scenic areas and historic areas;
 - b. Be located in forested areas when possible, or camouflaged on buildings;
 - c. Be sufficiently landscaped to screen related ground fixtures from public vantage points, such as trails, roads or water bodies;
 - d. Utilize materials, forms (including asymmetrical tree shapes), color schemes, mass, minimal height and other design elements to promote aesthetic compatibility with surrounding uses and to avoid adverse visual impacts;
 - e. Screening must be located on the owned or leased property of the project;
 - f. Where construction of access roads is involved, it should be situated to generally follow the contour of the land and to avoid open fields or meadows to minimize its visibility;
 - g. Towers should not be illuminated by artificial means and not display strobe lights, except when required by the Federal Aviation Administration (FAA);
 - h. Towers shall avoid breaking the silhouette of peaks and ridges by locating downslope whenever feasible, and be sited in areas minimally visible to the traveling public, public recreation and the Cross-Rivendell Trail; and
 - i. The height for towers, antennae and tower-related fixtures shall be as close to mature tree height as possible while still achieving the coverage objective.
 - j. In planning for telecommunication facilities, due consideration should be given to the environmental limitations of any given site. Impacts of the use on wildlife habitats, soil erosion, forestry and agricultural lands and similar

resources should be carefully addressed. Projects that materially impact these resources are discouraged. The design plans for telecommunication projects situated on lands owned by the State shall be compatible with current Management Plans for Public Lands adopted by the Agency of Natural Resources.

- k. Towers, antennae and related fixtures that fall into disuse or are discontinued shall be removed. Local and State land use permits shall incorporate removal of inactive fixtures as a condition of approval.

VI. Emergency Services

Emergencies, both in frequency and intensity, are on the rise each year, presenting a critical challenge - are we ready to proactively prepare for unprecedented events? Development of robust infrastructure and coordination in advance becomes paramount with scenarios such as consecutive flooding incidents, prolonged droughts lasting two to three months, severe heat, severe cold, and severe winds (>58 mph). This includes enhancing and coordinating our emergency services, including fire, rescue, and ambulance capabilities, ensuring they are well-equipped and responsive in the face of such challenges, and coordinating those responses with other town services, as well as regional and state responses. Strengthening these services is key to our resilience, providing the community with the assurance of effective response in a crisis. Our commitment to foresight and preparedness is essential in safeguarding our community against the unpredictable yet increasingly likely occurrences of extreme weather events.

A. Emergency Planning

Vershire has an Emergency Management Team (VEMT) and has a Local Emergency Management Plan (LEMP) in place, approved 2024. VEMT is setting up response and communication plans, coordinated with organizations and individuals in town as well as regionally and at the state level.

B. Vershire Fire & Rescue

VF&R is an all-volunteer group providing emergency fire and medical assistance for Vershire and part of West Fairlee. Calls are received and dispatched by Hanover Dispatch with Upper Valley Ambulance able to respond to all dispatch calls. In 2005 the Vershire FAST Squad and the Vershire Volunteer Fire Department merged to become the Vershire Fire & Rescue, an independent organization with tax-exempt 501(c)3 status. The Town of Vershire votes annually on the VF&R budget request. Additional revenue comes from donations.

VF&R teams with West Fairlee Fire Department to cover the two towns and is also part of the mutual aid network with area towns. part of the mutual aid network with area towns. From September, 2023, to September, 2024, VF&R (with West Fairlee FD) responded to over 160 calls (69 in 2016.) VF&R has 15 active members. The rescue members of the VF&R are licensed EMTs. All firefighters have taken, or are taking, the basic firefighter course. Additional trainings are conducted regularly for all VF&R staff. There is an ongoing need for volunteers to serve as firefighters and rescue personnel, to help raise money, and to assist with equipment maintenance.

The Vershire Fire and Rescue Support Squad offers support to the VF&R. The Support Squad assists on fire and medical calls (as runners, helpers, information gatherers), helps organize and staff fundraising activities, and provide general support to the VF&R.

C. Ambulance

Emergency medical service, at the paramedic level, is typically provided by Upper Valley Ambulance, Inc. (UVA), based at the Fairlee Fire Station. UVA serves a nine-town region; each town is represented by a director appointed by that town's Selectboard. UVA provides its services on a fee-per-capita basis; in 2024 the fee was \$54.00 UVA is dispatched through Hanover Dispatch.

D. Police

The Town of Vershire does not have a town constable. This position will remain vacant for the foreseeable future on recommendation of the Selectboard. Law enforcement services are provided by Vermont State Police and Orange County Sheriff. The nearest State Police barracks is in St. Johnsbury, with an outpost in Bradford. The Orange County Sheriff office is located in Chelsea..

E. Emergency Response Coordination

Vershire has an updated and approved LEMP, and has identified both an Emergency Management Director (EMD) and Emergency Management Coordinator (EMC). Per the LEMP, the Log Cabin at the Town Garage has been identified as Emergency Operation Center, when one is needed. The EMD will coordinate with local, regional, and state resources as needed, to support an incident in town, or assist a neighboring town.

The Town Center building would be utilized as a Warming Center, Cooling Center, Power/WiFi Center, or overnight Shelter, if needed. As recommended in the 2011 Vershire Town Plan and after the experience of Tropical Storm Irene in the same year, Vershire established a Red Cross emergency shelter at the Town Center building; Red Cross training was provided for volunteers. A generator was installed on Town Center grounds.

In the future, it is likely that an extended multi-day response may be needed, which requires food and water, as well as potential shelter for responders from outside of the area. A plan for food, and possibly shelter, for volunteers is needed.

F. Goals, Policies and Recommendations

Goals

1. To provide suitable and coordinated emergency fire, medical, and law enforcement services for residents and visitors.
2. Continue to ensure that every household has a 911 Emergency Locator number, and encourage appropriate placement at driveway entrances.
3. Ensure that emergency communications are able to reach all residents and visitors, across media and geography, before and during an incident.

Policies

1. Encourage interested residents to volunteer with the Vershire Fire and Rescue and become certified members of those departments.
2. Ensure that town 911 Emergency Locator maps are kept current.
3. Ensure that the Vershire Local Emergency Management Plan is reviewed annually, and needed updates identified and addressed.

Recommendations

1. Annually review and update the LEMP.
2. Review and complete any needed revisions of/additions to existing road signs to make the Emergency Locator maps useful and effective.
3. Assign an E911 coordinator for the Town of Vershire, coordinating with the VEMT.
4. Coordinate a network of volunteers prepared to assist with town-wide communication, and with food and possible shelter for volunteer responders during an extended incident.

VII. Health

A. Overview

Vershire is committed to fostering the health and well-being of all residents. An individual's health is directly influenced by the resources, services, social network and physical environment accessible to them. Vershire takes responsibility for ensuring all residents have equitable access to the resources and opportunities that support our community's health and well-being.

It is the goal of the Town to promote access to a healthful life in Vershire by increasing access to local food options, promoting and developing opportunities for physical exercise and recreation, supporting prevention and recovery from substance misuse, and continuing to foster a sense of belonging and connection in our community in order to strengthen mental health.

Since health does not exist on a singular plane, but rather at the complex intersection of all aspects of one's environment, the Town will endeavor to consider how all aspects of municipal responsibility (including economic development, housing, utilities and facilities, educational facilities, transportation, land use and natural resources) impacts the health and well-being of its residents in an equitable and holistic manner.

B. Food Security

The health and wellbeing of the people and community is directly connected to the health of the ecosystem that surrounds us. In keeping with the central values of this plan, including the health and wellbeing of the community, the continuation of agricultural activities in Vershire, protecting our natural resources and ecological health, strengthening our communities and local economy, and honoring the rural character of our town, a key consideration is the resiliency of our food system. Food, and the systems of food production and distribution touch every element of life: ecological and human health, the economy, community, history, culture and tradition, relationships, land use, occupations, transportation, crisis management, energy consumption, population and development.

Vershire has a long history of agricultural land use, and the ecosystem services (such as open lands, grazing areas, biodiversity) provided by such practices add to the scenic beauty of our landscape and are appreciated by townspeople so deeply. Additionally, regenerative agricultural practices are highly effective in mitigating flooding, keeping waterways clean, improving wildlife habitats, sequestering carbon, increasing biodiversity and soil health, and benefiting human health. To that end, the town plan acknowledges that our agricultural lands, soils and production must be protected; local, small-scale, regenerative agricultural enterprises are to be encouraged; reducing our dependence on external food sources will improve our community's self-determination; and a town-wide (or regional collaborative) initiative towards a just, vibrant and resilient food system is of paramount importance.

C. Physical Activity

Vershire will protect open space for recreational use and provide access to parks, shared-use paths and trails, or open spaces within reasonable walking distance of most homes.

D. Substance Misuse Prevention and Response

Substance misuse is a significant challenge in all communities, large and small. The impacts of individual behaviors and choices ripple out to affect household members, neighbors and friends, and ultimately the rest of the community. When one person is struggling, we all struggle. Those who are in recovery need community support to achieve their goals, and their success ultimately benefits everyone.

E. Goals and Recommendations

Goals

1. Foster community connections to strengthen mental health.
2. Develop opportunities for physical exercise and recreation.
3. Improve pedestrian access in the village.
4. Reasonable and safe access between the town's public buildings.
5. Support prevention and recovery from substance misuse.
6. Support the efforts of the farmers market to increase options for local food access.
7. Establish a town food security steering committee to develop planning and programming.
8. Preserve lands that can be viably/sustainably used for agricultural purposes.
9. Create an educational series on the food system on all scales: home production, community, and region.
10. Ensure community-wide health sovereignty: this includes mental health, food security, warmth/shelter, and basic needs.
11. Support growth in the agricultural sector to develop a broader, more diversified, stable food source in town.
12. Inventory our resources, capitalizing on the knowledge and experience of our town's residents (land, skill set, time, equipment and infrastructure) and envision a management strategy for unified production/process, and needs for further development.
13. Extend beyond our town into a regional interconnected system between our communities.

Recommendations

1. Walking is recognized as an essential part of healthy movement. The Planning Commission should see opportunities to improve the walking environment within the village.
2. The Town should consider creating a long-range recreation plan that utilizes the existing Town Center as a hub, seeks citizen input and good planning practices.
3. The Town should support and promote the efforts of the Vershire Food Shelf in assisting low income and food insecure residents.

VIII. Educational Facilities

In Vershire, our vision for education encompasses a holistic approach, focusing on three key areas: academic competency, community wellness, and the joy of lifelong learning. We commit to providing an educational environment where acquiring knowledge leads to real-world skills and competencies. Additionally, we recognize the importance of education in enhancing the well-being of our community. This includes addressing and supporting mental health challenges that arise from societal pressures, recognizing that these challenges can intensify if not properly addressed. Our goal is to integrate community education and support into the fabric of Vershire, ensuring a physically and emotionally safe environment for all. Inspired by the State of Vermont's initiatives, we strive to build a strong, interconnected community where education is not just about academic achievement, but also about nurturing well-rounded, mentally healthy, and continuously learning individuals.

A. Introduction

In 1998, voters in Vershire agreed to join the towns of West Fairlee, Fairlee and Orford, NH, in the creation of the Rivendell Interstate School District, the first of a few interstate K-12 programs in the United States. Vershire is represented by two elected members of the school board, and Vershire residents are also eligible to be elected as the At-Large board member.

Having strong school board representation is particularly important with Vershire being the smallest town in the district as well as the furthest town from the district offices and high school. Our weather and roads can be very different than Orford's, for example. Additionally, Fairlee and Orford both get three representatives on the board due to their larger populations. That numerical disadvantage makes it even more important that Vershire clearly represents our educational needs and coordinates closely with West Fairlee on matters affecting Westshire.

The school board does not manage the day-to-day activities of the district. Rather it hires and evaluates the Superintendent, who is charged with managing the District. The Board also serves as an appeal venue when parents or teachers disagree with the administration's actions. The school board also sets a long term strategic vision for the district as well as offering comments and suggestions to the administration on annual budgeting. The budget itself is voted on by district residents.

Roughly $\frac{2}{3}$ of property taxes are tied, though convolutedly, to district spending. It is important to communicate well about what is being spent and what the community gains from having good primary schools.

Students in grades Pre-K-5 now attend Westshire Elementary School in West Fairlee, built in 2000. All Rivendell District children in grades 6-12 attend Rivendell Academy in Orford, NH.

B. Educational Facilities

Mountain School of Milton Academy

The Mountain School, owned by the Milton Academy, is located on Mountain School Road in Vershire. It is a selective independent school that only takes high school juniors from around the country to learn, live and work on an organic farm.

C. Student Enrollment

Enrollments of Vershire students in the Rivendell Interstate School District (RISD) are reported annually to the Vermont Department of Education. Based upon annual student resident counts from the Department, average daily membership (ADM) at the school for grades (K-12) in recent years has been as follows:

Year	Westshire	Samuel Morey	Rivendell
2020-2021	94	170	187
2021-2022	103	158	204
2022-2023	89	123	253
2023-2024	95	122	238

Figure 9 - Average Daily Membership
Source, Vermont Department of Education

The Vermont educational system on the whole has been experiencing a decline in student enrollments and the same is true in RISD. The district has been struggling to find a way to maintain the high-quality of education that they offer in the face of increasing costs of special education and declining enrollment. All of the towns in this district are continuing to have a dialogue about this.

D. Adult Education

Adult education programs are limited in Vershire and the immediate surrounding towns. Vermont State University, located in Randolph, is the nearest institution for higher education, followed by Dartmouth College in Hanover, NH. There are branches of Community College of Vermont located in Montpelier, Hartford and St. Johnsbury, VT. Oxbow, NH also hosts an adult technical school. The citizen run nonprofit organization, VerShare, hosts a Wednesday morning “Civics Klatch,” guest speakers, movies and local authors throughout the year.

E. Community Life

The essence of community and its spaces plays a vital role in the education and development of Vershire's community members. The town's existing community strength is clearly visible through the active participation and support of various events organized by Town Committees, VerShare, and other groups. Activities ranging from ice rink

gatherings, Easter Egg Hunts, 5k runs, fireworks, music, and educational events not only offer recreation but also foster communal bonds. These events, along with traditional pursuits like hunting, snowmobiling, and ATV riding, create opportunities for residents to gather, think, play, and share laughter, strengthening community ties.

Moreover, acknowledging the diversity within the community — from newcomers to those with roots extending over a century — is crucial in our planning and community building. This recognition of the 'space between' different community members underlines the importance of inclusivity in our approach to nurturing a cohesive community. Through these communal spaces and events, Vershire doesn't just entertain; it educates and unites its people, bridging gaps between generations and backgrounds, and reinforces the communal fabric that is essential for a thriving, interconnected society.

E. Goals, Policies and Recommendations

Goals

1. Provide a safe and inclusive learning environment where all students are able to excel.
2. Educate our students at an equitable cost to taxpayers.

Policy

1. Provide sufficient and appropriate physical space and personnel to meet current and projected enrollments.
2. Leverage town and private local resources to promote education.

Recommendations

1. Establish a persistent working group to coordinate educational activities between The Mountain School and the town.
2. Work with the school district and local organizations to develop after-school and extracurricular programs for Vershire youth in order to ensure a comprehensive and well-rounded educational experience.

IX. Transportation

A. Introduction

The Vermont Agency of Transportation and the Vershire Selectboard jointly determine Vershire's road classification. There are four road classifications used by the State of Vermont. The classification determines the rate of State financial aid in the repair and maintenance of town roads (there is no State aid for class four roads). The classes are:

- Class 1: town highways which form the extension of a state highway route and which carry a state highway route number.
- Class 2: important town highways, often paved, with the primary purpose of linking towns and high traffic areas such as village settlements and state highways.
- Class 3: all traveled town highways other than Class 1 or Class 2 highways that are negotiable under normal conditions, all seasons of the year by a standard manufactured pleasure car.
- Class 4: all other town highways on which public use is limited.

B. Town Roads and Road Maintenance

Vershire has a total of 51.77 miles of town roads, consisting mostly of Class 3 roads. This does not include the 7.73 miles of Vermont Route 113 that runs through Vershire and is maintained by the State.

Class	Mileage
1	(7.73)
2	4.96
3	27.21
4	19.6

Figure 10 - Total Road Mileage
Source: VT Dept. of Transportation

Vershire has a Town Road Policy on file in the Town Offices that specifies the requirements for maintenance, improvement, discontinuance, laying out and acceptance of Town Highways. Variation in quality of Class 3 roads represents a balance between limited town resources and demands for services.

Vershire also has in place a speed/traffic and all-terrain vehicle ordinance enacted by Title 23 VSA and 24 VSA respectively.

Most of Vershire's residential properties are on Class 2 and Class 3 roads. There are about 53 residential properties on Class 4 roads in Vershire. Many of these are summer homes

and camps. Rowell Road, with six residences, is the Class 4 road with the most residential parcels on it.

State law requires that all towns keep their Class 1, 2 and 3 highways and bridges “in good and sufficient repair during all seasons of the year”. This requirement does not apply to class 4 highways. Commonly, maintenance of Class 4 roads only includes the replacement of culverts and maintenance of bridges in order to keep them passable by an off-road vehicle. It is up to the Selectboard to set policy with regard to the upkeep of Class 4 roads. Residents who locate homes on these roads are responsible for maintenance including snow removal and grading.

Residents who have homes located on Class 4 roads may request that the town allow the road to be improved to Class 3. The decision to do so rests with the Selectboard. Generally, the resident will have to bear all or a portion of the cost to improve the road. The maintenance of roads impacts the tax burden of all residents in Vershire. Improving Class 4 roads to Class 3 (thus requiring more maintenance) is only considered when it clearly benefits the community as a whole.

Culvert Maintenance

The Vershire Highway Department maintains an up-to-date list of culverts, as does the Vermont Association of Planning and Development Agencies (VAPDA, [linked here](#)). Priority projects are continuously identified and cost estimates will be generated to prioritize culvert upgrades for damaged and undersized structures.

