

FY2021 ANNUAL REPORT

Underhill

The Chittenden County Regional Planning Commission (CCRPC) is a political subdivision of the State created by the municipalities of Chittenden County in 1966 for the development of policies, plans and programs that address regional issues and opportunities in Chittenden County. Its vision is to be a pre-eminent, integrated regional organization that plans for healthy, vibrant communities, economic development, and efficient transportation of people and goods while improving the region's livability. The CCRPC serves as the region's federally designated metropolitan planning organization (MPO) and is responsible for comprehensive and collaborative transportation planning involving municipalities, state and federal agencies and other key stakeholders in Chittenden County. The CCRPC works to ensure implementation of the regional transportation plan and provides technical and planning assistance to its member municipalities and the Vermont Agency of Transportation (VTrans).

The CCRPC is governed by a 29-member board consisting of one representative from each of the County's 19 municipalities; transportation representatives from VTrans, Green Mountain Transit (GMT), Federal Highway Administration (FHWA), Federal Transit Administration (FTA), Burlington International Airport (BIA), and a rail industry representative; and, at-large members representing the interests of agriculture, environmental conservation, business, and housing/socio-economic. The legislative body of each Chittenden County municipality selects its own representative and alternate. The full CCRPC selects the at-large representatives.

The CCRPC appreciates the continued opportunity to work with its municipal members to plan appropriately for the region's future to protect and improve the special quality of life that is shared throughout Chittenden County. In FY21, the CCRPC invested more than \$4.8 million in regional land use, transportation, emergency management, energy, natural resources, public engagement, training, and technical assistance. The program leverages more than \$4.3 million in Federal and State investment with \$250,400 in municipal dues and another \$242,500 in local match for specific projects—a 10:1 return on local investment.

Underhill representatives to the CCRPC Board and other committees in FY21 were:

- CCRPC Representative: Kurt Johnson | CCRPC Alternate: currently vacant
- Transportation Advisory Committee (TAC): Kurt Johnson
- Planning Advisory Committee (PAC): Andrew Strniste
- Clean Water Advisory Committee (CWAC): currently vacant

Specific activities the CCRPC is engaged in with Underhill, as well as CCRPC's regional activities, are discussed in the following sections.

Underhill Activities

In FY2021, the CCRPC provided assistance to Underhill on the following projects and initiatives:

- **Municipal Plan Development Assistance:** CCRPC staff continued to provide assistance with amendments to the Underhill Town Plan which included review to ensure the plan is consistent with the Department of Public Service energy planning standards and other statutorily required elements for municipal comprehensive plans.
- **Municipal Project Management:** The CCRPC continued to serve as the Municipal Project Manager for the VT 15/Underhill Flats sidewalk project. In FY20, CCRPC staff reviewed right-of-way plans, easement deeds, design plans, and consultant invoices. Final design plans and bid packet materials were completed in FY21.
- **River Road Pavement Assessment and Bicyclist Safety Analysis:** This project has involved two primary components: (1) An evaluation of the pavement condition along River Road, and (2) A roadway safety analysis of Pleasant Valley Road and Irish Settlement Road. The CCRPC contracted with VHB to evaluate existing physical infrastructure, natural and cultural resources, stormwater drainage issues, and the condition of the pavement along River Road. VHB's subconsultant (Sanborn Head) conducted geotechnical borings of the existing pavement to measure the thickness of existing asphalt, pavement subbase, sub surface conditions, and locate groundwater depths. The second focus of this study included an analysis of safety and geometric constraints along Pleasant Valley Road and Irish Settlement Road. The final report for the roadway safety analysis was completed in July 2020: (https://studiesandreports.ccrpcvt.org/wp-content/uploads/2021/04/PleasantValleyRoad_IrishSettlementRoad_RoadwaySafetyAnalysis_FINAL.pdf). The final report for the pavement analysis was completed in April 2021: (https://studiesandreports.ccrpcvt.org/wp-content/uploads/2021/04/UnderhillRoadwayAssessment_FINAL.pdf). Total consultant budget for this project: \$50,000
- **Tri-Town (Jericho, Underhill, Cambridge) Transit Feasibility Study:** The three contiguous communities of Cambridge, Underhill, and Jericho are seeking to develop a comprehensive "alternative" transportation system (i.e. one that does not rely heavily on single-occupancy auto) to serve their residents. This area has come to be called the "Tri-Town" area. The purpose of this study was to examine the range of possibilities for accomplishing this including various modes and services, organizational and administrative structures, and funding. It is intended that the results be relevant not only to the Tri-Town area but also for other rural portions of the GMT region. The final report for this study was completed in June 2021: (<https://studiesandreports.ccrpcvt.org/wp-content/uploads/2021/07/Tri-Town-Study-Final-Report.pdf>).
- **Emergency Management – LEMP:** CCRPC staff offered assistance in preparation of the annual Local Emergency Management Plan (LEMP) to ensure that Underhill has an identified chain of command for efficient response in the event of an emergency.
- **Water Quality Planning Assistance:** The CCRPC continued to provide assistance with Municipal Roads General Permit (MRGP) compliance. This included investigating previously 'non-assessed'

