Initiative	Lead Organization	Theme	Core Component	Initiative Type	Description
Ag Innovation Board	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems	Economic and Environmental Sustainability	Enforcement	In the 2021 Legislative Session, the Vermont Legislature passed Act 49, which repealed the Vermont Pesticide Advisory Council (VPAC) and replaced it with the Agricultural Innovation Board (AIB). VPAC was established in 1986 under the Kunin administration as an inter-agency council to reduce pesticide usage in the state. Since that time, pesticide issues have become more far-reaching and require a more diverse set of expertise for analysis. The idea behind the AIB is to create a more holistic approach to pesticide management and policymaking in the state. Pesticides and the impacts of their use must be analyzed in a broader health and environmental context.
Agricultural Residuals Management Program	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems	Economic and Environmental Sustainability	Enforcement	The Vermont Legislature enacted Act 41 in 2021 to establish an Agricultural Residuals Management Program within the Agency of Agriculture, Food and Markets. Agricultural residuals can be considered the remaining organic material left over from food production or other processes that are either generated by a farm or imported onto a farm for farming purposes. Agricultural residuals include straw, husks, stover, yard debris, source-separated food scraps, and food process scraps. When managed properly (e.g., through composting), these often nutrient-rich materials can provide farms with a low-cost source for soil enrichment while also furthering Vermont's commitments towards closing the loop on waste under the Universal Recycling Law.
Agriview	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems	Economic and Environmental Sustainability	Education, Outreach	Since 1937, Agriview has been the flagship news source of the Vermont Agency of Agriculture, Food and Markets (Agency). Delivered to your mailbox for 83 years, Agriview contains Vermont agriculture news, information, events, recipes, regulatory information from the Agency, and important stories about your neighbors and friends who keep Vermont's agricultural heritage alive and well.
Animal Health Office - Biosecurity	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems	Economic and Environmental Sustainability	Enforcement	The Animal Health Section of the Vermont Agency of Agriculture, Food, and Markets protects the health and welfare of Vermonters and their livestock and poultry by advancing a safe and secure food supply within a marketplace that provides fair and equal access to consumers and processors while enhancing Vermont's working landscape, rural character and local economies.
Best Management Practices Program & Agricultural Engineering Services	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems	Economic and Environmental Sustainability	Granting	The Agricultural Engineering Section assists farmers with on-farm improvements designed to abate non-point source agricultural waste discharges into the waters of the State of Vermont. It is our mission to assist Vermont farmers to achieve and maintain regulatory compliance in a way that is viable for the operation of the farm and of benefit to water quality by providing technical assistance, project management and financial assistance.
Capital Equipment Assistance Program (CEAP)	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems	Economic and Environmental Sustainability	Granting	Financial assistance is available for new or used innovative equipment that will reduce the surface runoff of agricultural wastes into state waters, improve the water quality of state waters, reduce odors from manure application, separate phosphorus from manure, mitigate greenhouse gases, and reduce costs to farmers when they apply manure.
Community Supported Agriculture Grant	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems	Economic and Environmental Sustainability	Granting	The goal of this program is to help early childhood providers and after-school programs access more Vermont-grown produce and food. Successful applicants will be awarded a reimbursement grant to subsidize 70-80 percent of the cost of community-supported agriculture (CSA) or farm share from the Vermont farm or farm collaborative of their choice. Grants of up to $1,000 are available. As a reimbursement grant, successful applicants will be required to purchase their CSA or farm share(s) prior to receiving their grant funds.
Enforcement Section	Environmental Conservation, Dept. of (DEC)	Agriculture and Food Systems	Economic and Environmental Sustainability	Enforcement	The Enforcement Section is responsible for the investigation and documentation of any/all alleged violations (including citizen complaints) of Vermont's environmental permits, rules, regulations, and statutes that are under the jurisdiction of DEC and the Department of Forest Parks and Recreation (DFPR).
Farm to Institution Market Development Grants	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems	Economic and Environmental Sustainability	Granting	The Farm to Institution Market Development Grant (formerly Local Food Market Development Grant) is intended to support market development opportunities for local food producers and processors, with a focus on Vermont institutional markets. Funding is provided to help local producers access and engage with schools, hospitals, colleges, correctional facilities, nursing homes, hospitals, and other local institutions.

Farmland Conservation Program (including Funding Policy for Agricultural Land)	Housing and Conservation Board (VHCB)	Agriculture and Food Systems	Economic and Environmental Sustainability	Granting	The initiative aims to protect and preserve agricultural lands by providing grants and loans for purchasing development rights and supporting partner organizations, with a focus on resilience against conversion threats. Priority is given to projects that not only maintain active agricultural use but also integrate housing and conservation objectives, ensuring that farmland remains accessible and sustainable for future generations of farmers.
Food Access Information Network (FAIN)	Education, Agency of (AOE)	Agriculture and Food Systems	Economic and Environmental Sustainability	Operations	Coordination and information sharing group co-led by the Agency of Education to share information on food insecurity in times of disaster and available resources from partners. Networks consist of representation from XX organizations, meet XX, and coordinate with the SEOC Agency of Human Services representative on mass feeding during times of disaster.
Meat & Produce Agriculture Development Grant	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems	Economic and Environmental Sustainability	Granting	The Agency of Agriculture's Meat and Produce Agriculture Development Grant is a new funding opportunity offered in FY2024. This grant aims to fund projects that focus on and improve (1) climate resiliency, (2) infrastructure, operations, and capacity growth, and/or (3) worker and food safety and product quality. This grant is available to for-profit businesses and operations. Projects funded through this grant may include infrastructure, equipment, storage and processing upgrades, and training. Both meat and produce producers and processors are encouraged to apply.
NE-DBIC Dairy Farm Cohort Technical Assistance Contract	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems	Economic and Environmental Sustainability	Granting	The Dairy Farm Cohort Technical Assistance Contract provides funding for contractors to offer cohort-based technical assistance for dairy farmers in one or more of the following areas: increased grazing quality and quantity, home-grown forage enhancement, alternative herd management, innovative staffing, and business management, and marketing and education of dairy production practices.
NE-DBIC Dairy Farm Improvement & Modernization Grant	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems	Economic and Environmental Sustainability	Granting	The Dairy Farm Improvement & Modernization Grant program provides grants for dairy farmers to support long-term farm viability through the implementation of community- and climate-forward production strategies. Projects funded through this grant program will take a strategic, whole-farm system approach to increase collaboration with other farms or dairy sector stakeholders. Grants will allow dairy farmers to make improvements to their management strategies, modernize equipment and systems, and/or implement modern or innovative practices.
NE-DBIC Dairy Food Safety & Certification Grant	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems	Economic and Environmental Sustainability	Granting	The Dairy Food Safety & Certification Grant program provides funding for dairy farmers, processors, and /or producer associations to take actionable steps to improve the safety of dairy products. Funded projects should support increased production safety standards with the goal of accessing new markets. Activities covered by this grant include accessing technical assistance, audits, food safety plan development, training, testing fees, and
NE-DBIC Dairy Marketing & Branding Services Grant	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems	Economic and Environmental Sustainability	Granting	The Dairy Marketing and Branding Services Grant Program provides grants for established value-added dairy processors and producer associations to access professional marketing and branding services to elevate value-added businesses. Projects funded through this grant should increase the exposure and promotion of regionally produced dairy products guided by marketing/branding professionals.