Vermont Agency of Transportation Codes and Standards, which the Town of Vershire adopted on April 25, 2013, require a minimum size of 18 inches for new culverts. The process of upgrading culverts is ongoing.

C. Access Management

According to the Vermont Agency of Transportation (VTrans) definition, access management is a process that provides or manages access to land development while simultaneously preserving the flow of traffic on the surrounding road system in terms of safety, capacity needs, and speed. Access management is an important process to provide reasonable accessibility to adjacent land uses while maintaining a safe and efficient flow of traffic. Transportation professionals have established that a single, well-designed access to a public highway presents few concerns for the traveling public. However, if access has been poorly designed and/or its frequency increases, the road's health declines proportionally. The result is increased traffic congestion, crash rates, and road maintenance obligations to handle surface water improperly channeled to the road surface or shoulders. Ironically, these factors eventually compromise access to all land uses along the affected roadway. In many instances, towns are forced into costly highway expansion projects.

The town should consider amending the an access management policy to include some of the following strategies for all public and private transportation and development projects impacting local and state public roads as well as private roads:

- Utilize State of Vermont design standards for all temporary and permanent access, to include emphasis on drainage, sight distance, and access for emergency services;
- Encourage use of shared driveways and/or permitting access that may result in a future shared driveway;
- Require the review of access for existing development whenever a change of use, ownership, or other application process is brought before the Town;
- Encourage commercial properties to use existing development codes in order to preserve or create road segments with few accesses;
- When practical, approve subdivisions with private and public road designs that allow shared access with other adjacent subdivisions and/or have the private rights-of-way reserved so an access may be built to connect to existing and future development;
- Encourage permanent landscaping and roadside enhancements to visually define access points and contribute to the roadway's aesthetic character;
- Use sight-distance standards based on the actual travel speeds and not the posted speed limits. If no such data exists or is not current, then the town will work with the Regional Planning Commission to obtain the appropriate data.

D. Other Modes of Travel

Public Transportation

Because of Vershire's location, there is limited access to public transit in town. However, Vershire is within the service area of Tri-Valley transit, which took over Stagecoach Transportation Services. Tri-Valley has several public transit routes, including a route from Chelsea to the Upper Valley via Sharon, and a route from Bradford to DHMC using the new Thetford Park and Ride lot as a major stop-over.

Vershire residents can take advantage of Tri-Valley's Medicaid-supported "Ticket to Ride" program for senior citizens (60+) and persons with disabilities when there is not available transportation in the household or the person requesting the trips is unable to drive on the day of the trip.

Vershire's Energy Committee has been in discussion with Tri-Valley to create a route along the 113 corridor, including surveys in each of the four 113 towns in fall 2022 which generated substantial interest but not enough to justify a bus route. Shortage of drivers is a significant factor in the willingness of TVT to expand routes. They have encouraged Vershire to facilitate the Van pool system, in which VTrans provides a commuter van at a very modest daily rate, and someone agrees to drive it along a prescribed route at regular times. The Energy Committee is working to find commuter-drivers who would be willing to take this on. Overcoming safety fears, and being willing to be subject to a regular commuting schedule, has been the challenge so far, but it seems

worth the effort, given the possibility of removing tens of thousands of commuting miles per year with one successful vanpool.

Park and Ride/Carpooling

VTrans is actively encouraging and funding the creation of designated Park and Ride lots along major transportation corridors, to encourage carpooling. At this writing there are active discussions of designating a part of the Town Center parking lot as a Park and Ride, with perhaps the first stage being just official designation and signage, and the subsequent surface improvements, possibly a car-charger. The Energy Committee is also beginning to consider other informal lots, such as in the vicinity of the Goose Green Road/113 and Eagle Hollow Road/113 intersections, to further facilitate. The financial benefits of carpools are considerable - in addition to the saved fuel and time not driving, Dartmouth will waive parking fees (\$400/yr/driver) and provide a designated center-campus parking spot, for carpools of 3 or more.

Bicycles and Pedestrians

Many residents bike or walk on town roads in Vershire. In the more rural areas of town, bicycle and pedestrian travel is reasonably safe. Route 113 goes right through Vershire Center, and has been known as less safe due to higher traffic volume and speed, and lack of available shoulders.

With the core of Vershire Village (from the Post office, 6319 VT, to the Vershire Center Road) now a Designated Downtown, there is now considerably more interest in and need for pedestrian alternatives for this road. With high-quality repaving completed in 2021, road speeds are higher than before.

The 2003 Vershire Village Trail, from the Town Center via private properties to the Post Office, does exist, but it is in poor repair, little used, and only suitable for walking in summer months; however there is no apparent barrier to clearing and widening that route so that it could be more easily and regularly used. This would be quite a bit easier than creating a sidewalk on the north side of 113, though that option might ultimately be possible.

Since the 1970s there has been a dream of a pedestrian bridge across the Ompompanoosuc from the Town Center to a crosswalk on Route 113 that would lead to the Town Office. This vision was approved by Town voters in 2009, including authorization to accept the Ompompanoosuc river frontage from VerShare so that this could be a fully municipal project. The development of VerShare's Church Orr House as a community hub would be further enhanced by this direct connection. A bridge over or walking tunnel under 113 would truly be the dream, but in the short term that crosswalk and river bridge, and reduction of the speed limit from 40 to 35 or 30 would dramatically improve pedestrian and highway safety in the Designated Downtown.

Rail and Air Facilities

Vershire has no rail service. The nearest railroads are the New England Central Railroad (NERC) line that goes through Randolph and the Washington County Railroad that provides heavy haul freight services along the Connecticut River through Fairlee.

Vershire has no airports within its jurisdiction. The closest airports are Post Mills in Thetford, Rutland Regional Airport and the West Lebanon Municipal Airport in New Hampshire.

E. Transportation and Land Use Patterns

Our relationship with the land guides us in future human homebuilding and how that will be supportive of sustainable practices. This principle: be supportive of sustainable practices, applies to commercial as well as any enterprise in Vershire.

Land use patterns are greatly responsible for the development of roads in Vershire. Any new developments that are proposed in town should be encouraged to locate adjacent to existing roads. Commercial development that requires trucking and freight handling shall only locate on roads which can effectively handle the size of vehicle needed. The Selectboard will only consider adding additional roads in Vershire if it serves the greater public good.

F. Goals and Policies

Goals

1. Maintain Vershire's town roads.
2. Future development does not unnecessarily or unreasonably endanger or strain Vershire's road system.
3. Support local, regional and statewide efforts to provide transportation systems that meet the needs of all population segments and not just those who use automobiles.
4. Provide pedestrians and bicyclists with safe areas to travel within the Village of Vershire.
5. Provide regular maintenance and upgrades to transportation equipment and facilities provided that the costs of which do not put an undue burden on the people of Vershire.
6. Encourage reduction of personal vehicle transportation by developing public transportation and car and van pooling by creating designated Park and Ride lots.

Policies

1. Any new access, new construction, change of use, and any development of a land parcel that would create impacts on Vershire's road system shall be reviewed by the town. Where such development requires improvements to town highways, such costs shall be borne by the developer, in consultation with the Selectmen, and the Selectmen shall have sole power to change the classification of the road.
2. Any new residential or commercial development or changes of existing use must provide adequate off-road parking.
3. It is in the public interest to maintain the town's current highways, bridges, and related facilities, as it is necessary to ensure the current level of service.
4. It is in the public interest to develop park and ride lots and other means of facilitating shared transportation to reduce emissions and travel costs.
5. The town, as written in V.S.A. Title 19 Section 310 does not maintain Class 4 Highways, excepting bridges and culverts. The policy of the Selectboard is that before the town would consider adopting a new road or upgrading an existing highway, the abutting property owners shall be responsible for the cost of improving and/or building the road to town specifications. Final decision regarding the nature of the improvement rests with the Selectboard.
6. Given the interest in and benefits from biking, hiking, snowmobiling, cross-country skiing, and similar outdoor recreational activities, the town should, as an alternative to complete discontinuance of a highway, give full consideration to preserving Class 4 roads for recreational use by downgrading their status to a legal trail and thus retaining the public's interest in them.
7. An integral scenic element of the rural countryside is the network of back roads comprising the town's highway system. These byways are both visually and economically important to the town. If improvements are needed to accommodate increased traffic, it is important to consider the relationship of the road to the surrounding features of the landscape.
8. Strip development is not encouraged as a land use pattern. Such development occurs in a linear path along a right-of-way which often restricts visual and physical access to interior lands.
9. Minimize curb cuts to insure the proper function and performance of a town highway.
10. Design of access roads and related facilities provide for proper alignment of new or relocated driveways along a roadway.
11. The health of trees along town roads shall be periodically reviewed. Trees that are unhealthy or otherwise pose a substantial risk to travelers shall be removed.
12. Maintain Class 1, 2 and 3 roads according to the requirements of State Statute and to maintain Class 4 roads only to the extent required by law.
13. When considering upgrades of Class 4 Roads to Class 3, the Selectboard shall only do so if there is a clear benefit to the community and the cost of the improvement is shared by the residents requesting the improvement.
14. Any new developments that are proposed in town should be encouraged to locate adjacent to existing roads. Commercial development that requires large vehicle access (such as trucks) should only locate on roads which can effectively handle the size of vehicle needed.

Recommendation

1. The town should continue to maintain and update town bridge and culvert inventories. This information should be used to develop a schedule to replace undersized culverts.
2. Maintain the Selectboard approved park and ride lot at the Town Center Parking area. Signage was installed December 2024.
3. Actively pursue, including through land transfer, the creation of a route to allow easy pedestrian traffic between the Church-Orr House, Town Office, and Town Center (See Section IX below)
4. Continue maintenance of and access to pedestrian trails.
5. Facilitate shared transportation through available communication technology.

X. Current and Future Land Stewardship

A. Introduction

Each Town Plan exists in a particular context moving toward probable futures. Each Town Plan represents a particular ethical and moral framework. In this Town Plan the principles of Earth Jurisprudence and Earth Rights will guide in our thinking and emerging Town Plan. Earth jurisprudence is a philosophy of law and human governance that is based on the fact that humans are only one part of a wider community of beings and that the welfare of each member of that community is dependent on the welfare of the Earth as a whole. Earth Rights is a recognition that ecosystems have rights just as humans do, and places a duty on us to care for the Earth.

As discussed in chapter one, the “rural character” of Vershire is reflected in the natural environment of the town. Efforts to maintain the rural character of Vershire should not keep residents from making a living, provided that their occupation does not create great change to or overburden the town.

Vershire residents strongly indicated in recent surveys that we do not want strip development, large-scale commercial development and such endeavors that would dramatically increase traffic flow or use up valuable agricultural land with no regard for the natural appearance of Vershire. However, we welcome small industries, businesses and developments that can coexist within an area as rural and remote as Vershire.

B. Overall Land Use Goals: An overall understanding of our bio region and our place in that system.

Vershire is a space on the earth that is thick with forest, ledges, streams, deer, humans and many other forms and expressions of life. Our plan as humans in relation to this small bit of earth is structured by a commitment to support the life systems in which we live and breathe.

Vershire residents, understanding their relationship to the land and community life choose to move in this direction of denser settlement in the village area, surrounded by low-density residential, rural and agricultural areas and undeveloped open space.

Respondents to the 2024 survey strongly indicated that they would like the town to stay much the same as it is presently. Residents would encourage businesses that are consistent with their definition of “rural character,” such as home-based businesses, small retail shops, small restaurants, professional offices, eco/agri-tourism and inns or bed and breakfasts to locate in the Village Center Area. They would like to see commercial energy and telecommunications installations such as cell phone towers, solar arrays and wind turbines located outside of the Village Center.

In addition to the fact that trees take carbon dioxide out of the air and sequester it as wood, and that larger trees do this more effectively than small ones, mean that it is in the public interest to retain large trees where such trees do not pose a risk to other development (power lines, homes, roads, etc.)

Goals:

1. Channel the growth of Vershire so as to enhance its rural character, wildlife habitats, historic resources, and scenery.
2. Respect the community's identity and share qualities of scale and form with existing development.
3. Allow landowners to realize a reasonable and customary return from his or her land.
4. Balance the rights of landowners against the overall vision of the town.
5. Focus development so as to minimize the expansion of town services, specifically roads, and maximize open space.

B. Current Status of the Health of Our Relationship with the Land

The only concentrated settlement in Vershire is the village which stretches approximately a mile along both sides of Vermont Route 113, the major route that crosses the town from east to west. Most of the public buildings are also located along or near this strip of highway including the Town Office building, the Vershire Bible Church, the Village Cemetery, the Town Center Building with its bread oven playing fields and playground and the Church-Orr House, owned and operated by a 501(c) 3 organization known as VerShare, that contains the Vershire Community Library, the Made in Vershire Shop, and Stagecoach Stop, a hostel. In 2009 the town's registered voters approved the construction of a footbridge over the Ompompanoosuc River. This would offer a direct route for pedestrian foot travel from the Town Office and Church-Orr House to the Vershire Town Center Building. Private fundraising for this project will be addressed in the coming years.

Outside of the village area are the few remaining farms, a number of year-round and seasonal houses, and many large areas of forest. Few farms are maintained on a strictly commercial basis but many include some ancillary commercial activity such as raising animals for slaughter, growing fruit and vegetables, sugaring and tree farming. Year-round residences are generally along the major roads; seasonal vacation homes and camps are generally located in more remote areas. Approximately eight square miles of the southwestern corner of the town and four square miles of the northeastern corner, although crisscrossed by old roads and trails, remain all but uninhabited.

C. Proposed Land Use

Deciding the type of relationship with the land best facilitates our goals in terms of resilience, sustainability and the viability of the life systems within our town boundaries. We recognize that town boundaries, while important, don't reflect the reality of the bioregion we exist in. This means we need to be in dialogue with neighboring towns.

This Plan recognizes that not all land is equally suited for all types and intensities of development. It is the basic premise of this Plan that future land uses be sensitive to the physical limitations of a site and that in planning for the development of a parcel, more than market value of property be recognized. Accordingly, we designate three separate geographical areas in this section: the Village Center Areas; the Open Space Areas; and the Rural Residential Area. The physical boundaries of each are defined on the appended Land Use Map.

For each area below, the purpose is stated and policies are offered in terms of the compatible types of development, intensity of use, and the conservation of natural resources.

Furthermore, while we recognize that existing use of land and structures may not be entirely consistent with these proposals, it is the goal of this Plan that all future land development be in conformance with these policies and that Vershire's Development Ordinance be consistent with the intent of this document per V.S.A. Title 24, Ch. 117 § 4410.

Abandoned properties are seen as an eye-sore to the rural character of Vershire. An abandoned property is defined as private property in which the owner has left and has not transferred the property to another owner. An abandoned property can be deemed unsafe by the Fire Chief and the Health Officer.

D. Village Center Area

It is a fundamental premise of this Plan to make every reasonable effort to ensure and promote the continued use and enjoyment of the Village Center as a dynamic community center. Community activity in Vershire revolves around our village center. It is the recognized place for civic, economic and social interaction. Two limitations to the further development of this area are the Ompompanoosuc River and the limited available land. Nonetheless we hope that future development of retail and commercial uses, offices and community facilities will occur in this area along Vermont Route 113. Density within the village center should continue to be high, allowing for development to be tightly clustered within the area. The current zoning density of 1 acre shall be maintained.

Goals

1. This area is intended for community facilities, small businesses, and residence. Any development shall be planned to protect stream banks, scenic quality, village feel, and to harmonize with the Ompompanoosuc River.
2. Maintain a viable village center through proper planning and responsible development.

Policies

1. The density and location of development in this area should reflect existing settlement patterns, land capability, and the availability of utilities for expansion.
2. Shops and services, small businesses, professional offices and public facilities, at a scale and design appropriate to the existing characteristics, are encouraged.
3. Conversion of structures and older buildings of historic merit is encouraged to enable new and more economical uses of property and to avoid obsolescence.
4. Where new development is being planned, efforts should be directed to ensure that such development is reasonably complementary and compatible to the configuration of existing buildings and streetscape, and respects traditional scales, proportions, and shapes of the surrounding neighborhoods.
5. Major public investments should be encouraged and endorsed only on finding that they will not unreasonably or unnecessarily jeopardize or endanger the character of the Village Center. Planners are encouraged, prior to the commencement of plans, to consult with the town and affected property owners regarding these types of activities.
6. The Plan supports pedestrian enhancements that will promote safety, provided that they do not put an undue financial burden on the town.

Recommendation

1. The Selectboard should develop an ordinance to classify abandoned or destroyed properties and how to deal with them.

E. Open Space Area

History, geography, economics and far-sighted land management have all come together to give Vershire some special gifts, in the form of some unusually large areas of nearly uninhabited land. The town is fortunate to own Eagle Hollow Park and Patterson Mountain Municipal Forest, both located in those areas. These large areas are excellent for wildlife, especially bear, bobcat and moose, but have marked benefits for Vershire's people as well and also benefit our neighbors in other towns.

These areas provide opportunities for hiking, hunting, snowmobiling, cross-country skiing and horseback riding. The fact that these areas remain largely undeveloped has greatly reduced the demand for expensive town services. Since the land is generally held in large pieces and has good soils for forests, it should be able to serve as a working forest for a long time to come.

The policies set forth in the Plan for the town's Rural Residential Area should do a good job of protecting the bulk of the town from unwise large-scale development. However, it is understood that those policies will still allow building of residences and camps throughout much of that area. The creation of conservation areas with specific, restrictive policies recognizes that a line must be drawn around certain areas if they are to be protected. This is a tradeoff: allowing slow development in most of the town to continue much as it has, while setting aside specific areas where development will be closely reviewed. To maintain the open spaces and recreational opportunities available in the Open

Space Area, this Plan encourages residential development in this area only if it is located near existing roads.