class 4 segments as they pertain to the permit. Staff reviewed and sent REI updates to the DEC data portal before the December 31, 2020 deadline.

- **Geographic Information Systems:** CCRPC staff made updates to the Underhill map viewer to include new housing and MRGP data, as well as to include natural resource and regulatory development constraints: <https://map.ccrpcvt.org/underhillmapviewer/>
- **Elders and Persons with Disabilities (E&D) Transportation Program:** The E&D transportation program in Chittenden County has continued to adapt under the changing conditions of the COVID-19 pandemic. Throughout much of the fiscal year, the E&D program had been operating at around 50% of the original ride capacity due to COVID-19 restrictions. However, despite these challenges, the E&D program still delivered vital transportation assistance to older adults and persons with disabilities in Underhill. In FY21, 43 trips were provided to Underhill residents as part of this program.
- **Traffic Counts:** Due to COVID-19, the CCRPC's ability to conduct traffic counts in FY21 was limited. Traffic counts conducted in previous years in support of Underhill's transportation projects and studies can be found here: (<http://vtrans.ms2soft.com/>).
- **Technical Assistance:** CCRPC staff provided a variety of technical assistance to the Town, including:
 - Provided support to Town staff regarding issues related to cemetery regulations;
 - Processed and reviewed traffic speed and volume data collected within the Homestead Acres neighborhood and delivered a technical memo with recommendations to the Town;
 - Wrote a letter of support for the United Church affordable housing grant application;
 - Wrote a letter of support for an Underhill bike/ped grant application.

Underhill Projects in the Transportation Improvement Program (TIP)

The TIP (<http://www.ccrpcvt.org/our-work/our-plans/transportation-improvement-program/>) is a prioritized, multi-year list of transportation projects in Chittenden County. To receive federal funds, each transportation project, program or operation must be authorized through the TIP. Underhill projects included in the TIP are listed below. These projects are also identified in the FY21 Vermont Agency of Transportation Capital Program for design or construction.

- **VT15/Underhill Flats Sidewalk:** 2013 Bike/Ped Grant of \$342,022 for the construction of 2,640 feet of sidewalk along VT 15 from Park St to Dumas. Sidewalk to be constructed in 2021.

Regional Activities

- **ECOS Plan Implementation:** The CCRPC continues to implement the strategies of the [2018 Chittenden County ECOS Plan](#). The ECOS Plan (Environment; Community; Opportunity; Sustainability) is the regional plan for Chittenden County and combines three plans into one: The Regional Plan, the Metropolitan Transportation Plan, and the Comprehensive Economic Development Strategy. The 2020 ECOS Annual Report includes some of the data we report on annually, as well as indicators of disparities that have resulted from systemic racism in our

nation and community, as well as indicators associated with the COVID-19 pandemic. This intentional focus on race, equity, and the COVID-19 pandemic marks the commitment of the ECOS Leadership Team to address these challenges (<http://www.ecosproject.com/2020-annual-report>). In addition, the ECOS Scorecard hosts the ECOS Partners' shared measurement and indicator system that monitors how Chittenden County is doing relative to achieving our shared ECOS goals (<https://app.resultsscorecard.com/Scorecard/Embed/8502>).