NE-DBIC Dairy Packaging Innovation Grant	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems	Economic and Environmental Sustainability	Granting	The Dairy Packaging Innovation Grant program aims to fund projects that decrease the environmental impacts of dairy products and supply chain packaging and increase the marketability of dairy products. Grant funds are available to projects along the spectrum of research, development, and implementation, and for projects at a variety of scales. Projects will be collaborative and include an educational or information-sharing component
NE-DBIC Dairy Processing Research & Development Innovation Grant	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems	Economic and Environmental Sustainability	Granting	The Dairy Processing Research & Development Innovation Grant program aims to provide funds for dairy processors, dairy producer associations, and educational institutions to conduct research and development projects that support innovation for Northeast dairy processors across a variety of scales. Funded projects will be centered on developing alternatives to current industry standards through projects that are applicable, scalable, and replicable to other Northeast dairy processors across a variety of scales.
NE-DBIC On-Farm Milk Storage & Handling Grant	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems	Economic and Environmental Sustainability	Granting	The On-Farm Milk Storage & Handling Grant program aims to provide funding to dairy farmers to support the purchase of equipment and other related costs that will improve milk storage, handling, and energy efficiencies. The focus of this grant is on the purchase of specialized equipment.

New & Beginning Farmer Resources	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems	Economic and Environmental Sustainability	Tool/Data	The Vermont Agency of Agriculture, Food & Markets maintains a repository of resources for new and beginning farmers. The list of resources VAAFM has compiled covers a wide breadth of topics relevant to new and aspiring farmers in starting their agricultural venture. Visit the website to explore all the resources thoroughly.
Northeast Dairy Business Innovation Center (NE-DBIC)	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems	Economic and Environmental Sustainability	Granting	The Northeast Dairy Business Innovation Center (NE-DBIC), hosted by the Vermont Agency of Agriculture, Food & Markets, is one of four USDA Dairy Business Innovation Initiatives (DBII) nationwide. The NE-DBIC launched in February 2020 and serves a ten-state region that includes all New England states: Delaware, New Jersey, New York, and Pennsylvania. The NE-DBIC supports dairy businesses through projects that promote the development, production, marketing, and distribution of dairy products.
Organic Certification Cost Share Program	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems	Economic and Environmental Sustainability	Granting	The Vermont Agency of Agriculture, Food, and Markets (VAAFM) offers funding assistance through the U.S. Department of Agriculture (USDA) Agricultural Marketing Service (AMS) to organic producers and handlers of agricultural products who have received organic certification through a USDA-accredited certifying agent. Certified organic operations may receive reimbursement of up to 50% of their direct certification costs paid between October 1 and September 30 annually, not to exceed $750 per certification scope. Up to four eligible certification scopes (crops, livestock, wild crops, and handling) must be individually inspected for organic certification to be eligible for reimbursement. Reimbursement is available on a first-come, first-served basis.
Primary Agricultural Soils Development Review Programs (Act 250 9(B) & § 248 PAS impact review programs)	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems	Economic and Environmental Sustainability	Enforcement	VAAFM reviews development projects jurisdictional to either Act 250 or Section 248 proceedings that impact Primary Agricultural Soils. If a project subject to Act 250 or Section 248 jurisdiction contains soils that NRCS maps as of “prime,” “statewide,” or "local" importance or any soils in recent agricultural use, the Agency will review and provide recommendations for avoidance, minimization, and mitigation of development impacts to the soil resource.
Resilient Food Systems Infrastructure Program	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems	Economic and Environmental Sustainability	Granting	The purpose of the Resilient Food Systems Infrastructure (RFSI) program is to build resilience in the middle of the food supply chain, support market development and new market opportunities for Vermont farm and food businesses, and promote the development of Vermont value-added products. This program is funded through the USDA Resilient Food Systems Infrastructure Program. Vermont will have approximately $2 million available for infrastructure projects and $1 million for equipment-only projects. Further details for this grant will be available in the spring of 2024.
Summer Food Service Program	Education, Agency of (AOE)	Agriculture and Food Systems	Economic and Environmental Sustainability	Operations	The Summer Food Service Program (SFSP) is federally funded by the United States Department of Agriculture (USDA) and state-administered by the Vermont Agency of Education Child Nutrition Programs. The program consists of sponsors who are administratively and fiscally responsible for the program and the sites where meals are served and consumed. Program sponsors can be supervisory unions or school districts, government entities, camps, or private, non-profit organizations. Reimbursement is based on the number of eligible meals served multiplied by a rate established by the USDA. A higher level of reimbursement supports rural and self-operated sites. This program can also be accessed when schools are closed to provide meals to students through age
Trade Show Assistance Grants	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems	Economic and Environmental Sustainability	Granting	The Vermont Agency of Agriculture, Food & Markets (VAAFM) Trade Show Assistance Grants, funded through the Working Lands Enterprise Initiative, provide Vermont agricultural and forestry businesses with funds to exhibit and sell their Vermont products at trade shows targeting out-of-state buyers. These matching grants can partially offset the expenses associated with exhibiting at trade shows, which provide excellent opportunities to network with wholesale buyers and expand into new domestic and international markets. These matching grants can mitigate the financial risks associated with exhibiting at trade shows, which provide excellent opportunities to network with wholesale buyers.

USDA Foods	Education, Agency of (AOE)	Agriculture and Food Systems	Economic and Environmental Sustainability	Operations	Vermont schools participating in the National School Lunch Program are entitled to receive an additional 31.25 cents per meal served in the form of food purchased by USDA to support American agricultural markets. Throughout the school year, the selected foods arrive at the state-contracted warehouse, and schools release their foods for delivery using the contractor's ordering website. USDA Foods available in Vermont include a variety of canned and frozen fruits, frozen vegetables, meats and cheeses, whole grain pasta, tortillas and pancakes, and even yogurt. USDA Foods are 100% American-grown, and some of our USDA Foods come from our region – including frozen wild blueberries from Maine, frozen vegetables from New York State, and Greek-style yogurt from Vermont. Food can be used for emergency feeding but must be used
VT Speciality Crop Block Grant	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems	Economic and Environmental Sustainability	Granting	The U.S. Department of Agriculture's Agricultural Marketing Service (USDA AMS) awards specialty Crop Block Grants to the 50 States, the District of Columbia, and U.S. territories. In Vermont, the Agency of Agriculture, Food & Markets (VAAFM) administers these funds to enhance the competitiveness of Vermont and regionally grown specialty crops (including honey, hops, maple syrup and mushrooms), and nursery crops (including Christmas trees and
Water Haulers List	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems	Economic and Environmental Sustainability, Early Warning Systems and Fast, Effective Response	Tool/Data	The summer of 2020 is providing many challenges due to COVID-19. Now, we can add heat and water concerns to that list. As a service to our agricultural community, the State of Vermont has compiled a list of Vermont businesses that provide water hauling services.
Emerging Contaminant Testing	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems	Economic and Environmental Sustainability, Nature-Based Solutions	Technical Assistance	The Vermont Agriculture and Environmental Laboratory (VAEL) provides accurate and timely analytical testing services supporting State Agencies and others who regulate or monitor environmental, agricultural, animal, and consumer health.