The areas in the northeastern and southwestern corners were designated as open space areas because they have been seen over the years to be special; they connect to large undisturbed areas in adjoining towns, are largely uninhabited, are known to be favorable wildlife habitat, contain substantial wetlands and ridge tops in public view, and have large areas with steep slopes, all of which are things which townspeople wish to protect. Revising the Development Ordinance to require that any non-forestry development in these areas be reviewed and approved by the Town Board of Adjustment would increase the protection of this area.

Goals

1. This area is intended as open space for forestry, recreation and wildlife. Strive to keep the area open and wild.
2. In the interest of long-term carbon sequestration, consider policies that would incentivize the protection of intact blocks of mature forest, with forestry efforts focused on improving conditions for large mature trees.

Policies

1. Forestry operations are encouraged. Seasonal camps, other small-scale recreational facilities, and single-family homes are suitable for this area, provided that they do not unduly alter the rural and undeveloped character of these outlying areas. All other development is discouraged.
2. Development which occurs in this area should be located near existing roads so as to not require the expansion of Vershire's road system.
3. Impact on wildlife shall be considered prior to development. Monitoring and identification of necessary and significant wildlife habitat should be continued.

Recommendations

1. Consider revising the Development Ordinance to require Board of Adjustment review of any non-forestry development in this area.

F. Rural Residential Area

In this area, as in all locations in Vershire, future development will depend heavily on the availability of land to support on-site wastewater disposal systems and private water supply systems. Also steep slope areas have very low suitability for residential development. The soils in these areas are generally very shallow and prone to erosion once disturbed. The cost of siting buildings, driveways and septic systems in these areas is generally high, and the cost of public services such as road maintenance to these areas can be very high. For these reasons, the Planning Commission will discourage development on slopes greater than 20%.

We believe that favorable conditions for construction of buildings and wastewater disposal facilities should not be the sole determinant for development in Rural Residential Areas. New development needs to occur at a reasonable rate of growth so as

not to unduly burden the ability of the town to provide services. Special or unique resources, including critical wildlife habitats (e.g. deer wintering areas), historic sites, archeological sites and wetlands must be evaluated and planned for when developing projects in the Rural Residential Area.

Goals

1. Development of housing does not adversely affect the rural character.
2. In the interest of long-term carbon sequestration, consider tax and other policies that would incentivize the protection of intact blocks of mature forest within this zone, with forestry efforts focused on improving conditions for large mature trees.

Policies

1. Sites should be planned so as to concentrate development and maximize open space, while providing for privacy.
2. Maintenance of a rural living environment is the primary goal for the Rural Residential Area. Projects which adversely affect the rural setting and conflict with existing rural land uses should not be located in this area.
3. Residential and agricultural uses are to be the primary and dominant land uses in the Rural Residential Area. Commercial or industrial projects are considered less desirable in this area.
4. The establishment and operation of small entrepreneurial enterprises are consistent with the general purpose of this area.
5. Residents are free to conduct an occupation in their homes provided that the nature of the occupation is customary or appropriate in rural residential areas.
6. Any home business, commercial development or light industry - defined as a business which manufactures or processes materials or finished goods - shall be sited on a lot large enough and screened such that there is no significant odor or visual or audible effect of the project at the property boundary, and comply with state pollution laws. These enterprises should not cause an undue burden on the ability of the town to provide services, such as highways and fire protection.
7. Year-round operations/dwellings are encouraged to locate with frontage on class 1, 2, and 3 roads, not on Class 4 roads.

G. Flood Hazard Area

The Flood Hazard area runs from the Ompompanoosuc River Crossing at Bridge 20 to the border of Vershire and West Fairlee along the Ompompanoosuc River.

Floodplains are often excellent agricultural land due to the thick layers of river-borne soil deposited there. Floodplains also provide natural storage of floodwaters resulting from snowmelt or severe or prolonged rainstorms. Floodplains are poorly suited for structural development. "One-hundred-year" flooding in Vermont has now become nearly an annual event, and it seems only a matter of time before the Ompompanoosuc has its turn. It is

prudent town policy from a public safety standpoint to discourage structural development in floodplain areas. In 2010, the town adopted a Flood Hazard Ordinance and is participating in the National Flood Insurance Program.

Goals

1. Keep as intended; agricultural use on the high-quality soils of the floodplain.

Policies

1. Agriculture is encouraged in this area.
2. New development within the limits of the 100-year floodplain are discouraged. Improvements to existing structures in the floodplain are acceptable, provided that careful planning is done to insure against unnecessary loss of property or public endangerment.

Recommendations

1. Consider revising the Development Ordinance to require Board of Adjustment review of any development other than agriculture in this Area.

H. Transportation and Land Use Planning

Vermont planning law provides a mechanism to address the inherent problems posed by transportation in relation to land use. Public investment priorities for state and town roads can be managed to minimize land use impacts that are not in accordance with policies set forth in this plan. The Town of Vershire is rural, with a compact village, whose residents value and cherish its small-town appeal.

Goals

1. Support land use policies and development projects which complement existing transportation investments.
2. Only projects of a size and scale which do not materially interfere with the function, safety, and efficiency of town and state highways should be permitted.
3. Increases in traffic should not create unreasonable congestion or unsafe conditions; developments which generate considerable round-trip truck or automobile travel should be limited.

XI. Natural Resources

A town is more than buildings and roads, it includes people, their history, and their relationships with one another. A town is also its land: its topography, soils, waters, vegetation, forests, and wildlife the land supports. Vershire, like all towns, has been shaped by the land and natural resources it supports.

In the 2024 survey, 78% of Vershire residents stressed their interest in preserving the rural character of the Town by conserving undeveloped land for recreation, and wildlife. It is worth noting that good agricultural use of open lands, well-managed forestry and reasonable recreational use of open space are themselves sound conservation practices, adding not only to the rural character of the Town but also to the effort to preserve open space.

A. Wetlands

Wetlands are ecologically fragile areas and how these lands are managed have a direct bearing on the quality and quantity of water resources.

The Vermont Agency of Natural Resources estimates that wetlands comprise less than 5 percent of the surface area of Vermont. In addition to being Vermont's most productive ecosystem, wetlands serve a wide variety of functions beneficial to the health, safety and welfare of the general public, including the following:

- Retaining storm water run-off, reducing flood peaks and thereby reducing flooding;
- Improving surface water quality through storage of organic materials, chemical decomposition and filtration of sediments and other matter from surface water;
- Providing spawning, feeding and general habitat for fish;
- Providing habitat for a wide diversity of wildlife and rare, threatened or endangered plants; and
- Contributing to the open space character and the overall beauty of the rural landscape.

In 1986, Vermont adopted legislation for the protection and management of wetlands (10 V.S.A., Chapter 37). Determination of whether a wetland merits protection is based on an evaluation of the extent to which it serves the general functions outlined in the bulleted list above.

Under the Rules, if land development can be expected to impact a protected wetland, such activity cannot commence unless the Vermont Agency of Natural Resources first grants a Conditional Use Determination (CUD). A CUD will be granted when it is determined that the proposed use will not have an undue adverse impact on the function of the wetland. In many cases, such approvals are granted with conditions to mitigate impacts and to more readily serve the purposes of wetlands protection.

For Vershire, as well as the State, the most significant wetlands have been mapped and are included as part of the National Wetlands Inventory (NWI) prepared by the U.S. Fish and Wildlife Service. These wetlands have been delineated on U.S. Geological Survey (USGS) topographic maps, and by reference are made a part of this Plan. Other smaller wetlands often do not show on these maps, so a field determination by a qualified biologist is needed for most activities that involve state permits. It is important to note that future investigations of wetlands within Vershire may result in additional areas being determined as significant or important for conservation.

Goals

1. Identify and encourage land use development practices that avoid or mitigate adverse impacts on significant wetlands.

Policies

1. Structural development or intensive land uses are discouraged from locating in significant wetlands or within buffer zones to significant wetlands.
2. Developments adjacent to wetlands should be planned so as not to result in undue disturbance to wetland areas or their function. Mitigating measures to protect the function of a wetland are an acceptable measure.

B. Water Resources

Vershire's water resources include aquifers (groundwater) and surface waters. Sustainable yields of quality water are necessary for the lives and livelihood of citizens of Vershire.

The Vermont Agency of Natural Resources, in cooperation with federal and other state agencies, has evaluated aquifer recharge areas serving systems involving 10 or more connections or 25 or more people. These recharge areas are acknowledged and are recognized as important for protection. Land developments that are potential threats to water quality and significant aquifers are discouraged from locating in these areas.

In recent years, underground fuel storage tanks have been identified as major threats to water quality. Studies conducted by the U.S. Environmental Protection Agency (EPA) have shown that the average fuel tank is likely to leak within 15 years from installation. To lessen the risk of contamination, the Vermont Agency of Natural Resources has promulgated rules to monitor underground tanks with a capacity of 1,100 gallons or more. Tanks in excess of this capacity must be registered with the town. In addition, replacement of underground tanks are subject to rigid standards.

The Ely Mine in South Vershire was operational in the 1800s to early 1900s and at one time was one of the biggest copper mining operations in North America. The site was proposed to be listed on the EPA's National Priorities List for environmental pollution in 2001 and there has recently been a proposed plan from the EPA for cleanup of the site.

Currently, the mine has several unstable mine waste (slag) piles that are leaching metals and other pollutants into the surface waters of the area and subsequently into several tributaries of the Ompompanoosuc River.

The investigations at the Ely Mine Superfund Site have also revealed some groundwater contamination in areas beneath and adjacent to the mine's waste areas. A preliminary map of the extent of groundwater contamination was developed by EPA. The groundwater contamination associated with the waste areas appears to be contained within the Ely Mine Site and the residential wells in the area were found to be clean.

A second area of concern regarding groundwater contamination is the underground workings associated with the former Ely Mine. The tunnels extend very deep below the ground surface and will be the focus of additional investigations by EPA. As a precautionary measure, EPA would advise that water supply wells not be installed in close proximity to the underground workings.

The proposed plan to clean up the Ely Copper Mine site was presented at a public meeting in August of 2011. Throughout 2023 an archaeological survey took place for historical documentation of the site before remediation. As of October 2024 the EPA has begun a clean up of the former mine site, this will take a few years to complete.

Goals

1. Maintain or enhance the quality and quantity of drinking quality groundwater resources.
2. Allow use of groundwater resources by new development in such a manner to protect the public right to adequate quality and quantity of the resource.
3. Consider surface water and groundwater impacts and effects related to proposed or existing uses of land.
4. Maintain or improve surface water quality and quantity.
5. Create publicly accessible springs.

Policies

1. Water withdrawal from underground sources should ensure that existing groundwater users are not adversely affected.
2. Aquifers and surface waters should not be significantly depleted and water should be properly allocated between actual and potential uses.
3. Land use activities which potentially threaten groundwater quality should be carefully reviewed and monitored to prevent undue loss of quality to groundwater.
4. Maintenance or enhancement of water resources for recreation, fisheries, necessary wildlife habitats and quality aesthetics are high priorities. Water resource policy and practices should protect these uses.
5. The location, sizing and density of on-site sewage disposal facilities should be determined by the capacity of the soil, the natural limitations of the site, and

underlying substrata conditions, such as depth to bedrock and seasonal high water tables.

6. Preservation of the natural state of streams should be encouraged by:
 - Protection of adjacent wetlands and natural areas;
 - Protection of natural scenic qualities; and
 - Maintenance of existing stream bank and buffer vegetation including trees, together with wildlife habitat.
7. Municipal buildings should be situated to avoid potential contamination of the water supply.

Recommendations

1. Encourage a community water quality monitoring program for the Ompompanoosuc River.
2. Investigate maintaining and improving public access to the river for recreational use.
3. Consider revising the Development Ordinance to include a suitable setback and buffer from the top of the banks of any perennial stream.
4. Support efforts to map aquifer recharge areas.

C. Wildlife and Forest Resources

Forests

Healthy forests provide a significant number of benefits to our communities, including environmental benefits (such as clean water supply, clean air, mitigation against climate change, wildlife habitat, and biological diversity), and economic benefits (such as tourism, recreation, and the wood products industry).

Trends in forest health have changed over the past decade. In the 2013 US Forest Service's National Forest Inventory and Analysis Program report, figures indicated that since 2007 there has been a continuing, though gradual, loss of about 75,000 acres of forestland in Vermont. Developed land in Vermont increased significantly between 1980-2010 (67%). The pattern of development growth has led to significant forest fragmentation throughout the state.

Forest Fragmentation

Forest fragmentation is the breaking of large, contiguous forested areas into smaller pieces of forest. For natural communities and wildlife habitat, the continued dividing of land with naturally occurring vegetation and ecological processes into smaller and smaller areas creates barriers that limit species' movement and interrupt ecological processes. Since the 1980s, Vermont has experienced "parcelization," which is the result of larger tracts of land being divided into smaller ownerships or land holdings. The more individuals that own

smaller parcels of forest, the more likely that the land will ultimately be developed with infrastructure (such as roads and utilities) and buildings.

Forest fragmentation affects water quality and quantity, fish and wildlife populations, and the biological health and diversity of the forest itself. When many small habitat losses occur over time, the combined effect may be as dramatic as one large loss. Forest fragmentation can disrupt animal travel corridors, increase flooding, promote the invasion of exotic vegetation, expose forest interiors, and create conflicts between people and wildlife. Habitat loss reduces the number of many wildlife species and totally eliminates others.

To help mitigate the effects of human population growth and land consumption, many scientists and conservationists urge governments to establish protected corridors, which connect patches of important wildlife habitat. These corridors, if planned correctly, allow wildlife to move between habitats and allow individual animals to move between groups, helping to restore or maintain genetic diversity that is essential both to the long-term viability of populations and to the restoration of functional ecosystems. Important corridors have been mapped in Vershire, in relation to work done by the Linking Lands Alliance.

Wildlife

Wildlife is one of the popular attractions to the area and provides some citizens of Vershire with direct and indirect livelihoods from sports, tourism or direct harvest of wildlife. Additionally, the interconnection of wildlife with their environment has an impact on the natural environment.

Wildlife management requires management of human activities around animals as much as management of animals around human activities. Managing for specific species is not as desirable as managing for the entire ecosystem supporting the species.

Vershire's fields, forests, wetlands and streams are home to a diverse and healthy wildlife population that includes bear, bobcat, moose, deer, otter, geese, ducks and mink, to name only a few. Nearly all open space provides habitat for game and non-game species. There are, however, some areas in Vershire which provide critical habitat that should remain intact. These areas include wetlands, deer wintering areas, bear mast stands, and edge zones (the transition zone between two cover types, such as field and forest). Development or logging in or adjacent to these areas should consider wildlife implications during the planning process.

Wintering areas are an important habitat requirement for deer during the critical winter months when snow depth and climate are limiting factors to survival. Typically these areas consist of mature softwood stands, at low elevations or along stream beds, which provide cover and limit snow depths. Southerly facing slopes are also beneficial due to good sun exposure and may be utilized even in areas of limited softwood cover. More specific factors, such as percent canopy closure, species of softwoods, and stand age, also figure into the quality of the wintering area.

Most important when considering development and its impact on wildlife is the concept of habitat fragmentation. Forests provide habitat to a diverse population of wildlife, which are negatively impacted when forested land is fragmented through development

Goals

1. Maintain or enhance the natural diversity and population of wildlife, including natural predators in proper balance.
2. Restore stable populations of endangered or threatened wildlife in appropriate habitat areas.
3. Maintain or improve the natural diversity, population, and migratory routes of fish.
4. Allow sport and subsistence hunting of ecologically sound intensities to provide continued success of the species.
5. Reduce the fragmentation of forestlands.
6. Provide the community with access to quality forestland for recreational use.

Policies

1. Wildlife populations and natural diversity should be maintained or enhanced.
2. Long-term protection of major habitats through conservation easements, land purchases, leases and other incentives is encouraged.
3. Deer wintering areas and endangered species sites should be protected from developments and other uses that adversely impact the resources.
4. Development other than isolated houses and camps shall be designed so as to preserve continuous areas of wildlife habitat. Fragmentation of wildlife habitat is discouraged. Effort shall be made to maintain connecting links between such areas.
5. Preference shall be given to development that utilizes existing roads and field lines.
6. New developments shall take reasonable steps to avoid disruption or loss of major identified wildlife corridor crossings.
7. The construction of utilities, roads, or other physical modifications in the priority areas identified in this Plan as important forest blocks and habitat connectors is incompatible with this Plan.

Recommendations

1. Consider revising the Development Ordinance to include a suitable setback from all state-defined wetlands, and state-defined necessary wildlife habitat for endangered species.
2. Encourage owners of necessary habitat for threatened species to contact the state for assistance in developing a management plan for these sites.

D. Mineral Resources

Background

The use and management of Vershire's earth and mineral resources are matters of public good. Maintenance of sustainable quantities of gravel, sand, crushed rock, and other

materials are essential for the development of industry as well as state and local highways. In spite of this, public and private interests are oftentimes in conflict over utilization of the resource. It is in the interest of the Vershire business owners and residents to enable utilization of these resources when such uses do not significantly inhibit or conflict with other existing or planned land uses, or are in conflict with other stated goals in this plan.

Goals

1. Appropriate utilization of mineral resources is enabled.
2. Extraction and processing of the resource where such activities are appropriately managed and the public interest is clearly benefited thereby are encouraged.

Policy

1. Existing and proposed mineral extraction and processing facilities should be planned, constructed, and managed:
 - So as not to adversely impact existing or planned uses within the vicinity of the project site;
 - To not significantly interfere with the function and safety of existing road systems serving the project site;
 - To minimize any adverse effects on water quality, fish and wildlife habitats, and adjacent land uses; and
 - To reclaim and re-vegetate sites after their useful life.