- **Legislative Forum:** On December 8th, the CCRPC hosted a Legislative briefing to serve as a forum for municipal representatives and legislators to connect on a few important topics for the upcoming legislative session, including: Act 250 changes, housing, broadband, water quality funding, regional dispatch, energy/climate, cannabis, the economy and workforce, transportation investments, property tax implications of Covid-19 and racial equity (<http://www.ccrpcvt.org/about-us/commission/policies-positions/>).
- **Public Engagement & Racial Equity:** Achieving a healthy, inclusive, and prosperous future for Chittenden County is the vision of our Regional ECOS Plan. However, the ECOS partners know we cannot achieve that future without addressing the systemic racism in our community. While addressing inequity has been one of the eight key strategies in the ECOS Plan since 2013, there is much work to be done. Throughout the past fiscal year, CCRPC staff have started to plan for the update of the **2014 Public Participation Plan** (PPP: <http://www.ccrpcvt.org/our-work/our-plans/public-participation-plan/>) with a renewed focus on analyzing inequities in all sectors of our work to ensure that we actively eliminate barriers and foster an inclusive and meaningful public engagement for all planning and policy work we do – this meaningful engagement is the foundation that leads to actions that meet the needs of our diverse community. In FY20, the CCRPC continued to address issues related to racial and economic disparities through the following actions:
 - Hiring a consultant, Creative Discourse, to address racial equity within the organization.
 - Established a CCRPC Racial Equity Leadership Team.
 - Facilitating, providing, and/or taking advantage of educational opportunities for our staff, municipalities, and other local and regional partners that address inequities and advance anti-racism efforts.
 - Strengthening existing relationships and partnerships and forging new ones with Vermont organizations working to advance anti-racism efforts.
 - In FY21 we will be holding an Equity Summit and examining our organization's policies, practices, culture, and services through the lens of anti-racism and white privilege to ensure they reflect our commitment to racial justice.
- **Building Homes Together:** The Building Homes Together campaign was initiated by the CCRPC, Champlain Housing Trust, and Housing Vermont (now Evernorth) in 2016. The campaign, supported by over a hundred local and state officials, nonprofits, businesses, and individuals, set a five-year goal of 3,500 new homes in Chittenden County with 20% of them permanently affordable. This amounts to an annual target of 700 overall homes with 140 affordable; the average over the first four years is 787 homes, and only 112 of them affordable. While the 2020 annual progress report showed continued overall success in new housing being created, there is still a persistent lack of affordable homes in our region. More information can be found at <http://www.ecosproject.com/building-homes-together/>.

- **Public Health:** In response to remote work, education, health care, and other needs prompted by the COVID-19 pandemic state of emergency, the CCRPC has been assisting state agencies and municipalities with a number of pandemic-related planning efforts through the following actions:
 - Identification of locations with free public Wi-Fi for access to the internet.
 - Support with COVID-19 information sharing between Vermont Emergency Management, municipalities, and other partners.
 - Participation in the Governor's COVID press conferences and Vermont Emergency Management's municipal official meetings.
- **Emergency Management:** During the unprecedented time of global response to the COVID-19 pandemic, CCRPC staff worked with municipalities, state health officials, and the public to relay important updates, resources, and general information about the pandemic. A COVID-19 Municipal Response webpage was maintained (<https://www.ccrpcvt.org/covid-19/>). CCRPC staff assisted Chittenden County municipalities with applications for the Local Government Expense Reimbursement (LGER) grant program to help cover the cost of eligible COVID-19 expenses such as supplies, facility alterations and overtime compensation. In addition to focusing resources on addressing the pandemic in our region, the CCRPC hosted the final meetings of Local Emergency Planning Committee (LEPC 1, <http://www.ccrpcvt.org/about-us/committees/local-emergency-planning-committee/>) and worked with the state on the transition to a statewide LEPC starting in July 2021. CCRPC staff participate in a wide array of emergency management-related workshops and exercises to enhance resilience to disasters in our region. The CCRPC also served as the local liaison between municipalities and the state to collect damage assessment information after significant storm events, helped with emergency preparedness for hazardous materials incidents, collected information from each municipality on annual implementation of hazard mitigation activities, and worked with municipalities to complete Local Emergency Management Plans.
- **Regional Energy Planning:** The CCRPC has been continuing to move forward with initiatives to support the Region's Enhanced Energy Plan (<http://www.ccrpcvt.org/our-work/our-plans/regional-energy-plan/>). Implementation activities funded by Efficiency Vermont in FY21 included: Weatherization Wednesdays, a Button-Up Vermont event, statewide RPC roundtables, energy data reporting and training, energy committee technical assistance, and electric vehicle education webinars.
- **Chittenden County I-89 2050 Study:** The CCRPC in collaboration with VTrans, municipalities, and other interested parties is conducting the I-89 2050 Study to assess safety, capacity, multimodal access, resilience, and other transportation and land use issues along the I-89 Corridor and its interchanges within Chittenden County; and to develop a comprehensive multimodal investment plan through 2050. A Vision was established for the I-89 Corridor, as an interstate system (mainline and interchanges) that is safe, resilient, and provides for reliable and efficient movement of people and goods in support of state, regional, and municipal plans and goals. To date, the study evaluated existing multimodal conditions along the I-89 Corridor and its interchanges; evaluated numerous new and improved interchange alternatives; conducted extensive outreach to the public including underserved populations, municipal officials, and other stakeholder groups; and developed bundles of multimodal corridor