WLEI - Business Enhancement Grants	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems, Economic Development and Stability	Economic and Environmental Sustainability	Granting	The Business Enhancement Grant Program, administered by the Working Lands Enterprise Initiative, provides funding opportunities for a wide range of businesses or entities that produce or use Vermont-based farm and forest products. Grant awards through this program may support market development, research and development, infrastructure development, and workforce training
Ag Environmental Management Program	Agriculture, Food & Markets, Agency of (AAFM)	Agriculture and Food Systems, Water Resources and Quality	Economic and Environmental Sustainability, Nature-Based Solutions	Granting	The AEM Program or 'farm retirement program' is established to provide farms of Vermont with state financial assistance to alternatively manage their farmstead, cropland, and pasture in a manner that will address identified water quality concerns that, traditionally, would have been wholly or partially addressed through federal, state, and landowner investments in BMP infrastructure, in
911 GIS Data	Enhanced 911 (E911)	Early Warning Systems	Early Warning Systems and Fast, Effective Response	Tool/Data	The 911 Board maintains an authoritative GIS dataset to include e911 address points, road centerlines, building footprints, driveways and multiple other data points for the purpose of 911 call-taking and emergency response. This data is shared publicly through the Vermont Open Geodata Portal for anyone to consume.
Adult Services Division (ASD) within DAIL	Disabilities, Aging and Independent Living, Dept. of (DAIL)	Early Warning Systems	Early Warning Systems and Fast, Effective Response	Operations	In ASD, we coordinate with the VDH climate team (Jared Ulmer), which sends us alerts such as when there will be extreme heat – and we disseminate to our provider networks (i.e., Area Agencies on Aging) to ensure they are checking on clients who might be particularly vulnerable to heat illness. Also, within our programs (Choices for Care and Older Americans Act), funding may be used for an air conditioner for those vulnerable to heat illness. The case manager assesses this on a case-by-case basis.
Heat safety outreach & response	Health, Dept. of (VDH)	Early Warning Systems	Early Warning Systems and Fast, Effective Response	Technical Assistance	Provides heat safety guidance in multiple languages, the Vermont Cooling Sites map, and heat safety public outreach.
Land Mobile Radio System deployment support	Public Service, Dept. of (PSD)	Early Warning Systems	Early Warning Systems and Fast, Effective Response	Technical Assistance	Support the Department of Public Safety in determining the desired location of towns for the LMRS that gives access to FirstNet, a high-speed nationwide broadband network dedicated to public safety. PSD supports the Department of Public Safety in selecting locations for towns based on a set of criteria
Partnership with Vermont Emergency Management for Public Notification Purposes	Enhanced 911 (E911)	Early Warning Systems	Early Warning Systems and Fast, Effective Response	Tool/Data	The Enhanced 911 Board provides Vermont Emergency Management (upon request) with certain customer telephone numbers to support notifications issued by VEM to the public.

VT Alert	Emergency Management, Vermont (DPS)	Early Warning Systems	Early Warning Systems and Fast, Effective Response	Tool/Data	VT-ALERT is used by the state and local responders to notify the public of emergency situations. Those include, but are not limited to, evacuation information; chemical spills; shelter-in-place alerts; severe weather advisories; boil water advisories, and roadway interruptions. Residents can tailor the alerts to specific locations, types of alerts and on which devices they will be notified.
10% in Vermont credit facilities	Treasurer's Office (Vermont State Treasurer Mike Pieciak)	Economic Development and Stability	Economic and Environmental Sustainability	Loan	The Treasurer has extended credit (via the Vermont Bond Bank) to municipalities damaged by flood. State Treasurer Mike Pieciak stood with state and local leaders to announce a substantial expansion of the "10% in Vermont" local investment program. The program authorizes the Treasurer to invest up to 10% of the State's average daily cash balance for economic development in Vermont. The State's average daily cash balance has grown substantially in recent years due to increased state revenues al
ARPA Village Water Wastewater	Environmental Conservation, Dept. of (DEC)	Economic Development and Stability	Economic and Environmental Sustainability	Granting	Villages form the heart of Vermont's rural communities, yet more than 200 villages lack community wastewater disposal systems, hampering revitalization. More than 100 of Vermont's villages do not have a public municipal water system. This can limit the community's ability to support quality childcare and other businesses. In addition, municipal water systems can help address local drinking and surface water quality issues and prevent homeowners and businesses from the financial burden of addressing these issues individually. While many communities have explored municipal water and wastewater solutions, most do not proceed with the projects due to inability to charge affordable user rates that cover the cost of the project. Over the long term, the types of water and wastewater systems proposed provide economic growth and stability for the residents of these towns, but the financial challenges lie in the initial costs associated with installing
BEGAP: Business Emergency Gap Assistance Program	Economic Development, Dept. of (DED)	Economic Development and Stability	Economic and Environmental Sustainability	Granting	BEGAP, Business Emergency Gap Assistance Program provides grant funds to businesses that withstood physical damages from the floods of 2023 and 2024.
Clean Water Workforce Capacity Development Initiative	Environmental Conservation, Dept. of (DEC)	Economic Development and Stability	Economic and Environmental Sustainability		Organizational capacity and training needs for partners to ensure a strong partnership network to deliver high quality and high priority clean water projects. Also, may support flood recovery including community assistance and project repair
Climate Ready Workforce Initiative	Labor, Dept. of (VDOL)	Economic Development and Stability	Economic and Environmental Sustainability	Education, Outreach, Technical Assistance	The U.S. Climate Alliance, established in 2017, will build on governors' longstanding leadership and catalyze further progress by launching the Governors' Climate-Ready Workforce Initiative, aimed at accelerating the development of a diverse, equitable, and inclusive climate-ready workforce and expanding career pathways for new and existing workers into the good-paying jobs that will be created as the United States advances its climate goals and works toward a just economic and energy transition.
Farm First	Agriculture, Food & Markets, Agency of (AAFM)	Economic Development and Stability	Economic and Environmental Sustainability	Education, Outreach	Farm First is a public, not-for-profit program jointly sponsored by the Vermont Agency of Agriculture and the Vermont Agency of Human Services Invest EAP Centers for Wellbeing. Our staff includes friendly and caring licensed counselors and an agricultural resource navigator, all with an interest or experience in agriculture. We can assist you remotely through video-conferencing and in person - oftentimes right at your farm.
Farm to School and Early Childhood Capacity Building Grant	Agriculture, Food & Markets, Agency of (AAFM)	Economic Development and Stability	Economic and Environmental Sustainability	Granting	This grant aims to help schools and early childhood education (ECE) organizations develop programs that will sustain relationships with local farmers and producers, enrich students' educational experience, improve the health of Vermont children, and enhance Vermont's agricultural economy. This is a competitive grant program that is offered annually. Schools and ECE providers can best achieve these goals by taking a holistic approach and incorporating the three Cs of farm-to-school: Cafeteria (food program), Classroom, and Community. Together, the three Cs support healthy children, healthy agriculture, and
Farm to School and Early Childhood Vision Grant	Agriculture, Food & Markets, Agency of (AAFM)	Economic Development and Stability	Economic and Environmental Sustainability	Granting	Farm to school is a broad term. It describes a variety of efforts aimed at educating and engaging children and young adults on the connections that exist between agriculture, nutrition, community, and health. This competitive funding opportunity is designed to support projects that engage youth in exploring those connections. We are seeking proposals that address specific challenges related to the interconnections between agriculture, nutrition, community, and health.
Registered Apprenticeship Training	Labor, Dept. of (VDOL)	Economic Development and Stability	Economic and Environmental Sustainability	Education, Operations	Registered Apprenticeship is an employer's own program, to train individuals in a certain occupation (e.g. electrician). The program and apprentices are registered by VDOL.

Vermont Farm & Forest Viability Program (including VT Farm & Forest Viability Program Policy)	Housing and Conservation Board (VHCB)	Economic Development and Stability	Economic and Environmental Sustainability	Technical Assistance	The Vermont Farm and Forest Viability Program aims to bolster the economic sustainability of Vermont's farms and forestry enterprises by providing business planning, technical services, and other forms of assistance. By enhancing the viability of these enterprises, the Program supports the broader goal of preserving agricultural and forest land in the state.