XII. Flood Resilience

A. Background

Following the impact of Tropical Storm Irene in 2011, the Vermont Legislature added a requirement that all communities address flood resilience as part of their municipal plans. Interpreted broadly, “resilience” means that an entity—a person, neighborhood, town, state, region or society— when faced with a particular situation or event, has the ability to effectively return to its previous state or adapt to change(s) resulting from the situation or event without undue strain. As such, “resilience” is an overall preparedness for a future event. For the purposes of this chapter, flood resilience will mean the ability of Vershire to effectively understand, plan for, resist, manage and, in a timely manner, recover from flooding.

Floodplains and river corridors fill an important need, as flood waters and erosive energy must go somewhere. Development in the floodplain can lead to property damage and risks to health and safety. Development in one area of the floodplain or river corridor can also cause increased risks to other areas by diverting flood flows or flood energy. Debris carried by the floodwater from one place to another also poses a danger. Flooding is worsened by land uses that create impervious surfaces that lead to faster runoff, and past stream modifications that have straightened or dredged channels, creating channel instability.

Historic Flood Events

One of the worst flood disasters to hit the Town of Vershire, as well as the overarching region and the State of Vermont, occurred on November 3, 1927. This event was caused by up to 10 inches of heavy rain from the remnants of a tropical storm that fell on frozen ground. A more recent flood event that devastated the region and the state was the result of Tropical Storm Irene, which occurred on August 28, 2011. Record flooding was reported across the state and was responsible for several deaths, as well as hundreds of millions of dollars of home, road, and infrastructure damage. Due to the strong winds, some in excess of 60 mph, 50,000 Vermont residents were initially without power, and many did not have electricity restored to their homes and businesses for over a week.

Tropical Storm Irene caused widespread damage to property and infrastructure in the Town of Vershire due to an estimated 6-7 inches of rain that fell during the storm, some of the highest precipitation totals in Orange County. It is thought that the flooding that occurred as a result of Tropical Storm Irene was close to or equal to a 500-year flood, or a flood that has a .2% chance of occurring every year. Much of Vershire’s road infrastructure was damaged by the storm, including Eagle Hollow Road, Eastman Cross Road, North Road, Parker Road, South Vershire Road, and Vershire Center Road. The county-wide damage for Orange County totaled \$5 million. The storm damage for Vershire totaled \$113,743.71 according to FEMA’s public assistance database, which captures at least 70% of the total damage.

Heavy widespread rainfall hit the region on July 1, 2017 that caused extensive damage. Some local communities experienced up to 6 inches of rain that took several roads out. It is estimated that four to five thousand dollars in road damage occurred in Vershire.

In 2023 and 2024 Vershire experienced more historic flooding. The approximate total flood damage to Vershire in 2023 is estimated at \$1,545,355, this includes equipment, labor, and materials. Some emergency mitigation funding has been obligated, but not all. The State reports that Vermont has enough damages in 2023 to warrant 90% reimbursement from FEMA, and the State will reimburse at 7.5%. Additional funding for 2023 and 2024 has not been estimated yet.

B. Flood Hazard and River Corridor Areas in Town

Flood Hazard and River Corridor Areas

There are two sets of official maps that govern development in floodplains in Vermont. They are the Federal Emergency Management Agency's (FEMA) Flood Insurance Rate Maps (FIRMs) and VT Agency of Natural Resource's River Corridor area maps. The FIRMs show the floodplain that FEMA has calculated would be covered by water in a 1% chance annual inundation event also referred to as the "100 year flood" or base flood. This area of inundation is called the Special Flood Hazard Area (SFHA). FIRMs may also show expected base flood elevations (BFEs) and floodways (smaller areas that carry more current). FIRMS are only prepared for larger streams and rivers. Vershire has FEMA FIRM maps that are used in the administration of their Flood Hazard Bylaw administration. FEMA FIRM Maps were last updated for the Town of Vershire on January 17, 1975. No Flood Insurance Studies (FIS) have been conducted for Vershire. FEMA FIRM Maps are available for the Main Branch of the Ompompanoosuc River. Vershire contains 128 acres of floodplain, with no mapped floodway, the deepest, fastest flowing area in a flood. The floodplain comprises 1% of the town.

In the Town and Village of Vershire, 11 total structures reside in the special flood hazard area, meaning they have 1% chance of flooding every year. These structures consist of 8 single family dwellings, 1 camp, 1 mobile home, and 1 other residential dwelling. If all of the structures in the Special Flood Hazard Area were damaged or destroyed in a flooding event, the damage would total over \$1,500,000.

Additionally there are 25 structures that reside within the mapped River Corridor. These consist of 3 mobile homes, 1 multi-family dwelling, and 20 single-family dwellings. If all of these structures were damaged and destroyed, the damage would total over \$3,000,000. In an effort to help reduce the risk to health, structures, and road infrastructure, it is important to restore and improve the flood storage capacity of existing floodplains and to increase the overall area for retention of floodwaters in Vershire.

Flood Hazard Regulations

The Town of Vershire has a Flood Hazard Bylaw that was adopted in 2018. In order to build in the Special Flood Hazard Area, a permit must be issued by the Town's

Development Administrator, and significant construction must also receive Conditional Use Approval by the Board of Adjustment.

A flood hazard development permit is required for all construction in the Special Flood Hazard Area. This is the only permit that is required for minor improvements to existing structures that do not involve fill and do not decrease structure setbacks from any streams, for at-grade parking areas that are at least 50 feet from the top of the bank; and non-enclosed accessory structures. Along with a development permit, Conditional Use Approval is required for new structures, substantial improvements to existing structures, and fill or excavation in the Special Flood Hazard Area.

The purpose of the Flood Hazard District is to minimize and prevent the loss of life and property, the disruption of commerce, the impairment of the tax base, and extraordinary public expenditures and demands on public services that result from flooding and other flood related hazards, and that it makes the municipality and individuals eligible for federal flood insurance and other disaster recovery and hazard mitigation funding.

The Flood Hazard Area Bylaw prohibits development or any encroachments, except for improvements to existing structures, within the floodway. These exceptions require Conditional Use Approval prior to permitting, and must demonstrate through hydrologic studies that the proposed development will not increase flood levels.

In the Special Flood Hazard Area, all development must be designed so that it is reasonably safe from flooding; designed anchored to prevent flotation, collapse, or lateral movement during flooding; constructed with materials that are resistant to flood damage; constructed by methods and practices that minimize flood damage; and contain service facilities are designed and located to prevent water from entering and accumulating during flooding. New construction of residential and non-residential development in the Special Flood Hazard Area shall have its lowest floor elevated to at least one foot above base flood elevation.

The River Corridor Area is not subject to specific regulatory conditions in the Town and of Vershire Flood Hazard Area Bylaw.

C. Goals, Policies, and Recommendations

Goals

1. Maintain and improve the quality of Vershire's surface and ground waters.
2. Enhance and maintain use of flood hazard areas as open space, greenways, non-commercial recreation and/or agricultural land.
3. Ensure no net loss of flood storage capacity in an effort to minimize potential negative impacts. These impacts include the loss of life and property, disruption of commerce, and demand for extraordinary public services and expenditures that result from flood damage.
4. Protect municipal infrastructure and buildings from the potential of flood damage.

5. Ensure infrastructure is viable to support the community before, during and after a catastrophic event.

Policies

1. Use sound planning practices to address flood risks so that Vershire's citizens, property, economy, and the quality of the town's rivers as natural and recreational resources are protected.
2. Vershire prohibits all new fill and construction of buildings in mapped floodways (*Mapped areas, unless corrected by FEMA*).
3. Do not build Vershire's emergency services, power substations, and municipal buildings in the Special Flood Hazard or River Corridor Areas.
4. Maintain Vershire's upland forests and watersheds predominately in forest use to ensure high quality valley streams and to ensure that flood flows are reduced.
5. All wetlands which provide flood storage functions shall remain undeveloped. In the long term, restoration and enhancement of additional wetlands should be pursued in order to improve Vershire's flood resilience.
6. After flood events, recovery and reconstruction within the river area should be managed according to the Vermont River Program's best practices in order to avoid negative impacts downstream.

Recommendations

1. All substantial improvements to structures should be elevated 2 feet above base flood elevation (BFE).
2. Vershire should work with VTrans and TRORC on advocating for and improving the flood capabilities of state or town-owned transportation infrastructure, to include bridges that may be at risk of being washed out, potentially resulting in bifurcating the town's residents from critical services.
3. Vershire should continue working to update hazard mitigation plans and emergency preparedness and recovery procedures.
4. The Selectboard should continue to send a representative to regularly attend and participate in the region's Local Emergency Planning Committee (LEPC #12).
5. The town should continue to maintain and update town bridge and culvert inventories. This information should be used to develop a schedule to replace undersized culverts.

XIII. Scenic and Historic Resources and Recreation

The town of Vershire is committed to preserving our cherished town forests to ensure it remains a vibrant and sustainable resource for future generations. Our goals are to balance recreational opportunities with environmental stewardship, fostering a space that benefits both our community and the planet. Goals include:

- a. Expand and preserve a variety of recreation and hunting opportunities. Refer to the Town Recreation Committee.
- b. Maintain a wilderness corridor for wildlife in these important blocks of land
- c. Work towards old growth forest to preserve and expand carbon storage and sequestration processes, and buffer lands from flooding.

Scenic and historic resources are considered valuable by the community for their aesthetic beauty, ecological integrity, and connection to the past. Vershire possesses a range of natural and historical resources that are vital to defining the distinctiveness of what it means to be a resident of Vershire. Preservation of these resources, whether part of the built environment (historic buildings or features of traditional working landscapes) or biologically rich natural areas, is vital to the health of the whole community.

The following areas are significant to the Town of Vershire:

A. Eagle Hollow Park

In December 1986, John and Marie McArthur donated 108 acres of land on Eagle Hollow Ledge to the town to be held in perpetuity and hereafter called “Eagle Hollow Park.” The land, donated in the name of Truman and Nettie Bixby Parshley, cannot be sold, transferred or deeded to any person, persons, corporation, authority or government. Furthermore, “said premises [are to] be held in [their] present wild and natural state, so far as possible, for recreational, educational and research purposes, although timber cutting to help finance town projects may be permitted and under supervision of the Selectboard of Vershire,” and if so allowed by Act 250 and its amendments.

Eagle Hollow Park lies north and east of Eagle Hollow Road and extends eastward nearly to Parshley Road. It is an area of steep slopes, shallow soils, mixed soft and hardwood forests, and tall cliffs that beckon climbers. Hikers, snowshoers, and hunters also enjoy the area. The elevation difference from its lowest to highest point is 660 feet, with the summit elevation of 1820 feet.

Eagle Hollow Park is home to wildlife and a diversity of native plants. Among the mammals observed are bear, porcupine, bobcat, fisher, deer, and moose. 36 species of songbirds inhabit the area. Peregrine falcons nest on perches on the cliff faces and portions of the cliffs are closed to climbers in spring and part of summer.

In recent years, the cliffs of Eagle Hollow Park have become popular with rock climbers. More than twenty climbing routes have been established, many with fixed anchors which enables sport climbers to ascend the cliffs. Hikers also make their way to the top of the second and third (top) levels. Some erosion of trails has been noticed and this must be carefully watched; discussions have been held about improving the trails in various spots to mitigate erosion with steps and / or waterbars. The town may also wish to consider oversight of additional fixed anchors on the climbing routes along with possible improvements to parking and signage.

A detailed management plan for Eagle Hollow Park was approved in April 2003. It is recommended in the Land Use section of this plan that Eagle Hollow Park remain within the area designated as Open Space and protected from development accordingly.

B. Patterson Mountain and Area

In January 1985, Sarah Drew donated 26.5 acres on Patterson Mountain to Vershire to be used as a municipal forest. Development rights on adjacent lands were donated to the Upper Valley Land Trust by the Ashley family in 1991. The donation includes a right of way from Vershire Center Road. A driveway for access to a private residence just outside the right of way runs in the first 800' of the right-of-way; at the point where the driveway leaves the right of way there is a small gravel parking area, trail signs and a trailhead kiosk. A trail to the summit has been cut near but not wholly within this right of way and is maintained by the Cross Rivendell Trails Association. An interpretive trail guide has been written and copies provided at the trailhead kiosk. Two fields near the summit of Patterson Mountain provide fine views and are kept open by the Cross Rivendell Trails Association using informal access from the south from Moody Swamp Road. That informal access is also used by snowshoers and skiers in winter. There is another woods road providing informal access from the east. Both of these informal accesses have been used by snowmobiles and ATVs.

The trail to the summit of Patterson Mountain is part of the 36-mile Cross Rivendell Trail from Flagpole Hill in Vershire to Mt. Cube in New Hampshire. Several miles of this trail lie within Vershire town limits and provide opportunities for recreation, wildlife observation, and photography.

In addition to the town owned property on Patterson Mountain, surrounding areas include Hawkins Mountain which is a substantially valuable scenic and recreational resource.

A detailed management plan is in place for this property. It is recommended in the Land Use section of this plan that this area remain designated as Open Space and protected from development accordingly. While in general the property has seen light use and no known user conflicts, there are issues which may need to be resolved. The portion of the south woods road that is in the Town Forest just south of the summit is quite steep and seriously eroded, and intensification of use by ATVs could worsen this situation. The informal accesses from south and east are not deeded rights of way which could present

issues for maintenance activities requiring motorized access. The formal right of way from Vershire Center Road does not fully contain the existing trail; that trail is solely a footpath and not suitable for motorized recreation. The forest composition includes a significant presence of white ash which will likely be impacted by the Emerald Ash Borer in the near future. The Management Plan may need to be updated to reflect these situations.

C. Town Center

The Vershire Town Center is a comprehensive center for Town recreational and cultural life. The Town Center is an 18-acre property with a mix of fields and forests, with the Town Center Building, parking area, lawns for functions, a large multipurpose recreational field, a hiking trail (2002), playground (2005), pizza oven with pavilion (2009), 30x42 recreation pavilion (2023), dedicated ice skating rink, (2023) and several storage sheds for recreational and program equipment. The hiking trail is used for foot travel in summer and snowshoeing in winter and connects to informal trails on private land. There is potential to develop a more extensive trail system on private lands and to improve the trail on the Town Center property to make it suitable for running, mountain biking and cross country skiing.

Vershire's main community owned historic resource is the Town Center building. The building is a converted church, obtained by the Vershire Historical Society in the early 1970s and moved from South Vershire to its current location in 1978 when it was donated to the town. It provides space for town meetings, community events, and private functions. The Town Center also houses the Vershire Historical Society's artifact and archival collections.

D. Ely Mine

Located in southern Vershire, the Ely mines were among the largest copper mines in New England and operated from about 1850 to 1900. Together with copper mines in South Strafford and Corinth, the Ely mines provided much of the copper in the United States at the time. During the Civil War, the Ely mines were the biggest copper producer in the Union. The Vershire Historical Society has led tours of the mine and plans to resume them following the environmental mitigation project. Beginning in 2022, the Ely mines were designated as a Superfund Site under jurisdiction of the U.S. Environmental Protection Agency. The EPA and archeologists from Vermont have documented historic sites and artifacts at the mines and are presently cleaning polluted waterways and building a containment cell for thousands of tons of waste rock, ore roast beds, and smelter wastes.

E. Additional Vershire Historic Sites

These include some remaining portions of saw and grist mills from the eighteenth and nineteenth centuries,, three town cemeteries, and several sites on or adjacent to the old Vershire Common on Vershire Center Road near the Mountain School. Among these are the locales of the Congregational Church and parsonage and the Slaughterhouse building.

The Vershire Historical Society is dedicated to cultivating a deep understanding of Vershire history by gathering stories from residents and interpreting photographs, archival records, and artifacts about schools, churches, homes, farms, and businesses.

F. Goals:

1. Eagle Hollow Park: Continue to monitor trail conditions for erosion and consider improving trails to minimize deterioration. Further discuss the use of fixed anchors with an eye to protecting the rock faces and environment.
2. Patterson Mountain: Continue to manage the summit forests to ensure a high quality viewshed; work with private landowners to provide access to the Cross Rivendell Trail; update the management plan to provide for forest management in light of the Emerald Ash Borer; and provide access for a variety of users.
3. Town Center: Continue to develop this site for a variety of recreational and social purposes, including improvements to the trail network to allow for a wider variety of uses in all seasons.
4. Historic Sites: Protect and interpret valuable structures and sites to deepen public appreciation of Vershire history.

XIV. Energy

A. Overview

Historically, energy supply has been taken for granted because it is relatively abundant and cheap. Only during “crisis” has society considered the finite supply of non-renewable energy sources. Although earth’s limited supply of natural resources for energy production is a global problem, steps taken at a local level can have a significant impact if taken by all towns.

Climate Change is now the new factor in this discussion. Vershire’s Energy Committee is working to achieve net zero greenhouse gas emissions (including oil, gas, and wood) by 2030. The State of Vermont is conducting an energy audit that is estimated to be available in 2025. Wood is considered renewable, and cleared areas regrow as forests, sequestering carbon in the long term, so in that way, are less of a long-term problem than fossil fuels, but in the short term, burning wood emits carbon dioxide and particulates into the atmosphere at a time when all effort needs to go into reducing emissions. Energy conservation should be prioritized over new sources of energy. Therefore it is best to reduce energy usage in homes. Once energy use has been reduced as much as possible, use heat sources that do not generate greenhouse gas emissions. Currently this includes direct solar heat, and then methods that use renewably sourced (ideally, locally generated) electricity to move heat using air-air, air-water, and water-water (geothermal) heat pumps.

Local land use planning affects how much energy is needed and used in a town. Dispersed and uncoordinated development can waste both land and energy resources and lead to costs, such as additional or upgraded roads that could have been avoided. Siting and design of buildings and selection of building components and energy systems for energy efficiency can save money over the long run and reduce exposure to volatile energy markets that are driven by state, national, and international forces.