improvements that will be evaluated in the next phase of the I-89 2050 Study. For more information, please visit the project website at <https://envision89.com/>.

- **Transportation Demand Management:** In partnership with VTrans, CCRPC staff continued the **Way to Go! School Challenge** (www.waytogovt.org) as a school-focused K-12 program to encourage sustainable transportation and demonstrate the environmental and financial benefits of non-single occupant vehicle travel. Due to the impacts of COVID-19, the program shifted online to provide resources and encouragement as families were remote, and a two-week spring event was open to all Vermonters to encourage active movement. In 2020/2021, 97 schools signed up, with 32 schools actively participating. Over the course of the 2020-2021 school year, these schools ran 186 events with 20,967 instances of student engagement and 1,988 instances of faculty engagement. The CCRPC participated in CATMA's Employer Transportation Coordinator (ETC) Network program and events to learn from other ETC Network members about employee TDM benefits and programs. The CCRPC also continued to collaborate with regional TDM partners to evaluate strategies and policies to encourage sustainable modes of transportation such as walking, biking, ridesharing, vanpooling, transit, bikesharing and carsharing. TDM partners include: the Chittenden Area Transportation Management Association (CATMA), CarShare VT, the University of Vermont, Green Mountain Transit (GMT), Local Motion, Greenride Bikeshare, Go! Vermont/VTrans, and United Way.
- **Public Transportation Planning:** Throughout the past year, the CCRPC has been engaged with GMT in a wide variety of public transit planning projects and initiatives to support the continued development of a transportation system that is efficient, equitable and environmentally sustainable. In FY21, the CCRPC staff participated in Association for Commuter Transportation (ACT) meetings (<https://www.actweb.org/>), were involved in GMT's Operations Committee and Board meetings, served as a stakeholder for the Vermont Clean Cities Coalition's Future of Rural Transit Project (<https://vtccc.w3.uvm.edu/projects/future-of-rural-transit/>) and managed the Tri-Town Area (Jericho, Underhill, Cambridge) Transit Feasibility Study, which was completed at the end of June (<https://studiesandreports.ccrpcvt.org/wp-content/uploads/2021/07/Tri-Town-Study-Final-Report.pdf>).
- **Elders and Persons with Disabilities (E&D) Transportation Program:** The Chittenden County E&D Transportation Program supports community members through affordable transportation to medical appointments, access to fresh food at the grocery store, and social visits with friends and family. Following the comprehensive E&D program evaluation that began in FY19, the CCRPC has continued to collaborate with committee stakeholders, Green Mountain Transit (GMT), the Special Services Transportation Agency (SSTA) and United Way of Northwest VT to evaluate program improvements for E&D transportation. In FY21, the E&D Committee held four quarterly meetings to discuss program funding, volunteer driver utilization and opportunities to enhance transportation equity within our region.
- **Neighbor Rides:** Beginning in 2013, the CCRPC started to invest in United Way's Neighbor Rides program to integrate volunteer drivers into human services transportation in order to increase access to transportation for seniors and persons with disabilities by offering a lower-cost option (<http://www.unitedwaynwvt.org/Neighbor-Rides>). In FY21, this program shifted its focus to work with community partners on a more collaborative volunteer driver strategy. However, as COVID-19 pandemic evolved, this goal was revised to focus on integrating health and safety strategies within the program.