Vermont Organic Dairy Relief Program	Agriculture, Food & Markets, Agency of (AAFM)	Economic Development and Stability	Economic and Environmental Sustainability	Granting	In 2023, the Vermont State Legislature passed H.494, providing $6.9 million in relief funding to the organic dairy sector. The Vermont Organic Dairy Relief Program is designed to give assistance to farmers weathering extreme market challenges associated with organic dairy farming, including high feed and input costs. Eligible dairy farmers who apply will receive a single payment of $5 per hundredweight of organic milk produced in 2022.
VHCB Rural Economic Development Initiative	Housing and Conservation Board (VHCB)	Economic Development and Stability	Economic and Environmental Sustainability	Technical Assistance	The REDI program supports projects that enhance community-based economic development, outdoor recreation, and sustainable working lands, particularly in smaller municipalities. By providing technical assistance and funding resources, REDI helps communities implement projects that bolster local economies while addressing environmental sustainability and resilience challenges.
WLEI - ARPA-Funded Primary Producer Impact Grant Working Lands Enterprise Initiative	Agriculture, Food & Markets, Agency of (AAFM)	Economic Development and Stability	Economic and Environmental Sustainability	Granting	The Working Lands Enterprise Initiative ARPA-Funded Primary Producer Grant aims to direct American Rescue Plan Act funds toward primary producers whose operations experienced negative economic impact due to the COVID-19 pandemic. The funds may be used for projects related to market development, research and development, infrastructure development, and workforce training and development.
WLEI - Small Farm Diversification & Transition Grant	Agriculture, Food & Markets, Agency of (AAFM)	Economic Development and Stability	Economic and Environmental Sustainability	Granting	The Working Lands Enterprise Initiative's Small Farm Diversification and Transition Grant aims to support small farms by providing funds for diversifying their farming and farm-business operations or transitioning to new or different farming models. This is a new grant for FY2024; review the Working Lands Enterprise Initiative website for the most up-to-date information.
Vermont Outdoor Recreation Economic Collaborative (VOREC)	Forests, Parks and Recreation, Dept. of (FPR)	Economic Development and Stability	Economic and Environmental Sustainability, Nature-Based Solutions	Granting, Technical Assistance	VOREC is a collective impact network of public / private partners organized by the state to sustain, grow and drive sustainable development in Vermont's outdoor recreation sector by leveraging natural outdoor recreation assets, brand and culture. VOREC uses a collective impact framework to support a multi-sector approach to addressing complex social and economic issues. Check out more information on our website: https://fpr.vermont.gov/VOREC
VOREC Community Grant Program	Forests, Parks and Recreation, Dept. of (FPR)	Economic Development and Stability	Economic and Environmental Sustainability, Nature-Based Solutions	Granting	The VOREC Community Grant Program is intended to fund community projects that leverage outdoor recreation, which VOREC defines as leisure, sport and therapeutic recreation activities pursued outdoors, mainly in a natural setting.
AOT Incident Management System	Transportation, Agency of (AOT)	Emergency Preparedness, Response, and Recovery	Early Warning Systems and Fast, Effective Response	Operations	
Citizens Assistance Registry for Emergencies (CARE)	Enhanced 911 (E911)	Emergency Preparedness, Response, and Recovery	Early Warning Systems and Fast, Effective Response	Tool/Data	The CARE program was created to help emergency responders identify Vermonters who might need additional assistance during a large-scale event.
Direct Discharge POTW operation, management and emergency response plan requirements	Environmental Conservation, Dept. of (DEC)	Emergency Preparedness, Response, and Recovery	Early Warning Systems and Fast, Effective Response	Enforcement	All POTWs must have documentation of details on how the facility is operated and maintained, and to have response plans for common emergencies documented. These emergencies may include climate-change related impacts such as flooding.
Direct Discharge Publicly-Owned Treatment Works (POTW) emergency power failure plan requirements	Environmental Conservation, Dept. of (DEC)	Emergency Preparedness, Response, and Recovery	Early Warning Systems and Fast, Effective Response	Enforcement	POTWs are required to have back-up power in the event of an outage to ensure there will not be overflows at pump stations or untreated/undisinfected discharges, and a plan is required to prioritize actions in the event of an extended power outage
Emergency Management Performance Grants (EMPG)	Emergency Management, Vermont (DPS)	Emergency Preparedness, Response, and Recovery	Early Warning Systems and Fast, Effective Response	Granting	The purpose of Emergency Management Performance Grants is to assist state and local governments in enhancing and sustaining all-hazards emergency management capabilities. The Federal Emergency Management Agency provides funding to local jurisdictions through the states. VEM subgrants some EMPG funds with the 11 Regional Planning Commissions across the state.
Emergency Preparedness Program	Health, Dept. of (VDH)	Emergency Preparedness, Response, and Recovery	Early Warning Systems and Fast, Effective Response	Operations	The Emergency Preparedness program prepares health department staff and organizes the Health Departments response to various types of emergencies that can impact the health of our population.

Emergency Procurement and Contracting	Transportation, Agency of (AOT)	Emergency Preparedness, Response, and Recovery	Early Warning Systems and Fast, Effective Response	Operations	When a natural disaster, accident, or unexpected failure of an infrastructure asset(s) occur, an Emergency Determination is drated and signed by the Secretary of Transportation. A single ER determination can encompass many activities and locations in a large-scale event. Often the best means of getting the work done expeditiously is to use an existing contract, more specifically VTrans retainer contract, Indefinite Delivery/Indefinite Quantity (IDIQ), a service retainer contractor, or similar State-wide Contract. The IDIQ Program includes 70+/- Contractors covering 13 Scopes of Work for both our Highway & Maintenance Divisions as well as our Rail & Aviation Bureau, VTrans utilizes the IDIQ program for both planned maintenance projects that go through a competitive bidding process as well as for Emergency Contracting.
Infectious Disease Outbreak Prevention - Emergency Shelters	Health, Dept. of (VDH)	Emergency Preparedness, Response, and Recovery	Early Warning Systems and Fast, Effective Response	Technical Assistance	If emergency shelters are opened in the aftermath of a climate event like flooding, fire, snow, etc., our Epidemiology team is often tapped to conduct an "ICAR" Infection Control Assessment of the shelter space to help control infectious disease spread within the facility.
Infectious Disease Surveillance Following Flooding Event	Health, Dept. of (VDH)	Emergency Preparedness, Response, and Recovery	Early Warning Systems and Fast, Effective Response	Technical Assistance	Our epidemiologists monitor hospital surveillance data in the days and weeks following a flood to monitor increased levels of infectious disease associated with contaminated drinking water, food-borne illness, etc.
Local Emergency Management Plan	Emergency Management, Vermont (DPS)	Emergency Preparedness, Response, and Recovery	Early Warning Systems and Fast, Effective Response	Plan	Cities & Towns required to update plan annually which meets minimum requirements last updated in 2019, including identifying incident coordination, resources, and vulnerabilities. Support and plan approval provided by VEM.
Public Information	Emergency Management, Vermont (DPS)	Emergency Preparedness, Response, and Recovery	Early Warning Systems and Fast, Effective Response	Education	Public outreach ahead of natural disasters
Regional Emergency Management Committees	Emergency Management, Vermont (DPS)	Emergency Preparedness, Response, and Recovery	Early Warning Systems and Fast, Effective Response	Education, Outreach	Regional committees established regionally to discuss and prepare for emergencies.