The overall goals of this energy plan are: (1) to encourage the responsible development of local renewable energy sources and to reduce dependence on outside energy sources; (2) to promote the installation and use of energy efficiency measures that are cost-effective over their life and to encourage the use of renewable energy to meet the remaining demand.

The most recent Energy Data for Vershire is from 2017 and can be reviewed in Appendix B of this plan. This data was provided by TRORC and should be used to ensure compliance with the requirements of Act 174 and “Enhanced Energy Planning.”

B. Energy Use

Most of the residences in Vershire use oil, propane (bottled gas), or wood. Some homes use electricity as a primary or secondary heat source. In those residences where domestic water supply is not heated by a central heating system (furnace) it is normally heated by

propane or electricity. Residential use of photovoltaic panels and active solar water heating has increased.

Of the 299 year-round occupied homes in Vershire, approximately 50% heat with oil, 33% heat with wood, and 15% with gas. According to data provided to the state by utility companies, Vershire households use approximately 5746 kWh of energy per household annually. This data is from 2017 and will be updated when 2025 data is available.

According to the U.S. Energy Information Administration's "Vermont State Energy Profile" (2013), 60% of all energy consumed in Vermont is petroleum based. Vershire, like most other towns, depends on fossil fuels primarily for residential home heating and transportation needs. Vershire residents are almost entirely reliant on driving for commuting purposes and personal needs.

C. Current Energy Sources

Electricity from utilities: Electricity is provided within their franchise areas by Green Mountain Power (GMP) and the Washington Electric Cooperative (WEC). Most of the town is supplied only with single phase service. Developments in applicable state law and utility resource plans focus on increasing the availability of this electricity from renewable resources. This is especially true for those in GMP's territory since all of WEC's energy sources are already from renewable sources.

Specifically, starting in 2017, GMP and WEC will be subject to Vermont's newly enacted Renewable Energy Standard (RES), which requires each utility to meet 55 percent of its demand through renewable energy, rising to 75 percent by 2032. GMP's 2014 integrated resource plan – created before adoption of the RES – projected that 52 percent of its 2017 power mix would be from plants that meet Vermont's definition of renewable energy. However, that plan also indicated that GMP would sell, to other utilities, the renewable energy credits (RECs) associated with some of that power. Power for which a utility does not own the "environmental attributes" embodied by the RECs will not count toward meeting the RES. WEC's 2014 integrated resource plan – also created before adoption of the RES – stated that WEC's power mix is entirely from renewable resources and that WEC also sells RECs from some of these resources. The newly enacted RES contains provisions to encourage utilities like WEC to remain 100 percent renewable in the future, backed by ownership of RECs.

D. Energy Efficiency

There are a number of ways to encourage meeting Vershire's energy needs by lowering demand.

Decreasing Energy Use by Implementing Energy Efficiency

Residents, businesses, farms, and town buildings can apply the principles of energy efficiency to use less energy to cost-effectively provide the same level and quality of service. The Town can encourage this by:

- promoting older home weatherization workshops and fairs and encouraging the free use of the Town Center building for this type of programming.
- developing social media outreach/options on Town websites, List-serves, Town bulletin boards and other places to give access to resources promoting energy efficiency and cost savings, including how to access to Efficiency Vermont incentives, Capstone programs, local energy auditors, Window Dressers, and other such programs
- Documenting and increasing the number of homes where energy efficiency measures have been implemented.

For new builds, the Department of Public Service (DPS) has developed a residential “stretch” code that promotes energy efficiency measures in buildings that go beyond the minimum requirements. Projects subject to Act 250 (10 V.S.A. chapter 151) have to meet this stretch code and municipalities may choose to adopt the stretch code.

Commercial development is subject to the Commercial Building Energy Standards (CBES). They apply to all commercial buildings and residential buildings four stories or greater. DPS is developing a commercial building stretch code.

There is an exception to the Residential Building Energy Standards (RBES) for residential construction by the owner, if various conditions are met. Among these conditions is that the owner must disclose the noncompliance in writing to a prospective buyer.

E. Municipal Role in Energy Efficiency

Municipalities can have an impact on energy use within their communities, including their own energy use.

Building Energy

State law requires a municipal administrative officer to provide a copy of the applicable building energy standard (RBES or CBES) when an application to issue a municipal land use permit for a structure is received, although the administrative officer may supply a copy of the DPS residential energy code handbook in lieu of the full residential standard.

In addition, because enforcement is limited at the state level, a municipality may encourage compliance with the building energy standards in its land use review processes to promote energy efficiency.

In addition, the Town should develop additional materials to be provided along with the building permit, to indicate how the owner/builder may access Efficiency Vermont incentives if complying in full with the energy code.

A municipality may use its general authority to adopt bylaws promoting energy conservation to condition land use permits for development on the submission of the certificate of compliance with the building standards (if applicable) and, in the case of the exception for construction by the owner, the disclosure of noncompliance. These actions would encourage energy efficiency by providing additional avenues to support compliance with the building energy standards and helping to assure that prospective buyers become aware of homes that are noncompliant.

In addition, a municipality may adopt a bylaw that requires compliance with the RBES or CBES stretch codes, or both. This action would encourage energy efficiency in construction that exceeds the minimum requirements of the RBES and CBES. State law specifically allows towns voluntarily to adopt the RBES stretch code. In addition, a town's general authority to adopt bylaws promoting energy conservation would support a bylaw that requires compliance with the CBES stretch code.

Energy Committee

As of March 2021, Vershire has an Energy Committee. An Energy Committee acts in an advisory role to the Selectboard and Planning Commission on all things energy related. It is this board that takes an active role in auditing town buildings for energy use or creating an energy strategy for Vershire, much of which could help the Planning Commission draft the Energy Chapter of the town plan. The Energy committee helps the town and residents save money while saving energy by becoming involved in municipal energy efficiency and outreach to homeowners on energy efficiency and renewable energy generation.

Auditing Municipally Owned Buildings

Many towns in Vermont own buildings that are old and inefficient in many respects. For instance, older buildings often have insufficient insulation, wasteful heating and cooling systems, and out-of-date lighting. These kinds of infrastructure problems result in higher energy use with the resulting cost passed onto taxpayers. In recent years all of the Town buildings (except the Sargent House) have been audited to varying degrees of thoroughness, and some improvements have been made. In 2022 the state's Municipal Energy Resilience Program was created to improve Town buildings. This program involves comprehensive/standardized audits for municipal buildings throughout Vermont, a ranking of needs, and then a \$36M grant program to help fund municipal building resilience, meaning reduction of energy use and conversion of heating to renewable sources. In 2023 Vershire applied to have Level 2 Audits done on all Town buildings. These should be conducted in early 2024, with the grant program rolling out in fall 2024. The MERP assessments will do this.

Property Assessed Clean Energy (PACE)

Vermont enacted legislation in May 2009 (Act 45) that authorizes local governments to create districts (Clean Energy Assessment District) to provide financing to property owners for renewable energy and energy-efficiency projects. Voter approval is required to establish a financing district. Eligible renewable-energy technologies include solar water and space heating, photovoltaic (PV), biomass energy heating systems, small wind systems, and micro-hydroelectric systems. Property-Assessed Clean Energy (PACE) financing effectively allows property owners to borrow money to pay for energy improvements. The amount borrowed is typically repaid via a special assessment on the property over a period of up to 20 years.

Many communities have voiced concerns over what could be potentially difficult and expensive administration of the PACE program. Recognizing that small towns such as Vershire do not have the funds nor the staff to administer a complicated program like PACE, there are efforts to create a state-level clearinghouse for municipal PACE programs. If implemented it is likely that Efficiency Vermont might become responsible for administration on behalf of communities that have voted to create a PACE district.

F. Renewable Energy

The State of Vermont has adopted a statutory energy policy, codified at 30 V.S.A. § 202a, that encourages the “efficient use of energy resources” and the “wise use of renewable resources and environmentally sound energy supply.” It also had adopted various statutory goals that promote increased use of renewable energy to meet the energy needs of Vermonters. These include:

- By January 1, 2017, 55 percent of the State’s electricity consumption to be from renewable sources, rising to 75 percent by 2032.
- Reducing total fossil fuel consumption across all buildings by one-half percent each year, leading to a total reduction of six percent annually by 2017 and 10 percent annually by 2025. 10 V.S.A. § 581.
- By 2025, at least 25 percent of all energy consumed in Vermont to be from renewable sources. 10 V.S.A. § 580.
- By 2028, reducing greenhouse gas emissions by 50 percent from a 1990 baseline. 10 V.S.A. § 578.

In the 2011 Comprehensive Energy Plan (CEP), the DPS set out an ambitious goal that, by 2050, 90 percent of all energy consumed in the State be from renewable resources. The CEP sets an energy policy vision for Vermont and issuing the CEP is a statutorily required duty of the DPS.

Vermont law defines renewable energy generally as energy produced using a technology that relies on a resource that is being consumed at a harvest rate at or below its natural regeneration rate. It allows methane or other flammable gases produced by landfills or

anaerobic digestion of agricultural or food wastes to be considered renewable, but nuclear, coal, oil, propane, and natural gas may not be considered renewable.

The Commercial generation of energy through renewable resources is controlled at the state level by the Department of Public Service. Energy generation facilities must apply to DPS for a “Certificate of Public Good” (CPG). The Certificate of Public Good allows commercial energy generators to bypass local land use regulations. The only opportunity Vershire has to be involved with the permitting of a commercial energy generating facility is during the public comment period provided during the CPG process.

The types of renewable energy found in Vermont are:

- **Solar Power**
- **Wind Power**
- **Biomass**
- **Biofuels**
- **Geothermal**
- **Hydropower**
- **Cow Power (Biogas)**

G. Energy and Land Use Policy

Towns are limited in how they can influence the reduction of energy use through land use regulations, but there are tools that can help. State statute prohibits zoning language that prohibits or “has the effect of prohibiting” access to renewable resources. But, state policy encourages communities to do what they can to promote energy efficiency and conservation through good land use policy.

Because transportation is such a substantial portion of local energy use, it is in the interest of the community to encourage any new developments that are proposed in Vershire to locate adjacent to existing roads. In particular, dense residential developments should be located within or adjacent to existing village centers. Commercial development that requires trucking and freight handling should only locate on roads which can effectively handle the size of vehicle needed.

Through subdivision regulations, planners can influence where buildings are situated on a parcel so that they are able to take advantage of solar gain. Likewise, subdivision regulations can require screening that reduces the effects of prevailing winds, thus conserving heat.

The Town has an interest in promoting the development of energy sources that do not involve emission of greenhouse gasses. While many homes in town have access to solar, many do not, so it will be in the public interest to allow for and encourage larger-scale community or commercial renewable energy projects to help supply homes and businesses. Consistent with the regional energy plan, this plan needs to provide the basis

for regulations that will guide the placement of such projects so as to be accessible to major powerlines and sensitive to visual and other impacts.

H. Goals, Policies and Recommendations

Goals

1. Encourage a continued pattern of settlement and land use that uses energy efficiently.
2. Promote the installation and use of energy efficiency measures that are cost-effective over their life and to encourage the use of renewable energy to meet the remaining demand.
3. To encourage the responsible development of local renewable energy sources and to reduce dependence on outside energy sources.
4. Encourage the development of community and commercial renewable projects such as will, in combination with private projects, ultimately cover the energy/power needs of the town on a net annual basis.

Policies

1. The town encourages the use of energy sources that are the most energy efficient and cost-effective and the least environmentally damaging sources of energy. Those factors shall be determined on a life cycle basis, including all costs related to extraction, processing, refinement, transportation, transmission, reliability, and generation and disposition of waste and pollutants.
2. Major public investments, such as public recreational areas, and municipal facilities, as well as major commercial or residential developments need to be situated within or in close proximity to the village.
3. Promote compliance with RBES and CBES and any RBES and CBES “stretch” codes adopted by the Department of Public Service.
4. Make PACE available to leverage installation of cost-effective residential energy efficiency measures in Vershire.
5. Encourage residents and owners of existing buildings, including the town, to obtain an energy audit of the buildings with a focus on identifying and making cost-effective improvements in energy efficiency.
6. Promote energy efficient travel by residents by encouraging carpooling, increased use of public transportation, telecommuting, and home businesses.
7. Encourage use of renewable energy systems for self- generation in both off-grid and net metering scenarios. Encourage new construction to be solar-ready.
8. Generation, transmission, and distribution facilities or service areas shall be encouraged only when they complement the recommended land use patterns set forth in this Plan.
9. Site power generation projects in town, the purpose of which is primarily to sell power onto the electrical grid, provided each of the following is true:

- a. The generation facilities involved in the project use renewable fuels, and the renewable energy credits from the facilities are applied toward the Renewable Energy Standard.
 - b. The project meets other policies of this plan
- 10. Exclude new energy generation, transmission, and distribution projects from the following areas because of their distinctive value:
 - a. Floodways shown on FEMA Flood Insurance Rate Maps (except as required for hydroelectric facilities)
 - b. Fluvial erosion hazard areas shown on the Fluvial Erosion Hazard Area maps(except as required for hydroelectric facilities)
 - c. Wetlands as indicated on Vermont State Wetlands Inventory maps or identified through site analysis.
 - d. Rare, threatened or endangered species habitat or communities.
- 11. Site and design all new generation, transmission, and distribution projects to avoid or, if no other reasonable alternative exists, to minimize and mitigate adverse impacts to the following:
 - a. Historic districts, landmarks, sites and structures listed, or eligible for listing, on state or national registers.
 - b. Public parks and recreation areas, including state and municipal parks, forests and trail networks.
 - c. Scenic roads, vistas, and view sheds. Determine the existence of scenic roads and scenic vistas and view sheds from those roads in accordance with policy 8 under Significant Natural and Scenic Areas.
 - d. Special flood hazard areas identified by National Flood Insurance Program maps (except as required for hydroelectric facilities)
 - e. Public and private drinking water supplies, including mapped source protection areas.
 - f. Primary agricultural soils mapped by the U.S. Natural Resources Conservation Service.
 - g. Forest land. For the purpose of this policy, fragmentation of forest land constitutes an adverse impact.
 - h. Necessary wildlife habitat, natural communities, and wildlife migration and travel corridors. For the purpose of this policy, fragmentation of these resources constitutes an adverse impact. Project designers must gather information and analyze the effects of the project on habitat and natural communities in the project area, and wildlife residing in the area and its migratory routes.
- 12. Use screening to reduce the visual impacts of energy generation, transmission, and distribution projects as seen from public roads and neighboring properties in accordance with the following:
 - a. Without interfering with the project's function, make the maximum use possible of preexisting vegetation, structures, and topographical features that screen the project on site.
 - b. Install screening such as vegetation or topographic features to distract the viewer from the project and break up the view of the project.

13. Distribution line reconstructions and extensions subject to Act 250 jurisdiction do not conform to this plan unless the applicant demonstrates that:
 - a. Electricity delivered through the distribution line is more cost-effective and has lower environmental costs than on-site electricity generation from renewable sources or a combination of such generation with demand-side measures, calculated in accordance with policy 1.
 - b. All feasible measures have been taken to minimize the visual impact and to avoid and, if not avoidable, minimize the natural resource impact of the reconstructed line or line extension.
 - c. With respect to a line reconstruction or extension outside a village district identified in the development bylaw, the reconstruction or extension will not cause or contribute to additional development.
14. To provide input on behalf of the citizens of Vershire in any Public Utility Commission Certificate of Public Good application relative to the generation of energy.
15. Any commercial energy generation facility proposed in Vershire should be developed so as to avoid negative impacts on the rural character of the area in which they are proposed to be located. Developers should make all possible efforts to minimize damage to important natural areas as identified in the Natural Resource section of this Plan. Additionally, such facilities should be located as close to existing roads as possible to avoid any increase in the services provided by the town.

Recommendations

1. The town should work to increase public awareness and use of energy conservation practices through educational efforts and consider alternative energy sources in public facilities.
2. Support the Town Energy Committee in investigating and implementing ways to reduce the cost and amount of municipal energy use.
3. The Planning Commission should identify areas in town that are appropriate for large scale energy production such as wind and solar through an Enhanced Energy Plan.
4. Once established, the Town Energy Committee should continue the PACE program.
5. Vershire should include energy efficiency and use of renewable energy when planning for capital investments.
6. Municipal officials should participate in the Public Utilities Commission review of new and expanded generation and transmission facilities in Vershire to ensure that local energy, resource conservation and development objectives are identified and considered in future utility development.

XV. RELATIONSHIP TO OTHER PLANS

Vershire is bounded by Chelsea, Corinth, Strafford, Tunbridge, and West Fairlee. All of these towns have planning programs and planning commissions. Chelsea's plan expires in 2031, Corinth in 2027, Strafford in 2029, Tunbridge in 2029, and West Fairlee in 2031.

These towns have land use regulations as follows:

- Chelsea: Has zoning bylaws with districts, including a historic design and review overlay district in the Village Area.
- Corinth: Has no zoning ordinance or districts but adopted subdivision regulations in 1995 and flood hazard regulations in 2015.
- Strafford: Has had multi-district zoning bylaw for at least 15 years, and was one of the first towns in the area to have zoning, along with a subdivision bylaw.

Strafford shares part of the area known as Taylor Valley with Vershire. Unlike Vershire, Strafford has not created any land use areas intended to protect this valuable wild and natural area (although private citizens have conserved land in this area). Strafford's two-acre minimum lot size covers the entire community. Although unlikely, there is the potential for extensive residential development to take place across the border from Vershire in Strafford, thus fragmenting Taylor Valley and potentially damaging its value as a wildlife corridor.

Vershire shares numerous activities and services with surrounding towns, including school services, rescue squad and fire protection. The town is also a member of the Two Rivers-Ottawquechee Regional Commission (TRORC).