- **Active Transportation Planning:** CCRPC staff collaborated with TDM partners and local municipalities to expand the Greenride Bikeshare system and convert the fleet to electric assist bicycles (www.greenridebikeshare.com). The CCRPC also promoted TDM strategies and provided bike/ped-related technical assistance to municipalities and businesses, assisted municipalities with bike/ped grant and UPWP applications, managed bike/ped-related UPWP projects, and conducted bike/ped counts on paths, designated bike lanes, and other roadways. The CCRPC also continued to host the webinar series from the Association of Pedestrian and Bicycling Professionals for municipalities and regional partners.
- **Clean Water:** The CCRPC's water quality initiatives help to safeguard our clean drinking water, support our recreation and tourism industry, and make our municipalities more resilient to flood events. The CCRPC continues to host the Clean Water Advisory Committee and the MS-4 Sub-Committee (<https://www.ccrpcvt.org/about-us/committees/clean-water-advisory-committee/>) and provide guidance for the Vermont Clean Water Fund. CCRPC staff also joined the Lake Champlain Sea Grant Program Advisory Committee, participated in Vermont Clean Water Network meetings, assisted municipalities with developing stormwater master plans and implementing Clean Water Block Grant projects, supported education programs such as the Rethink Runoff (<http://www.rethinkrunoff.org>), assisted with watershed resiliency mapping, participated in water quality-focused policy discussions, and was appointed by the Vermont DEC to become the Clean Water Service Provider (CWSP) for the Northern Lake Champlain Direct Drainages, Basin (5). As the Basin 5 CWSP, the CCRPC will oversee the development and implementation of non-regulatory water quality improvement projects that reduce phosphorus loading into these streams and Lake Champlain.
- **Municipal Roads General Permit (MRGP) Compliance and Water Quality Planning Assistance:** CRRPC staff continues to work with all Chittenden County municipalities on meeting their MRGP obligations. This includes evaluating segments through Road Erosion Inventories (REIs), tracking and documenting upgraded segments and outlets, and reporting to DEC. Staff also assists municipalities with the State's Grants in Aid (GIA) program, which allocates money to participating towns for stormwater improvements related to the MRGP. In FY2021, 13 Chittenden County municipalities signed up to participate in the GIA program; an estimated 38 non-compliant segments will be upgraded using the allocated \$253,000.
- **Intelligent Transportation Systems (ITS) and Bluetooth Technology:** Intelligent Transportation Systems (ITS) technologies enhance transportation safety and increase mobility through the integration of advanced communications technologies into transportation infrastructure. The CCRPC has continued to monitor Bluetooth devices that were deployed along five high-traffic corridors in Chittenden County. Real time speed data from this system will be utilized by the VTrans Advanced Transportation Management System (ATMS) and Traveler Information System (TIS) for the Tri-state 511 system. CCRPC has initiated an update to the ITS regional architecture including updates to the participant list, roles and responsibilities of regional interested parties, service packages, and the ITS project list.
- **Comprehensive Economic Development Strategy:** With federal funding from the US Economic Development Administration, CCRPC began work on a Comprehensive Economic Development Strategy (CEDS) for our region and the Addison, Rutland and Central VT regions -- collectively called the [West Central Vermont CEDS](#). Ultimately this document will help identify priority economic development strategies and projects and will be used by a variety of federal and state

funding programs when making grant decisions.

- **Regional Technical Assistance:** This includes, but is not limited to, municipal technical assistance for various transportation issues, GIS mapping, and bylaw revisions, Act 250/Section 248 application reviews, grant administration and grant application assistance for plans, projects and initiatives at the local level that help advance the ECOS Strategies, Metropolitan Transportation Plan (MTP), and Transportation Improvement Program (TIP).
 - **Lake Champlain Byway:** Chittenden County includes eight of the Byway's 22 communities: Milton, Colchester, Winooski, Essex Junction, Burlington, South Burlington, Shelburne, and Charlotte. CCRPC staff maintained the Byway website (<https://lakechamplainbyway.com/>) including a helpful Interactive Map (<http://map.ccrpcvt.org/lcbyway/>).
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For further information about the CCRPC, please visit <http://www.ccrpcvt.org/> or contact CCRPC Executive Director, Charlie Baker: cbaker@ccrpcvt.org.