Spatial Analysis Lab Emergency Response Drone Mapping	Geographic Information, Vermont Center for (VCGI)	Emergency Preparedness, Response, and Recovery	Early Warning Systems and Fast, Effective Response	Tool/Data	Through a partnership with the Spatial Analysis Lab at UVM, VCGI and the SAL mapped flood damage using drones following the July 2023 and July 2024 flooding. Resource was tasked and deployed through the SEOC, and supported rapid assessment of damage for local, state, and federal officials.
State Emergency Management Plan	Emergency Management, Vermont (DPS)	Emergency Preparedness, Response, and Recovery	Early Warning Systems and Fast, Effective Response	Plan	The plan addresses Vermont's hazard and threat environment, including natural, technological, and human-caused emergencies or disasters. The SEMP forms the basis of the State of Vermont emergency management system, which includes the collaboration of all state agencies and departments that have operational responsibilities and capabilities across five mission areas—Prevention, Protection, Mitigation, Response, and Recovery. The SEMP assigns functional responsibilities to state agencies, departments, and organizations to provide coordinated guidance, relief, and assistance to the local jurisdictions and people of Vermont before, during, and after disasters. The SEMP is revised on a five-year rotational schedule by Vermont Emergency Management.
Urban Search and Rescue (USAR) - Swift Water Rescue/Evacuations	Fire Safety, Division of (DPS)	Emergency Preparedness, Response, and Recovery	Early Warning Systems and Fast, Effective Response	Operations	The USAR Team consists of 1 full-time manager and 90 temp USAR Technicians. The team responds to both local and widespread flooding events to assist with evacuations and rescues. The focus is saving lives during flooding events however the team is very diversified and offers structural hazard mitigation, trench rescue and has assisted with body recovery and other support functions requiring a unique skill set.
VDH - OLH - Public Health Emergency Preparedness Program	Health, Dept. of (VDH)	Emergency Preparedness, Response, and Recovery	Early Warning Systems and Fast, Effective Response	Operations	We utilize the Medical Reserve Corps to staff cooling shelters. These are locations that people can go to and get out of the heat, charge their phones, etc.
Disaster Dislocated Worker Program	Labor, Dept. of (VDOL)	Emergency Preparedness, Response, and Recovery	Early Warning Systems and Fast, Effective Response, Economic and Environmental Sustainability	Granting	A Disaster Dislocated Worker Grant (DWG) is a discretionary grant from the Secretary of Labor that provides funding to create temporary jobs to help with disaster recovery and clean-up. DWGs can also provide training services and humanitarian aid.
Conduct rapid building inspections in response to floods.	Fire Safety, Division of (DPS)	Emergency Preparedness, Response, and Recovery	Early Warning Systems and Fast, Effective Ressonse, Infrastructure Design and Reinforcement	Education, Enforcement, Outreach, Technical Assistance	Inspections are conducted to identify and report to the SEOC the status of damage. Unsafe buildings are posted with signs reflecting the risk to the occupants from a safety perspective. The objective is to educate and make building owners aware of the hazards to prevent fatalities and injuries.

2024 10-Year Telecommunications Plan	Public Service, Dept. of (PSD)	Energy Delivery and Telecommunications Resilience	Infrastructure Design and Reinforcement	Plan	This Plan, created in accordance with 30 V.S.A.§ 202c1 and 30 V.S.A.§202d, 2 provides actionable recommendations for public sector leaders to work toward Vermont's statutory telecommunications goals.
Act 174 Enhanced Energy Plans	Public Service, Dept. of (PSD)	Energy Delivery and Telecommunications Resilience	Infrastructure Design and Reinforcement	Plan	Act 174 created a framework for Vermont's Regional Planning Commissions and municipalities to create enhanced energy plans that look across thermal, transportation, & electric consumption, plan for siting generation to meet some amount of that demand, and - if the plans meet standards developed by the PSD - receive "substantial deference" rather than "due consideration" from the PUC in its generation siting proceedings.
ARPA Energy Storage Access Program	Public Service, Dept. of (PSD)	Energy Delivery and Telecommunications Resilience	Infrastructure Design and Reinforcement	Granting	The program provides battery electric storage systems to low- and moderate-income households to improve their resilience and to lower costs for all utility ratepayers through improved grid flexibility. Storage systems are also provided to municipal buildings to Improve public safety and shelter resiliency. In addition, the program supports municipal and cooperative utilities acquire software platforms to manage energy storage and flexible loads, therby lowering utility costs and better integrating renewable
BIL Provision 40101 - Preventing Outages and Enhancing the Resilience of the Electric Grid / Hazard Hardening	Public Service, Dept. of (PSD)	Energy Delivery and Telecommunications Resilience	Infrastructure Design and Reinforcement	Granting	Funding will be directed to investments in key electric grid infrastructure improvements that will demonstrate their resilience and reduce the frequency and duration of electricity outages.
Comprehensive Energy Plan	Public Service, Dept. of (PSD)	Energy Delivery and Telecommunications Resilience	Infrastructure Design and Reinforcement	Plan	The Comprehensive Energy Plan (CEP) is required by statute to be updated every six years. It provides a comprehensive analysis and projections regarding the use, cost, supply, and environmental effects of all energy resources used in Vermont. Last published in 2022, it includes a discussion of grid resilience.
Efficiency and Resilience Support Across Fleet/Structures/Grounds	Buildings and General Services, Dept. of (BGS)	Energy Delivery and Telecommunications Resilience	Infrastructure Design and Reinforcement	Operations	BGS supports energy efficiency and resilience work throughout its ongoing fleet, design & construction, and maintenance operations. This includes, but is not limited to, procurement of battery electric vehicles, plug-in hybrid electric vehicles, and hybrid vehicles, EVSE site planning, updating design guidelines and major maintenance project planning to account for efficiency and resilience opportunities including renewable energy deployment, installing premium efficient motors when old motors fail, installing Heat Pump water heaters, installing Heat Pump split unit AC systems to eliminate window type units, installing high efficiency pumps, installing LED lighting wherever possible and practical, assisting with programming our buildings DDC systems to be the most efficient they can be, assisting with re-commissioning systems, assisting with Flexible Load Management for several buildings, replacing older inefficient state supplied appliances(microwaves, refrigerators, window AC units, etc.) when we can. Keeping up with PM work orders to keep systems running at their best.
Electric Upgrades/Switch & Save	Public Service, Dept. of (PSD)	Energy Delivery and Telecommunications Resilience	Infrastructure Design and Reinforcement	Incentive	Electrical system upgrades will be provided to low- and moderate-income households (up to 120% of AMI) upon installing or replacing electrical devices. Customers with preexisting equipment may also qualify if electrical panel upgrades improve safety or service reliability for the household or the distribution utility. Households may also be eligible for panel upgrades if it's determined that they will need an upgrade sometime in the future to accommodate additional electrification (i.e., future-proofing is allowed).
Integrated Resource Plans	Public Service, Dept. of (PSD)	Energy Delivery and Telecommunications Resilience	Infrastructure Design and Reinforcement	Plan	Vermont's 18 distribution utilities are each required to update their Integrated Resource Plans every 3 years. The plans consider integrated utility actions around load (including electrification), power supply (including renewables), transmission & distribution (including resilience), and innovation. The Department provides guidance for and reviews these plans, which are approved by the Public Utility Commission.
Municipal Energy Resilience Program (MERP)	Buildings and General Services, Dept. of (BGS)	Energy Delivery and Telecommunications Resilience	Infrastructure Design and Reinforcement	Granting, Technical Assistance	The Municipal Energy Resilience Program was created to connect municipalities with regional and state technical resources and promote increased resilience and connection with critical services for Vermonters.