TRORC's Regional Plan covers 30 towns including Vershire. Since the preparation of the Vershire Town Plan was done with the assistance of the Regional Commission, no conflicts between the two have arisen. In fact, the two plans have similar policy statements regarding the need for development that does not overburden services. In addition, no specific development goals in this plan conflict with any regional goals.

The neighboring plans have been read in the context of the proposed Vershire Town Plan. Once again, no conflicts exist in either general philosophy or specific development proposals along town borders.

Recommendations

1. To encourage continued communication and cooperation between Vershire and its neighboring towns.
2. To continue participation in the Two Rivers-Ottawquechee Regional Commission.
3. To exchange planning information and development data with neighboring communities.

XVI. Implementation

A. Putting the Plan into Action

Vermont law requires a Town Plan to contain a “recommended program for the implementation of the objectives of the development plan.” [24 V.S.A. §4382(7).] While it is not required by law that communities implement any of the policies or recommendations in a municipal plan, it is important to recognize that in order to meet the vision of the Plan, it must be implemented wherever possible.

B. Adoption of the Plan

Adoption of the Vershire Town Plan by the Selectboard, in accordance with the procedures outlined in the Vermont Planning and Development Act (24 V.S.A., Chapter 117), is the first step in putting this Plan into action. Through its adoption, the town accepts the principles and policies as set forth in this Plan as in the public interest and as a guide for the future growth and development decision affecting Vershire.

C. Ongoing Planning

Planning for change is a continual process for the town and will require the involvement of the Planning Commission and the public to ensure that the goals and policies of the Plan are integrated into the decisions affecting land use, taxation, and public investments in Vershire.

The Vershire Town Plan is not a permanent document on community desires or values. Its life is limited to 8 years by statute (24 V.S.A., Section 4387). The Planning Commission is responsible for the maintenance, implementation, and amendment of the plan. Within the next five years following adoption of the plan, the Planning Commission will need to evaluate the plan in light of new conditions and needs. Re-adoption of an updated plan will require notice to the townspeople and finally action by the Selectboard.

At any time following adoption of the plan, the Selectboard may request the Regional Commission to approve the Plan or amendments to a plan. Before approving a plan, the Regional Commission shall find that the plan meets four basic tests [24 V.S.A., Section 4350(b)].

Approval of the plan provides an improved legal standing for the town to influence and integrate its planning policies with State agency planning affecting land use. After January 1991, State agency plans will need to be adjusted to the policies and priorities of this plan to the extent feasible.

D. Implementation Tools

Vermont law enables the town to implement the adopted Vershire Town Plan through a variety of ways. Regulation of land use and development through rules adopted by the voters is one possible method. Because these regulations are susceptible to legal challenge

and must clearly benefit the public, discretion must be used. Well-recognized and utilized means include zoning bylaws and subdivision regulations. Examples of potential implementation tools include:

<u>Regulatory</u>	<u>Non-Regulatory</u>
Zoning & Subdivision bylaws	Design a Capital Budget & Program
Strengthening Town Plan language to clearly influence state regulatory proceedings (use of direct language)	Advisory Committees
Official Map	Education/Outreach on important issues
Access permit – Town highways Only (Selectboard)	Purchase or acceptance of development rights
Flood Regulations & National flood Insurance Program	Follow-up on recommendations for action in Plan

Zoning Bylaws - Zoning bylaws are a commonly used method for guiding development at the local level. Zoning may regulate:

- Uses of land
- The placement of buildings on lots
- The relationship of buildings to open space, and
- The provision of parking, signs, landscaping and open space

Zoning generally involves partitioning the town into districts or zones that have a different set of uses, densities, and other standards for development. Zoning districts must be reasonably consistent with the Town Plan.

Subdivision Regulations - The town does have subdivision regulations, which were adopted in the 1990's. These regulations are administered by the Planning Commission. Subdivision regulations can ensure that land development reflects land capability, that critical open spaces and resources are protected from poor design or layout.

Flood Hazard Bylaws - Under Vermont law (24 V.S.A., Section 4424), the Town of Vershire may regulate the use of land in a defined flood hazard area adjacent to streams and ponds.

Capital Budget – A Capital Budget and Program is a financing approach that benefits the town greatly in the selection, prioritization and costing of capital projects. Under the capital budget, a project is selected (i.e. bridge refurbishment), a funding source determined (i.e. general taxes, and general obligation bond) and priority year given for each activity (i.e. construction in 2006).

Act 250 - Since 1970, Vermont has had in place a statewide review system for major developments and subdivisions of land. Exactly what constitutes a "development" or "subdivision" is subject to a rather large and involved set of definitions. However, generally, commercial and industrial projects on more than one acre of land; construction of 10 or more units of housing; subdivision of land into 6 or more lots; construction of a telecommunication tower over 20 feet in height; and development over 2,500 feet in elevation qualifies.

Section 248 - Section 248 establishes requirements for the approval of in-state electric transmission and generation construction projects, as well as certain other types of projects. Prior to beginning site preparation or constructing a proposed project, the petitioner must receive a certificate of public good from the PUC. When determining whether to grant a certificate of public good for a proposed project, the Board considers whether the proposed project meets ten statutory criteria (see 30 V.S.A. § 248, Appendix A). These criteria include site-specific environmental criteria incorporated from Act 250, in addition to general issues such as need, reliability, and economic benefit.

E. Guidelines for Growth

The following guidelines are intended to help town officials, residents and developers work together to plan and design developments consistent with the goals and policies of this Plan. These guidelines are suggested ways to implement the Plan. They are not mandatory and are not intended to be strictly adhered to in every case. They are offered to give landowners and officials a common, but flexible framework for preparing plans and making decisions.

Siting New Development - New development should be sited to:

1. Be compatible with the historic settlement pattern;
2. Maintain functional integrity of deer wintering areas;
3. Be cost efficient for municipal services; and
4. Conserve the agricultural potential of primary agricultural soils by:
 - Keeping primary agricultural soils available for agricultural production unless the only economically viable use of the land would be from incompatible uses;

Designing New Development - Landowners should design and phase new development, particularly large residential development to:

1. Avoid overloading public facilities and services;
2. Protect and promote the harmonious balance between buildings and useful, well-defined open space, and a human-scaled character of structures and settlements;
3. Be compatible with desired habitat conditions, public outdoor recreation;
4. Take advantage of opportunities to enhance and/or restore habitats by establishing native vegetative diversity or provide other wildlife benefits;
5. Mitigate the effects of proposed actions on identified archeological sites;

6. Be compatible with the qualities that make historic areas, structures or sites significant;
7. Protect the community trail system from activities which would unduly compromise desired trail experiences and uses; and
8. Incorporate the following visual elements:
 - Unobtrusive heights of buildings;
 - Vegetative screening;
 - Preservation of native vegetation;
 - Unobtrusive location of utilities; and
 - Minimal alterations to topography.

Public Facilities and Services - Major new developments should pay a proportionate fair share of the increased cost of providing public facilities or services to the development.

Roads - New roads, private or public, should be designed and constructed to:

- Minimize impacts to large woodlands and wildlife corridors (if roads and trails are desired, locate them along the outer edge of the areas and limit trail use to low-impact activities compatible with the habitat objectives);
- Meet town road standards; and
- Minimize impacts on desired habitat conditions, water quality and other ecological functions.

If the Selectboard approves the upgrade of Class 4 roads to Class 3, landowners requesting the upgrades should expect to pay the costs of the necessary improvements. (19 V.S.A., Section 711).

New private development roads should remain the responsibility of the residents. If stream crossings are necessary for new development, efforts should be made to minimize their impacts on aquatic life.

Vegetation Management - Timber harvesting should be consistent with the Vermont Forest, Parks and Recreation's Acceptable Management Practices.

Deer wintering areas should be managed according to the Vermont Department of Fish and Wildlife's *Management Guide for Deer Wintering Areas in Vermont*, (1990).

When managing timber along streams designated as important wildlife corridors, avoid harvesting trees within 100 feet of a stream.

Involvement with the Regional Economy - Ideally, a new or expanding business affecting Vershire should:

- Create community pride and have a positive effect on the community's image;
- Strengthen and preserve the community's assets, particularly those identified in the Town Plan as important;
- Provide fiscal revenues that exceed direct and indirect costs;
- Invest in the community (e.g., sponsor groups and activities, allow community use of land and buildings, build affordable housing, provide day care);
- Help keep money circulating in the community (e.g., be owned by local residents; hire local people; use local resources or products; provide services or products presently obtained from outside community);
- Produce products or services that meet community needs and will benefit the community;
- Add value to a local renewable resource or product (e.g., dairy, cheese factory, furniture manufacturer);
- Be committed to reducing negative environmental impacts; and
- Minimize traffic impacts.

F. Responsibility for Implementation

In order to ensure that the policies of this Plan are implemented, it is essential to identify what municipal panel, organization or citizen is most suited to act on them. Throughout this Plan, the Planning Commission has identified recommendations for action. Generally, responsibility for implementation of the Plan will rest with the Planning Commission in areas relating to land use such as implementing changes to land use bylaws and to the Selectboard in areas such as implementing municipal policy for town roads. However, advisory committees as well as other community organizations could also have responsibilities for implementation.

In addition to assigning responsibility, the Planning Commission should also keep track of progress made toward implementing the goals, policies and recommendations of this Plan. This information will be useful to identify areas where additional effort needs to be applied to achieve implementation. It can also be used to describe how successful the community has been at implementation in the next iteration of this Plan, and to guide future policy.

Appendix A: 2024 Vershire Community Survey

Survey of Vershire Residents

In Vermont, town plans get updated every 8 years. The purpose of a town plan is to share a vision and guiding principles for the town relating to topics that include housing, economic development, natural resources, recreation, transportation, and so much more! As part of the revision process, the Vershire Planning Commission wants to hear from you! As part of our community, your opinions matter. This is a chance to share your ideas about the vision for our beloved town. This is an opinion survey; there are no right or wrong answers. The goal is to gather information about property owners' views and preferences to inform the next Vershire Town Plan for 2025.

Your answers will be anonymous, and we welcome your further comments! To be as inclusive as possible, this survey has been mailed to every property owner on record of the grand list and can be returned to the town clerk's office OR filled out online. Please only submit only one survey per household.

1) I believe Vershire has an above-average sense of community for a rural Vermont town.

Strongly disagree	4	3	19	6	30	Strongly agree
-------------------	---	---	----	---	----	----------------

2) The VerShare organization plays an important role in strengthening our community.

Strongly disagree	6	5	12	19	30	Strongly agree
-------------------	---	---	----	----	----	----------------

3) Vershire should pursue gifts and grants to build a footbridge across the river in the village to connect the activities and parking areas of the Town Office, Town Center, and VerShare.

Strongly disagree	18	5	17	8	25	Strongly agree
-------------------	----	---	----	---	----	----------------

4) The Selectboard should be empowered to enforce ordinances regarding pollution, excessive noise, and offensive or aggressive behavior that affects other people's safe and healthy enjoyment of their neighborhood or property.

Strongly disagree	11	5	9	11	34	Strongly agree
-------------------	----	---	---	----	----	----------------

5) I support additional housing being built in the Village District along Route 113.

Strongly disagree	20	1	15	16	19	Strongly agree
-------------------	----	---	----	----	----	----------------

6) Vershire needs more retail business with a storefront.

Strongly disagree	12	6	19	16	16	Strongly agree
-------------------	----	---	----	----	----	----------------

7) There is not enough daytime childcare in the area to allow parents/caregivers the ability to earn a living without undue stress.

Strongly disagree	8	6	21	17	19	Strongly agree
-------------------	---	---	----	----	----	----------------

8) I have recently started, or would be interested in starting, a business.

Strongly disagree	38	5	8	3	10	Strongly agree
-------------------	----	---	---	---	----	----------------

9) The Vershire Town Plan should seek to preserve the rural character of Vershire.

Strongly disagree	2	3	11	14	43	Strongly agree
-------------------	---	---	----	----	----	----------------

10) Vershire should commit more resources to improving its emergency management capabilities to be ready for future storms and other natural disasters.

Strongly disagree	6	2	21	14	28	Strongly agree
-------------------	---	---	----	----	----	----------------

11) Vershire should develop a small nature trail system in the village center connecting the Post Office to the Town Center, VerShare and Town Cemetery.

Strongly disagree	17	4	20	8	23	Strongly agree
-------------------	----	---	----	---	----	----------------

12) What is the nature of your residency in Vershire? Choose the one that best describes your situation.

Full-time year-round resident	57
-------------------------------	----

Part-time or seasonal resident	10
--------------------------------	----

Out-of-town property owner	4
----------------------------	---

Other	0
-------	---

13) How many years in total have you been a full-time Vershire resident?

Zero (including seasonal residents)	5
-------------------------------------	---

1-5 years	7
-----------	---

6-10 years	15
------------	----

11-30 years	23
-------------	----

over 30 years	21
---------------	----

14) How do you primarily get local information? Check all that apply.

Local newspapers	28
Listserve	39
Facebook	29
Town website	20
Front Porch Forum	4
Word-of-mouth	43

15) How far do you regularly commute for work?

Zero miles (work from home) 35

Less than 10 miles 8

11-50 miles 24

More than 50 miles 1

16) How often do you feel lonely?

Often 4 10 3 18 32 Never

Have you, or has anyone close to you, ever struggled with addiction?

Yes 21 No 45

Is there anything you would like to share with the Planning Commission as it relates to the 2025 Vershire Town Plan or thoughts about our town?

1. I am concerned about the lack of a full road crew especially with winter coming. There should be a sense of urgency to solve this very soon. People need to get to work + school and the roads clear for emergency vehicles. Is the selectbook (sic) accountable to anyone?
2. I have growing concerns about several neighbors firing off semi-automatic rifles on my street – they should be made to use a local firing range. I have also had problems with neighbor's smoldering slash-fires. I cannot use my furnace due to

- smokey air intake to my house. Fire dept. is of NO help concerning this + Should be!
3. (question 4) People should not make noise after 10:00 pm and not before 10:00 am.
 4. (question 5) for apt cheap for low income people with children / with pets they do need home too
 5. What about small retail storefront buildings on the grounds of the town building that would draw people as a gathering place – a general store? Could be a coop. Very sadly we can't come to our house on Vershire Center Road any more (96 + 97 + can't travel) but our son Steve and his wife Anne are there for 3-5 months a year. They work out of the home producing a national public radio program and they love it there!
 6. --educate the folks who live in the Village district
 7. --policing issue which we can do nothing about
 8. --build addition to town offices
 9. --create a better environment for our staff
 10. *pizza oven open
 11. *town center available for teachers at no cost—teachers offering Yoga, Zumba etc. Teachers should be able to earn \$\$ and not have to pay for a town activity people may or may not show up for.
 12. *Adult library expansion
 13. Think elderly
 14. Keep it the quiet little town it is. It's a great place please don't ruin it.
 15. Have emphasis on conservation and conservative values.
 16. Enforce or enact ordinances against messy or hazardous lot conditions
 17. No windmills!
 18. Start enforcing wetland and floodplain requirements – no building, addition, or development there!
 19. Currently this is not uniformly enforced
 20. If you pay your taxes you and your land is nobody's business but your own
 21. Would like to see our Village District preserved for historic and architectural standards (i.e. new bldgs ok, but no trailers, quonset huts, etc...)
 22. Drug addiction is a serious problem.
 23. (question 14) none of the above, no consistent place to get info – some of the above for some info. Townwide communication is a primary issue for Vershire
 24. My family has owned property in town since 1912. Six generations have very much appreciated the character of the town, the diligent work of the road crew, and our many neighbors and acquaintances.
 25. The select board is not a police force. If anyone is “enforcing” ordinances it should be law enforcement.
 26. Vershire needs a police department or to hire an police agency that will actually commit to serving the town. This would help with some of the speeding, theft, and other issues in town.
 27. The foot bridge would need constant maintenance, who pays for this? The already over taxed tax payer?

28. Cell coverage has become more important for our safety and our work. We must develop a cell tower infrastructure that would provide coverage for more areas of the town.
29. Improve road materials, selected paved routes to improve emergency response. Rural character is great but substandard infrastructure in the 21st century will continue to hinder community growth and safety
30. Why is the non resident tax rate lower than the resident rate?
31. Please no logging in our town forests ever! We need old growth forests for carbon sequestration, recreation, and forest bathing. These properties are not taxed therefore not a financial burden to taxpayers. Keep it natural!
32. Town needs to enforce state statues regarding illegal junk yards and unregistered vehicles on properties. As well as any ordinances already on the books.
33. Thank you
34. Speed limit enforcement needed in village. Keep tax rates in mind when setting goals.
35. With the current housing crisis We should allow each property owner to have a small mother in law dwelling
36. Community garden with green house
37. Solar panels on town garage
38. Enhanced kitchen for food prep and storage
39. E vehicle charge station ?
40. Town needs to enforce state statues regarding illegal junk yards and unregistered vehicles on properties. As well as any ordinances already on the books. Thank you
41. Speed limit enforcement needed in village. Keep tax rates in mind when setting goals.
42. Focusing on making our town more desirable for younger families is the key. This means having cell phone service available in more locations, expanding local businesses, lower taxes and access to better school systems (ideally becoming a “sending town” to Thetford Academy over participating in the public school system - which has been less ideal beyond elementary school). One idea for development is considering paving more populous roads, such as Vershire Center Rd. The farmers market and other initiatives are great starts to showcase the talent and people of Vershire and the questions in the survey are a great step to furthering Vershire’s growth. Thank you for all you do!

Appendix B: Vershire Energy Data and Town and Garage Energy Audits (2023)

May 7, 2025

Gregory Wilson
Planning Commission Chair
Town of Vershire
6894 VT Route 113
Vershire, VT 05079

RE: Municipal Summary Worksheet Energy

cc: Peter G. Gregory, Executive Director, TRORC
Andrea Herrington, TRORC Commissioner

Mr. Wilson:

TRORC is pleased to have prepared and enclosed a copy of the Municipal Summary worksheet and maps for Town. This document summarizes the type of data that is required to be in an “Enhanced Energy Plan” under the 2016 energy planning law known as “Act 174”. As you are aware, writing an “Enhanced Energy Plan” and seeking a determination of energy compliance is optional for communities. If your municipality chooses to write one and meets the municipal standards set by the Department of Public Service (PSD), the municipal plan receives substantial deference in the renewable energy generation Certificate of Public Good process.

The data in the attached document provides analyses and targets for your municipality that TRORC derived from a variety of regional and municipal data sources. Municipalities may choose to rely on these analyses and targets to meet PSD’s municipal standards. Alternatively, municipalities may develop their own custom analyses and targets or supplement the analyses and targets provided by TRORC with specific local data. If these options are chosen, a municipality must include all of the same analyses and targets and meet the same standards, as described in PSD’s Guidance for Regional & Municipal Enhanced Energy Planning Standards. Some of the numbers, such as current electricity use by the municipality, will need to be updated when TRORC receives new data. The Municipal Summary worksheet and maps will be emailed out and can also be found on the TRORC website under your respective town page. If you have any questions about the attached document or energy planning for your community, please do not hesitate to contact us.

Sincerely,

A handwritten signature in black ink that reads "Bryan Kovalick". The signature is written in a cursive, slightly slanted style.

Bryan Kovalick
Planner

Vershire

The following is an explanation of the information displayed in the Municipal Summary Worksheet for Vershire.

The intent of the Municipal Summary is to provide your municipality with energy data that meets PSD's analysis and target standards to ensure your municipality's compliance with the requirements of Act 174 and "Enhanced Energy Planning" (24 V.S.A. § 4352). The worksheet contains data that estimates current energy use and provides targets for future energy use across all sectors (transportation, heating, and electricity). It also sets a target for renewable energy generation within the municipality.

This data is meant to be a starting point for your municipality to begin planning its energy future and to talk about the changes that may need to occur within the municipality to ensure that local, regional, and state energy goals are met. This includes the goal that 90% of all energy demand be met by renewable sources by 2050 (90x50 goal).

Estimates of current energy use and targets for future energy use are reliant upon the Long-range Energy Alternatives Planning (LEAP) analysis for the region completed for PSD. To estimate the current energy use of your Town, TRORC used PSD's Municipal Consumption. This tool uses inputs of data from the American Community Survey (ACS), the Vermont Agency of Transportation (VTrans), and the Vermont Department of Labor (DoL).

Targets for both future energy use and energy generation have been generally developed using a "bottom up" method of disaggregating regional data into the municipal level using PSD's Analysis and Targets Aid. PSD also makes certain assumptions within these tools based on statewide averages for energy consumption.

The targets established here show the direction in which change needs to occur to meet local, regional, and state energy goals. It is important to remember that the targets established by LEAP represent only one way to achieve energy goals. There may be other similar pathways your municipality may choose to meet your 90x50 goal. Please keep this in mind when reviewing the worksheet.

For those towns interested in learning more about how these estimates and targets were created, or about creating their own estimates and targets, please see PSD's Guidance for Regional & Municipal Enhanced Energy Planning Standards.

Figure 1 - Data Sources

American Community Survey (ACS)
Vermont Department of Labor (DoL)
Vermont Department of Public Service (PSD)
Energy Information Administration (EIA)
Efficiency Vermont (EVT)
Long-range Energy Alternatives Planning (LEAP)
Vermont Energy Investment Corporation (VEIC)
Vermont Agency of Transportation (VTRANS)

Municipal Summary Worksheet

The Municipal Summary worksheet summarizes all data that is required to be in the Municipal Plan if the plan is to meet the “determination” standards established by PSD.

4A. Current Transportation Energy Use	
2022 Transportation Data	
Total Number of Internal Combustion Engine (ICE) Vehicles ¹	700
Total Number of Electric Vehicles (EVs) ²	7
Total Number of ICE Vehicles and EVs	707
Average Yearly Miles Driven per Vehicle ³	12,500
Total Miles Driven per ICE Vehicle	8,750,000
Total Miles Driven per EV	87,500
Total Miles Driven per ICE Vehicle and EV	8,837,500
Average Fuel Economy of ICE Vehicles (Miles per Gallon) ⁴	22
Average Fuel Economy of EVs (Miles per Kilowatt Hour) ⁴	3
Total Gallons of Fuel Consumed by ICE Vehicles per Year	397,727
Total Number of Kilowatt Hours Consumed by EVs per Year	29,167
Transportation Energy Consumed by ICE Vehicles (mmBtus) ⁴	46,920
Transportation Energy Consumed by EVs (mmBtus) ⁴	100
Transportation Energy Consumed by ICE Vehicles and EVs (mmBtus)	47,019
<p>This table calculates the energy use and energy cost of your residents’ light-duty passenger vehicles. This does not include the energy use or energy cost of medium-duty vehicles, heavy-duty vehicles, mass transit, rail, commercial vehicles, or other modes of transportation. The Average Miles per Vehicle and Realized Miles per Gallon are 2021 statewide averages for light-duty passenger vehicles in Vermont as reported in the LEAP model. The Transportation Energy Used is calculated in Million British Thermal Units (mmBtus) using PSD’s LEAP Municipal Consumption Template.</p> <p>Data Sources: 1. ACS 2022 5-year Estimates. 2. Efficiency Vermont. 3. VTrans, 2021. 4. LEAP Municipal Consumption Template.</p>	

4A. Current Residential Heating Energy Use

Fuel Source ¹	Number of Households ¹	Percentage of Households	Square Footage Heated ² (mmBtus)
Gas from Bottle or Tank (propane, butane, liquified petroleum gas)	75	20.8%	8,250
Electricity	7	1.9%	770
Fuel Oil, Kerosene, etc.	97	26.9%	10,670
Coal or Coke	0	0.0%	0
Wood	169	46.8%	18,590
Solar Energy	0	0.0%	0
Other Fuel	8	2.2%	880
No Fuel Used	5	1.4%	550
Total	361	100.0%	39,710

This table displays 2022 ACS 5-year Estimates for the sources of fuel for occupied residences within Vershire. The square footage heated figure is calculated in the PSD Municipal Consumption Template based on a statewide average annual heating load for residences, measured in Million British Thermal Units (mmBtus).

Data Source: 1. ACS 2022 5-year Estimates. 2. LEAP Municipal Consumption Template.

4A. Current Commercial Heating Energy Use

Number of Commercial Establishments ¹	Total Thermal Energy Consumed by Commercial Establishments ² (mmBtus)	Average Thermal Energy Consumed by Commercial Establishments ² (mmBtus)
8	12,212	1,526

This table displays the number of commercial establishments within Vershire as reported by the Vermont DoL in 2022. The thermal energy estimate is calculated in the PSD Municipal Consumption Template based on a statewide average annual heating load for select commercial establishments, measured in Million British Thermal Units (mmBtus).

Data Sources: 1. VT DoL 2022. 2. LEAP Municipal Consumption Template.

4A. Current Electricity Use

Use Sector	Current Electricity Use
Residential (kWh)	2,304
Commercial and Industrial (kWh)	384
Total (kWh)	2,688

This table displays 2022 data from EVT for the commercial & industrial sector and residential sector within Vershire.

Data Source: EVT 2022.

4B. Residential Thermal Efficiency Targets

	2025	2035	2050
Weatherized for Increased Efficiency and Conservation	49%	57%	83%

This table displays targets for the cumulative percentage of residences within Vershire that will be weatherized by the target year, thereby achieving increased thermal efficiency and energy conservation. These targets were developed using the PSD Analysis & Target Municipal Aid in the CAP Central Mitigation Scenario. To be counted, each weatherized residence will have to achieve a 25% reduction in heat energy.

Data Sources: LEAP Analysis & Target Aid. ACS 2022 5-year Estimates.

4B. Commercial Thermal Efficiency Targets

	2025	2035	2050
Weatherized for Increased Efficiency and Conservation	44%	32%	54%

This table displays targets for the cumulative percentage of commercial establishments within Vershire that will be weatherized by the target year, thereby achieving increased thermal efficiency and energy conservation. These targets were developed using the PSD Analysis & Target Aid in the CAP Central Mitigation Scenario. To be counted, each weatherized commercial establishment will have to achieve a 25% reduction in heat energy.

Data Sources: LEAP Analysis & Target Aid. VT DoL.

4B. Thermal Fuel Switching Targets – Heat Pumps

	2025	2035	2050
Number of Heat Pumps used by Residences (in units)	150	483	879
Number of Heat Pumps used by Commercial Establishments (in units)	6	16	18
Total	156	499	897

This table provides a target of the number of new heat pumps in the commercial and residential sectors of Vershire in the CAP Central Mitigation Scenario. This dataset assumes there will be 1.3 devices per residence and one device per 512 square feet of commercial floorspace based on state averages.

Data Sources: LEAP Analysis & Target Aid. ACS 2022 5-year Estimates. VT DoL.

4C. Use of Renewables - Transportation

	2025	2035	2050
Light Duty Electric Vehicles	5%	52%	100%

This table shows the percentage of light duty vehicles that are electric vehicles in the target years within Vershire in the CAP Central Mitigation Scenario.

Data Source: LEAP Analysis & Target Aid. EVT 2022.

4C. Transportation Fuel Switching Target – Electric Vehicles

	2025	2035	2050
Battery Electric	35	539	1,496
Plug In Hybrid Vehicles	5	6	2
Total	40	545	1,498

This table shows the count of light duty vehicles that are electric vehicles in the target years within Vershire in the CAP Central Mitigation Scenario.

Data Source: LEAP Analysis & Target Aid. EVT 2022.

4D. Electric Efficiency Targets

	2025	2035	2050
Cumulative Electricity Conserved – Residential (MWh)	59	402	915

This table shows the megawatt hours (MWh) of electricity cumulatively conserved by residences within Vershire by 2025, 2035, and 2050 based on modelling completed by EVT's 2022 Energy Efficiency Market Potential Study and PSD.

Data Source: EVT 2022 Energy Efficiency Market Potential Study. PSD Potential Study Data for RPCs Tool.

4D. Renewable Energy Generation Targets

	2025	2035	2050
Incremental Renewable Energy Generation (MWh)	1	82	424
Total Renewable Energy Generation (MWh)	446	526	868

This table shows targets for electric generation from renewable resources in megawatt hours (MWh) within Vershire. This table also reports the incremental generation of new renewable energy needed by each target year. This figure shows the increase in generation needed from Vershire's 2022 renewable energy generation levels.

The figures for 2035 and 2050 were developed using PSD's LEAP model. The figures for 2025 were developed by TRORC equating to a 0.3% increase from 2022 generation figures. TRORC used this approach because the LEAP model does not provide targets for 2025 renewable energy generation that are higher than the region's 2022 renewable energy generation.

Data Source: LEAP Generation Scenarios Tool.

4D. Use of Renewables - Heating

	2025	2035	2050
Residences	30%	76%	100%
Commercial	25%	65%	69%

This table displays the percentage of residences and commercial establishments within Vershire using heat pumps for thermal heating by the target year.

Data Source: LEAP Analysis & Target Municipal Aid.

9A. Existing Renewable Generation

Renewable Type	MW	MWh
Solar	0.3	444
Wind	0.0	0
Hydro	0.0	0
Biomass	0.0	0
Other	0.0	0
Total	0.3	444

This table shows existing renewable generation within Vershire for 2022, in both megawatt (MW) and megawatt hours (MWh), based on figures provided by PSD.

Data Source: PSD.

9B. Renewable Generation Potential

Renewable Type	MW	MWh
Ground-mounted solar	30	39,420
Rooftop Solar	5	6,017
Wind	20	38,533
Biomass	0	0
Hydro	0	0
Other	0	0
Total	54	83,970

Renewable generation potential is based on mapping completed by TRORC that is based on the Municipal Determination Standards and associated guidance documents developed by PSD. The renewable generation potential is expressed in MW and MWh by the type of renewable resource (solar, wind, hydro, etc.).

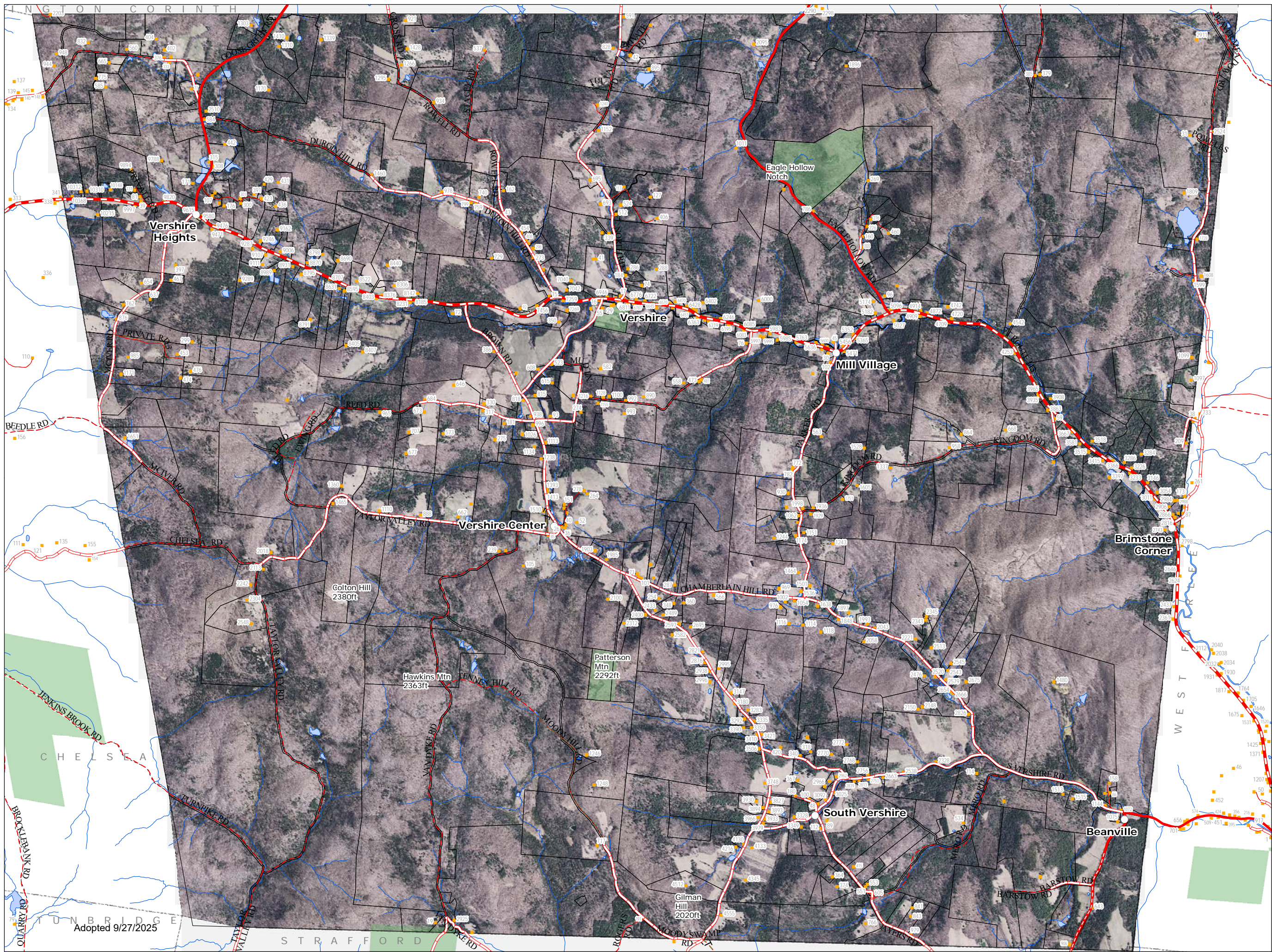
Data Sources: PSD. TRORC.

9C. Sufficient Land

Renewable Type	Land Available	Acreage Needed to Meet 2025 Target		Acreage Needed to Meet 2035 Target		Acreage Needed to Meet 2050 Target	
	Acres	Acres	%	Acres	%	Acres	%
Solar	210	2	1.1%	3	1.3%	4	2.1%
Wind	782	0	0.0%	0	0.0%	0	0.1%
Biomass	0	0	0.0%	0	0.0%	0	0.0%
Hydro	0	0	0.0%	0	0.0%	0	0.0%
Total	992	2	0.2%	3	0.3%	5	0.5%

This table shows there is sufficient land within Vershire to meet the renewable generation targets based on the renewable generation potential. The 'land available' category in this table only includes prime areas for wind and lands for solar generation that have no constraints and are not part of a priority forest block.

Data Sources: These prime areas for wind and solar generation were calculated by the Vermont Center for Geographic Information. TRORC excluded the acres of priority forest blocks mapped by the Vermont Agency of Natural Resources.