State Energy Management Program (SEMP)	Buildings and General Services, Dept. of (BGS)	Energy Delivery and Telecommunications Resilience	Infrastructure Design and Reinforcement	Conservation, Loan	The State Energy Management Program is designed to track energy use at state facilities, conduct assessments for implementation of energy conservation measures, and install those measures to generate energy and cost savings across state facilities. The program also serves to assist partner agencies with energy conservation support.

State Energy Security Plan	Public Service, Dept. of (PSD)	Energy Delivery and Telecommunications Resilience	Infrastructure Design and Reinforcement	Plan	The State Energy Security Plan describes the goals of the State regarding the avoidance or reduction of energy disruptions, mitigating the number and severity of impacts, and reducing the time required to return to "normal" energy supply conditions. It is submitted periodically to the Department of Energy.
State Owned Facilities Inventory	Buildings and General Services, Dept. of (BGS)	Energy Delivery and Telecommunications Resilience	Infrastructure Design and Reinforcement	Tool/Data	Thorough assessment of flood-vulnerable (inundation flooding & fluvial erosion) state-owned and leased buildings, which also identifies mitigation options for the priority buildings identified by a committee. Data currently under development. Inventory developed as a part of the 2018 SHMP.
Technical Assistance to municipalities to connect with service providers	Public Service, Dept. of (PSD)	Energy Delivery and Telecommunications Resilience	Infrastructure Design and Reinforcement	Technical Assistance	Act as "match-making" support to smaller municipalities who are struggling to get telecommunications service provides to work with them. PSD supports connecting smaller service providers with municipalities and working through problems to expand telecommunications service to more rural parts of Vermont.
State Energy Revolving Fund (SERF)	Treasurer's Office (Vermont State Treasurer Mike Pieciak)	Energy Delivery and Telecommunications Resilience	Infrastructure Design and Reinforcement, Economic and Environmental Sustainability	Loan	Lending facility for clean-energy upgrades to state buildings
State PACE Reserve Funds	Treasurer's Office (Vermont State Treasurer Mike Pieciak)	Energy Delivery and Telecommunications Resilience	Infrastructure Design and Reinforcement, Economic and Environmental Sustainability	Granting	Can expend funds to pay certain claims incurred by a Property-Assessed Clean Energy District
Weatherization Repayment Assistance Program (WRAP)	Housing Finance Agency, Vermont (VHFA)	Energy Delivery and Telecommunications Resilience	Infrastructure Design and Reinforcement, Economic and Environmental Sustainability	Granting, Loan	WRAP is a state-funded on-bill program assists primarily moderate income households in financing comprehensive home weatherization projects and heating equipment on their gas or electric utility bill.
Community Resilience and Disaster Mitigation Grant Program	Emergency Management, Vermont (DPS)	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response	Granting	Grant funding for climate adaptation to fill gaps in available FEMA funding
Community Wildfire Defense Grants	Forests, Parks and Recreation, Dept. of (FPR)	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response	Granting	The Community Wildfire Defense Grants (CWDG) are intended to help at-risk local communities with planning and mitigating against the threat of wildfire near homes and structures. The grants are funded through the Bipartisan Infrastructure Law and last for five years. There are two primary project types for which the grant provides funding: The development and revision of Community Wildfire Protection Plans. The implementation of projects described in a Community Wildfire Protection Plan that is less than ten years old. Communities in an area identified as having high or very high wildfire hazard potential, are low income, and/or have been impacted by a
Community Wildfire Protection Plan	Forests, Parks and Recreation, Dept. of (FPR)	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response	Plan	Community Wildfire Protection Plans (CWPP) are a public planning process and document that create a roadmap for their community to become adapted to living with wildfires, and to be more resilient if a wildfire affects their community. They have an action plan that identifies the most important projects for residents and professionals to accomplish to reduce wildfire risk.
Emergency Management Performance Grant (FEMA via VEM)	Environmental Conservation, Dept. of (DEC)	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response	Tool/Data	Landslide susceptibility mapping/modeling for the Eastern physiographic provinces of Vermont
Emergency Relief and Assistance Fund (ERAF)	Emergency Management, Vermont (DPS)	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response	Incentive	State funding to match Federal Public Assistance after declared disasters. Incentivizes municipalities to take specific steps to reduce flood damage to receive an increased State share. Eligible public costs are reimbursed by federal taxpayers at 75%. For disasters after October 23, 2014, the State of Vermont will contribute an additional 7.5% toward the costs. For communities that take specific steps to reduce flood damage, the State will
FEMA - Community Rating System (CRS)	Environmental Conservation, Dept. of (DEC)	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response	Incentive	Voluntary incentive program that encourages community floodplain management activities that exceed the minimum NFIP requirements.

Flood Hazard Area & River Corridor Protection Procedure	Environmental Conservation, Dept. of (DEC)	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response	Enforcement	Informs ANR's floodway determinations and regulatory recommendations under Criterion 1D Floodways. Consistent with FHARC Rule, employs the same set of No Adverse Impact standards in consideration flood inundation and erosion hazards.
Flood Hazard Area & River Corridor Rule	Environmental Conservation, Dept. of (DEC)	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response	Enforcement	Regulates activities exempt from municipal regulation; state buildings and facilities, Section 248/PUC power generation/transmission, Required Agricultural Practices. Employs set of No Adverse Impact standard in consideration flood inundation and erosion hazards
Flood Ready Vermont Website	Environmental Conservation, Dept. of (DEC)	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response	Education, Outreach, Technical Assistance	Provides planning tools and information geared at municipal officials
Flood Training Vermont Website	Environmental Conservation, Dept. of (DEC)	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response	Education, Technical Assistance	Provides training and case study information geared at local administrative officers
Geological Survey - Building Resilient Infrastructure and Communities (BRIC)	Environmental Conservation, Dept. of (DEC)	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response	Tool/Data	Landslide susceptibility mapping/modeling for the remainder of the state (PROPOSED)
HUD - Community Development Block Grant - Disaster Relief	Housing and Community Development, Dept. of (DHCD)	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response	Granting	Flexible grants available following a disaster to help cities, counties, and States recover from declared disasters. Funding can be used as local match for FEMA grants.
Landslide Evaluations	Environmental Conservation, Dept. of (DEC)	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response	Tool/Data	Landslide hazard evaluations on a parcel-by-parcel basis. We have done this for VEM for many years, but the volume increased substantially in the past year with intense storms.
Local Hazard Mitigation Plans	Emergency Management, Vermont (DPS)	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response	Plan, Technical Assistance	Hazard mitigation planning will enable local governments to better protect lives, property, and natural systems. The purpose of mitigation planning is to identify policies and actions that can be implemented over the long term to reduce risk and future losses. Local Hazard Mitigation Plans (LHMP) form the foundation for a community's long-term strategy to reduce disaster losses and break the cycle of disaster damage, reconstruction, and repeated damage. Local governments must have a FEMA-approved LHMP to receive federal funds from the FEMA Hazard Mitigation Grant Program (HMGP) and Building Resilient Infrastructure and Communities (BRIC) programs. The LHMP is also one of the mitigation actions needed to qualify for additional post-disaster funding through the Emergency Relief and Assistance Fund (ERAF). The LHMP needs to
Municipal Climate Change Vulnerability Indicator Tool (MVI)	Natural Resources, Agency of (ANR)	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response	Tool/Data	The Municipal Vulnerability Indicators Tool (MVI) is a mapping tool to help municipalities understand their vulnerabilities to climate change across several social, economic, and environmental factors.
Municipal Climate Toolkit	Natural Resources, Agency of (ANR)	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response	Technical Assistance, Tool/Data	The intent of the Municipal Climate Toolkit is to provide a hub for existing tools, resources, and information, relevant for designing and implementation climate action measures or strategies at a municipal level. The Toolkit is still under development but is expected to be complete in 2025
Municipal Flood Hazard Permit Review	Environmental Conservation, Dept. of (DEC)	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response	Enforcement	Technical Review and written comment on municipal flood hazard development permit applications. Ensures towns are meeting their adopted standards and meeting National Flood Insurance Program requirements
Pre-Disaster Mitigation (Congressionally directed spending)	Emergency Management, Vermont (DPS)	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response	Granting	Annual based on congressional approriations
Regional & municipal heat preparedness support	Health, Dept. of (VDH)	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response	Technical Assistance	Provides training, funding, and guidance for Regional Planning Commissions and Local Health Offices to collaborate with their municipal partners to develop hot weather emergency response plans
Standard River Management Principles and Practices	Environmental Conservation, Dept. of (DEC)	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response	Enforcement	The methods promoted by the River Management Program include the best principles and practices to maximize public safety and infrastructure protection while minimizing habitat impacts, maintaining water quality, mitigating future hazards, and controlling the cost of flood recovery activities. Compliments Stream Alteration Rule

State Hazard Mitigation Plan	Emergency Management, Vermont (DPS)	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response	Plan	Vermont's State Hazard Mitigation Plan (SHMP or Plan) identifies natural hazards that affect Vermont, assesses risk and vulnerability to these hazards, and identifies top-priority mitigation actions at the State level to remove vulnerability and create a more resilient Vermont. The Plan must be updated and submitted by Vermont Emergency Management (VEM) to the Federal Emergency Management Agency (FEMA) for approval every five years. Updating the Plan is required in order for Vermont to remain eligible to receive FEMA funding before and following disasters. The Plan was last updated and FEMA-approved in November 2023 and will be effective until November 2028.
Structured Service Learning Class	Emergency Management, Vermont (DPS)	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response	Education, Outreach, Technical Assistance	Partnership with Middlebury College and other local universities on specific semester-long projects. Previous learning opportunities yielded a project on reviewing other state SHMP sections on high-hazard dams, created outreach materials for the DEC Dam Safety Office, and developed a community/stakeholder engagement guide for Local Hazard Mitigation Plans.
Vermont Model Municipal Flood Hazard Bylaws	Environmental Conservation, Dept. of (DEC)	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response	Technical Assistance	DEC provides ongoing technical assistance to municipalities and regional planning commission encouraging adoption the states higher standards. Similar to the state rule, the model bylaws employs set of No Adverse Impact standards in consideration flood inundation and erosion hazards.
Wildland Fire	Forests, Parks and Recreation, Dept. of (FPR)	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response	Operations, Plan, Technical Assistance, Tool/Data	Work with partners to support organizational viability and capacity in assisting Vermont communities with preventing, responding, and mitigating wildland fires and other emergency responses.
Statewide Individual Assistance Plan, including Long Term Recovery Groups	Human Services, Agency of (AHS)	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response, Community-Centric Approach	Plan, Technical Assistance	The creation of a statewide individual assistance plan to include support of Long Term Recovery Groups.
DFR Climate Mitigation and Resilience Efforts	Financial Regulation, Dept. of (DFR)	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response, Economic and Environmental Sustainability	Operations, Policy	Numerous related efforts to understand climate change impacts and their relationship to insurance.
Recovery Strategy Implementation Plan	Governor Phil Scott	Future Risk Mitigation	Early Warning Systems and Fast, Effective Response, Economic and Environmental Sustainability, Community-Centric Approach, Infrastructure Design and Reinforcement	Plan	This plan outlines jointly identified and coordinated long-term recovery strategies, projects, and milestones to support the recovery of the State of Vermont and its people from the sever storms, heavy rainfall, widespread landslides and mudslides experienced due to two rounds of sever weather between July 7 and July 11, 2023.
Building Resilient Infrastructure and Communities (BRIC)	Emergency Management, Vermont (DPS)	Future Risk Mitigation, Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Early Warning Systems and Fast, Effective Response	Granting	Building Resilient Infrastructure and Communities (BRIC) provides annual funds for hazard mitigation planning and projects. This nationally competitive fund can support larger projects.
FEMA NFIP - Increased Cost of Compliance	Environmental Conservation, Dept. of (DEC)	Future Risk Mitigation, Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Early Warning Systems and Fast, Effective Response	Granting	Following a flood, a damaged home or business may be required to meet certain building requirements to reduce future flood damage before you repair or rebuild. The ICC is available to cover the costs of meeting those requirements for policyholders. Eligible projects include elevation, relocation, demolition, or floodproofing.

Flood Mitigation Assistance (FMA)	Emergency Management, Vermont (DPS)	Future Risk Mitigation, Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Early Warning Systems and Fast, Effective Response	Granting	Flood Mitigation Assistance (FMA) provides funds for projects to reduce or eliminate the risk of flood damage to buildings that are insured under the National Flood Insurance Program (NFIP). This fund has been under-used in Vermont but may be particularly helpful now that FEMA has waived the need for a Benefit-Cost Analysis for many elevation or acquisition projects.
Flood Resilient Communities Fund (FRCF)	Emergency Management, Vermont (DPS)	Future Risk Mitigation, Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Early Warning Systems and Fast, Effective Response	Granting	The Vermont Legislature established the Flood Resilient Communities Fund (FRCF) under Act 74 to improve landscape and community resilience and reduce the future public safety and water quality impacts of climate-related flood hazards in Vermont. The fund focuses on buyouts of flood-vulnerable properties that are not eligible for FEMA funding. This voluntary program prioritizes projects in communities and/or for homeowners with the greatest economic need and projects that mitigate repetitive loss among low-income and marginalized populations.
Hazard Mitigation Grant Program (HMGP)	Emergency Management, Vermont (DPS)	Future Risk Mitigation, Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Early Warning Systems and Fast, Effective Response	Granting	The Hazard Mitigation Grant Program (HMGP) assists in implementing long-term hazard mitigation measures following a major disaster. This program is administered by the Vermont Emergency Management (VEM) Hazard Mitigation Program. VEM has information about HMGP funding opportunities, deadlines, training, and resources. Typically this funding is available to eligible projects across the state. While the money only follows after a disaster it is the most accessible funding for most purposes. This program can also fund the preparation of a Local Hazard Mitigation Plan.
Mitigation through the Public Assistance Program	Emergency Management, Vermont (DPS)	Future Risk Mitigation, Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Early Warning Systems and Fast, Effective Response	Granting	406 funding provides discretionary authority to fund mitigation measures in conjunction with the repair of disaster-damaged facilities.
Mobile Home Park Risk Assessment Tool	Housing and Community Development, Dept. of (DHCD)	Future Risk Mitigation, Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Early Warning Systems and Fast, Effective Response	Tool/Data	Excel spreadsheet containing flood hazard information, water and wastewater systems and state permits, and lot rent and vacancy changes for mobile home parks.
Public Assistance	Emergency Management, Vermont (DPS)	Future Risk Mitigation, Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Early Warning Systems and Fast, Effective Response	Granting	The FEMA Public Assistance (PA) Program provides federal disaster assistance to state and local government organizations for debris removal, emergency protective measures, and the permanent restoration or replacement of public facilities owned and operated by an eligible Applicant. Assistance may also be provided to certain private non-profit organizations that provide services of a governmental nature open to all members of the community. The Vermont Emergency Management Division of Public Safety (VEM) administers the Public Assistance Program as the state's grantee. Eligible organizations are considered subgrantees. The program reimburses subgrantees for at least 75 percent of eligible costs resulting from the disaster.