Vershire Town Plan

Current Land Use

Vershire, Vermont Adopted:
9/27/2025

Map I of 7

- VT route/TH cls 1
- TH cls 2
- TH cls 2 gravel
- TH cls 3
- TH cls 3 gravel
- TH cls 4
- trail
- private
- US route
- US interstate
- VT forest hwy

N

1 inch = 2,829 feet

0 0.5 1
Miles

1:33,942

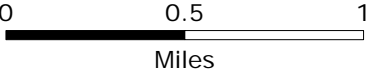
Vershire Town Plan

Future Land Use

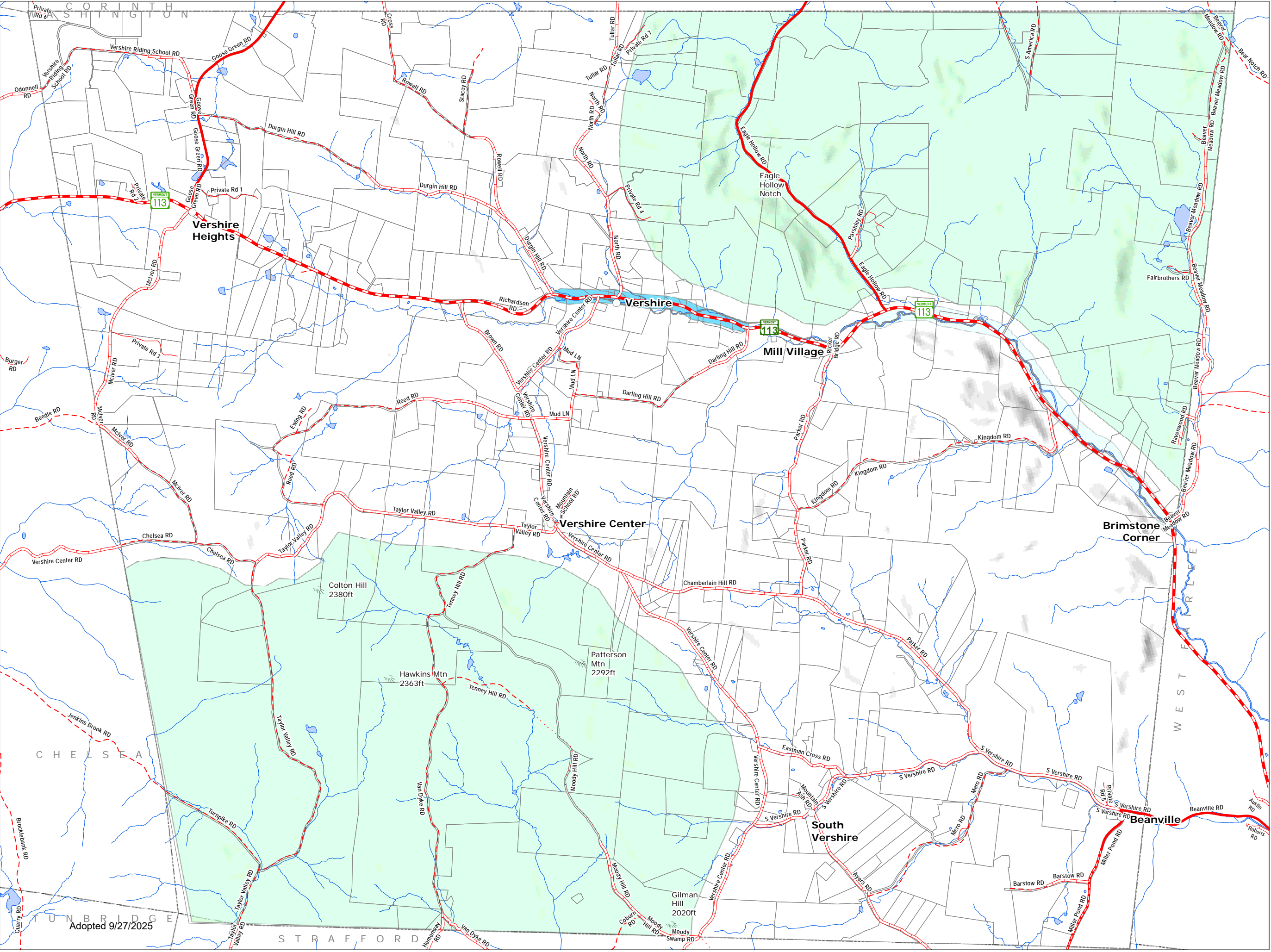
Vershire, Vermont
Adopted: 9/27/2025
Map 2 of 7

- VT route/TH cls 1
- TH cls 2
- TH cls 2 gravel
- TH cls 3
- TH cls 3 gravel
- TH cls 4
- trail
- private
- US route
- US interstate
- VT forest hwy
- 1998 Tax Parcels
- E911 Addresses
- Open Space Area
- Village Center Area
- Flood Hazard Area
- Rural Residential Area

1 inch = 2,833 feet



1:33,999



Vershire Town Plan Transportation

Vershire, Vermont

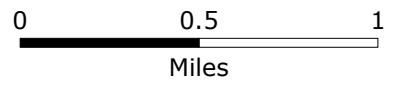
Adopted: 9/27/2025

Map 3 of 7

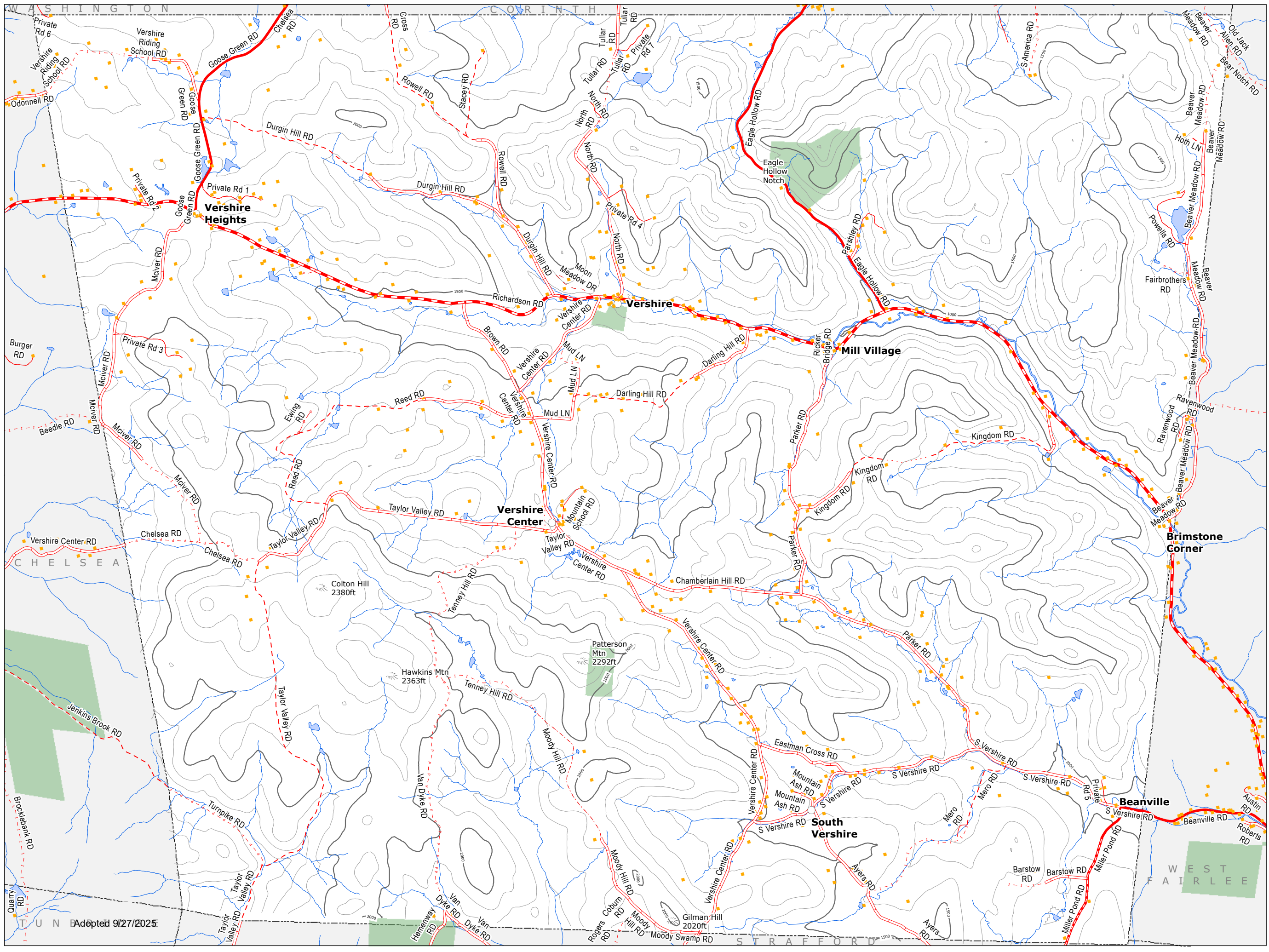
- VT route/TH cls 1
- TH cls 2
- TH cls 2 gravel
- TH cls 3
- TH cls 3 gravel
- TH cls 4
- trail
- private
- US route
- US interstate
- VT forest hwy

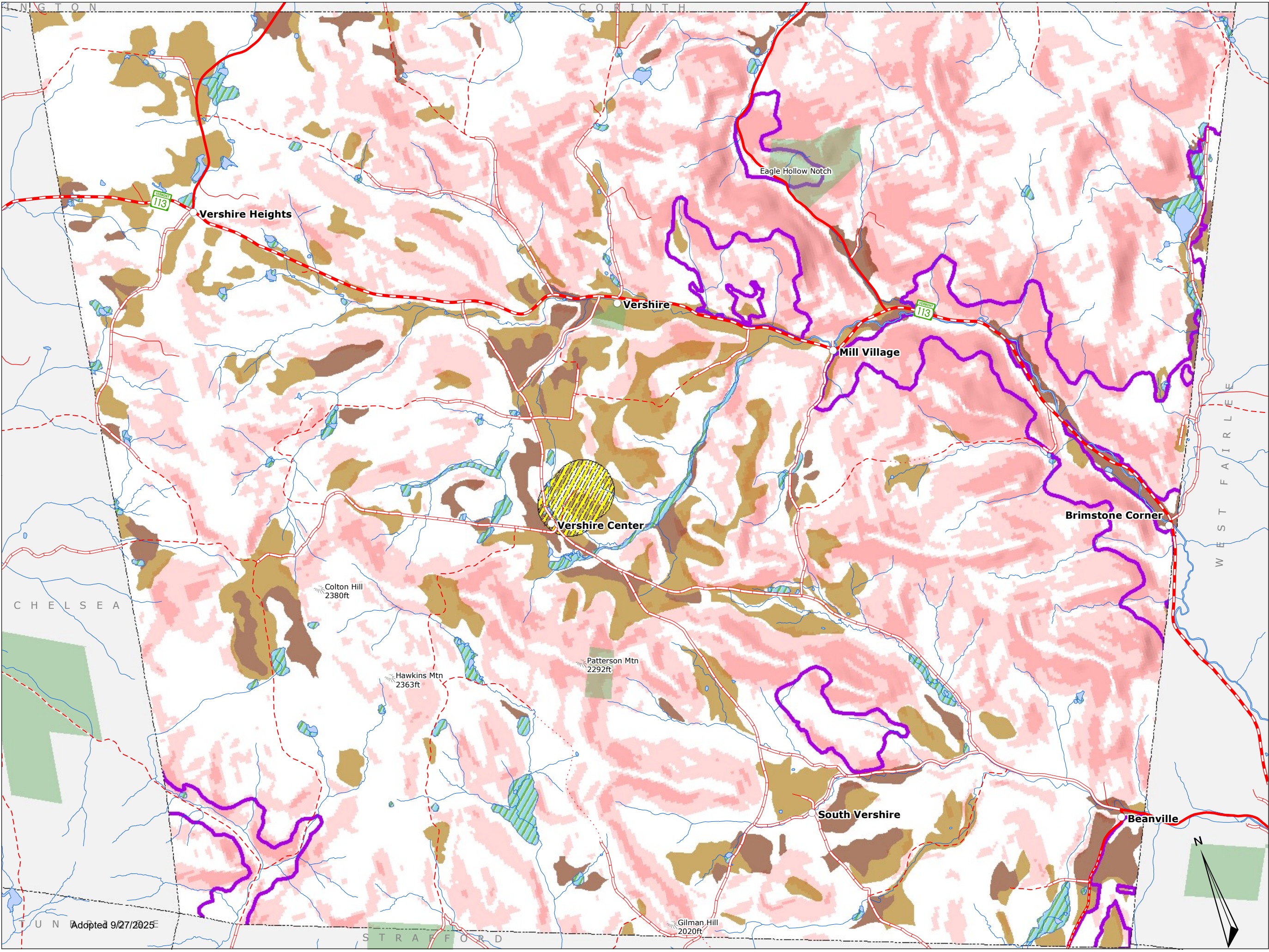


1 inch = 2,832 feet



1:33,985





Vershire Town Plan

Natural Resources

Vershire, Vermont

Adopted: 9/27/2025

Map 4 of 7

- 0 - 19 % Slopes
- 20 - 29 % Slopes
- 30 + % Slopes
- Prime Ag Soils
- Statewide Ag Soils
- Deer Wintering Areas
- Wetlands
- Groundwater Protection Area
- Surfacewater Protection Area

1 inch = 2,829 feet
1:33,942
0 0.5 1
Miles



Vershire Town Plan Utilities and Facilities

Vershire, Vermont

Adopted: 9/27/2025

Map 5 of 7

- VT route/TH cls 1
- TH cls 2
- TH cls 2 gravel
- TH cls 3
- TH cls 3 gravel
- TH cls 4
- trail
- private
- US route
- US interstate
- VT forest hwy
- Vershire Utilities and Facilities



1 inch = 1,127 feet

0 500 1,000
Feet

1:13,525



Adopted 9/27/2025

Vershire Town Plan Flood Resiliency

Vershire, Vermont
Adopted: 9/27/2025

Map 6 of 7

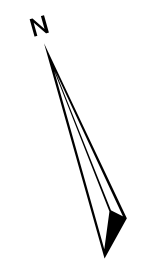
- VT route/TH cls 1
- TH cls 2
- TH cls 2 gravel
- TH cls 3
- TH cls 3 gravel
- TH cls 4
- trail
- private
- US route
- US interstate
- VT forest hwy

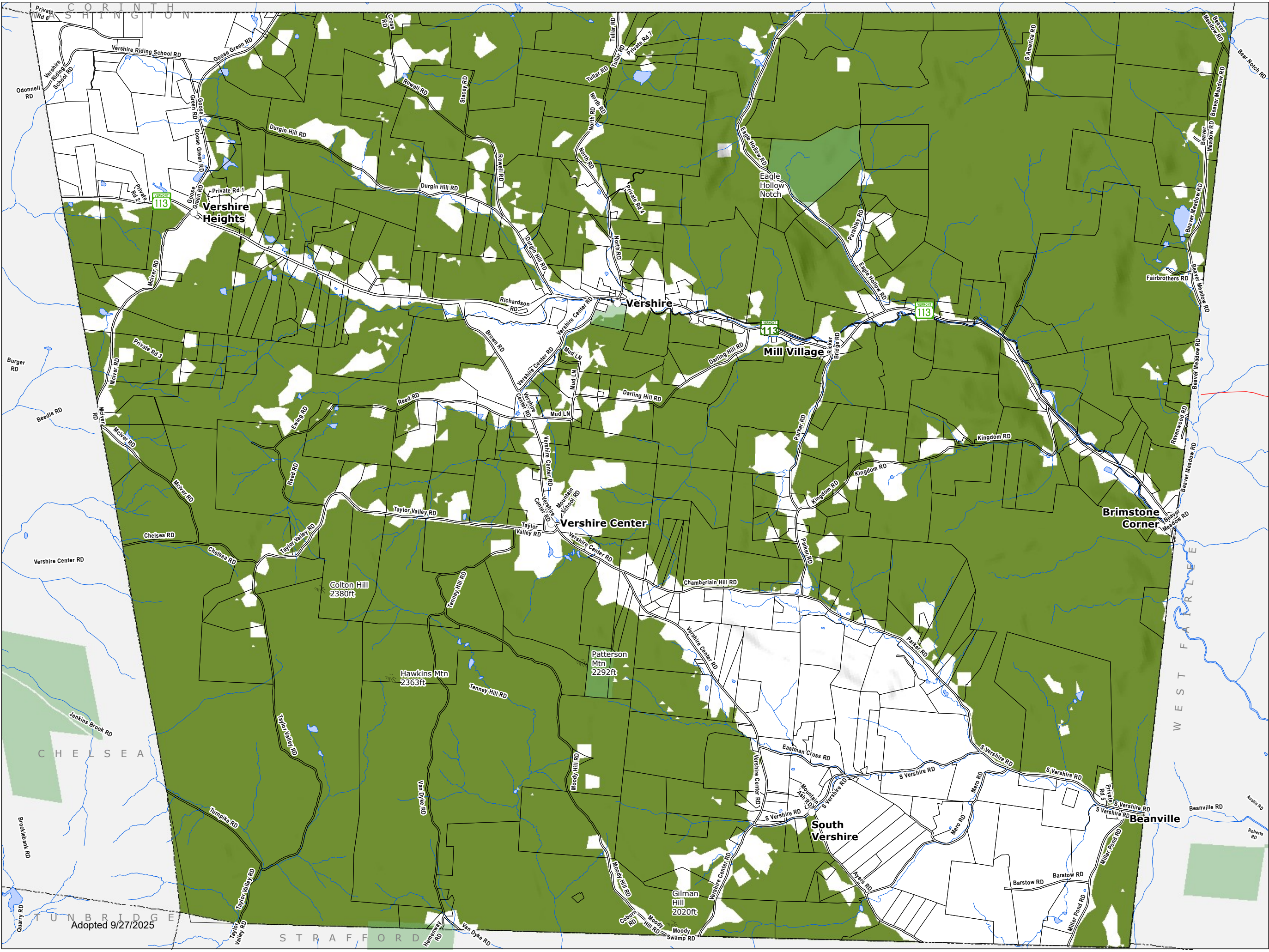
- River Corridors
- Floodplains
- Wetlands

1 inch = 2,530 feet

0 0.5 1
Miles

1:30,358





Vershire Town Plan

Forest Blocks

Vershire, Vermont

Adopted: 9/27/2025

Map 7 of 7

VT route/TH cls 1

TH cls 2

TH cls 2 gravel

TH cls 3

TH cls 3 gravel

TH cls 4

trail

private

US route

US interstate

VT forest hwy

VCD2a - Highest Priority Connectivity Blocks

1 inch = 2,829 feet

00.51

Miles

1:33,942

N

TRORC

Two Rivers-Ottauquechee

REGIONAL COMMISSION

trorc.org