Swift Current	Emergency Management, Vermont (DPS)	Future Risk Mitigation, Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Early Warning Systems and Fast, Effective Response	Granting	This program focuses on NFIP-insured structures that have had Repetitive Losses or Substantial Damage. The program is released after a federally declared disaster and provides funds for project scoping and implementation. Policyholders may be contacted through VEM or self-identify during post-disaster assessments. The community can also request a list from the NFIP through a Data Sharing Agreement with FEMA Region 1.

US Army Corps of Engineers - Silver Jackets	Emergency Management, Vermont (DPS)	Future Risk Mitigation, Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Early Warning Systems and Fast, Effective Response	Granting	Team of State and Federal partners facilitate collaborative solutions to state flood risk priorities.
2025-2030 State Health Improvement Plan	Health, Dept. of (VDH)	Health and Wellbeing	Community-Centric Approach	Plan	A five-year roadmap (2025-2030) for ensuring that all people and communities in Vermont have inclusive, equitable, and sustainable access to opportunities for health and well-being.
Asthma Friendly Practices Program	Health, Dept. of (VDH)	Health and Wellbeing	Community-Centric Approach	Technical Assistance	
Child Nutrition Program (after school supper and snacks)	Education, Agency of (AOE)	Health and Wellbeing	Community-Centric Approach	Operations	The Child and Adult Care Food Program (CACFP) is a federal program that provides healthy meals and snacks to children and adults receiving supervised care services. The program plays a vital role in improving the quality of care and making it more affordable for many low-income households. In addition to care, CACFP helps make afterschool programs more appealing to at-risk youth. By offering nutritious meals and snacks in programs serving low-income areas, centers can increase participation and know that
Community Resilience Index	Health, Dept. of (VDH)	Health and Wellbeing	Community-Centric Approach	Tool/Data	Municipal-level map of Vermont displaying 11 indicators which represent an aspect of the social conditions that influence people's ability to strengthen community resilience, to be published by end of 2024.
Cooling Capabilities Assessment at critical housing facilities	Health, Dept. of (VDH)	Health and Wellbeing	Community-Centric Approach	Technical Assistance	This project will support an assessment of cooling and backup power capabilities at critical residential facilities in Vermont, including long-term care facilties, homeless shelters, and emergency shelters.
Cyanobacteria Program	Health, Dept. of (VDH)	Health and Wellbeing	Community-Centric Approach	Education, Outreach	Outreach, education, and tracking of cyanobacteria blooms in Vermont, in conjunction with DEC.
Drinking Water Testing Program at Vermont Public Health Laboratory	Health, Dept. of (VDH)	Health and Wellbeing	Community-Centric Approach	Technical Assistance	Our public health laboratory tests thousands of drinking water samples for e.coli, nitrates/nitrites, or VOCs with each major flooding event. Our team also assembles and distributes thousands of drinking water test kits to VT'ers via MARCS or PODs.
Environmental Public Health Tracking - Climate & Health Data	Health, Dept. of (VDH)	Health and Wellbeing	Community-Centric Approach	Tool/Data	Provides access to public health data in maps, charts and tables as a part of VT's continuing effort to help Vermonters better understand the relationship between their environment and their health.
Hazardous air quality preparedness & response	Health, Dept. of (VDH)	Health and Wellbeing	Community-Centric Approach	Technical Assistance	Provides air quality guidance in multiple languages and public outreach, in collaboration with DEC's Air Quality and Climate Division.
Healthy & Energy-Efficient Homes	Health, Dept. of (VDH)	Health and Wellbeing	Community-Centric Approach	Tool/Data	Grant-funded project to assess home environmental health and energy efficiency needs in New American households in the Burlington/Winooski area, then deliver appropriate services in response.
Healthy Homes On-Site	Environmental Conservation, Dept. of (DEC)	Health and Wellbeing	Community-Centric Approach	Granting	HH On-Site provides financial assistance to residential property owners, including owner-occupied multi-family properties with up to four units for the repair or replacement of failing or inadequate on-site water and/or wastewater systems.
Heat preparedness support for community partners	Health, Dept. of (VDH)	Health and Wellbeing	Community-Centric Approach	Technical Assistance	Provides guidance, training, tools, and other support for community partners to be better prepared for dangerous hot weather. Partners include schools & childcares, homeless shelters, caregiving organizations, and occupational safety partners.
Heat Resilience Index	Health, Dept. of (VDH)	Health and Wellbeing	Community-Centric Approach	Tool/Data	Municipal-level map of Vermont displaying heat illness risk factors and adaptation strategies in place. The Heat Vulnerability Index (2016) will be replaced in 2024/2025 with a new Heat Resilience Index.
Infant Formula	Education, Agency of (AOE)	Health and Wellbeing	Community-Centric Approach	Operations	WIC state agencies should provide infant formula for mothers who choose this feeding method, but there are often shortages during major climate events. VEM has had to supplement even though FEMA and USDA have said they could support this.
Infectious Disease Programs (tick, mosquito, water, and food-borne diseases)	Health, Dept. of (VDH)	Health and Wellbeing	Community-Centric Approach	Technical Assistance	primarily focused on outreach, education, disease data surveillance
Mosquito and Tick Surveilling Program	Health, Dept. of (VDH)	Health and Wellbeing	Community-Centric Approach	Tool/Data	

National School Lunch Program	Education, Agency of (AOE)	Health and Wellbeing	Community-Centric Approach	Operations	These programs provide reimbursement for breakfasts and lunches served to students enrolled in twelfth grade and under in public and private, non-profit schools. Reimbursement is provided at three levels: free, reduced-price, and full price (or paid). Families may submit applications to receive free or reduced-price meal benefits. In Vermont, the state pays the household portion of the reduced-price meal. In Vermont, public schools are required to participate in the National School Lunch Program and the School Breakfast Program, unless the school board holds a public discussion and subsequently votes to exempt the district from the requirement.
Pollen Monitoring Dashboard	Health, Dept. of (VDH)	Health and Wellbeing	Community-Centric Approach	Tool/Data	Pollen monitoring data from one manually-collected Vermont station dating back to 2009. Automated pollen data collection is being piloted in 2024.
Private Drinking Water Program	Health, Dept. of (VDH)	Health and Wellbeing	Community-Centric Approach	Education, Outreach, Technical Assistance	The private drinking water program offers technical guidance to homeowners served by private water systems, including water testing recommendations, result interpretation, diagnosing common water system issues, providing health information, and offering treatment and remediation information. The program offers technical assistance to those who have experienced impacts due to flooding and drought over the past 5 years.
Public Health Laboratory	Health, Dept. of (VDH)	Health and Wellbeing	Community-Centric Approach	Technical Assistance	Provides test kits and testing for private drinking water.
SNAP / 3Squares / DNAP	Human Services, Agency of (AHS)	Health and Wellbeing	Community-Centric Approach	Operations	The Supplemental Nutrition Assistance Program (SNAP) is a federal program that provides nutrition benefits to low-income individuals and families. The benefits can be used to purchase food at stores. The USDA Food and Nutrition Service (FNS) administers the program through its nationwide network of FNS field offices. Local FNS field offices are responsible for licensing and monitoring retail food stores participating in SNAP. The Disaster Supplemental Nutrition Assistance Program (D-SNAP) assists low-income households with food losses or damage caused by natural disasters. Before operating D-SNAP in a disaster area, a state must receive an Individual Assistance declaration from the president. The state must then request and receive approval from the USDA's Food and
Social Vulnerability Index	Health, Dept. of (VDH)	Health and Wellbeing	Community-Centric Approach	Tool/Data	Planning tool to evaluate the relative vulnerability of populations in different parts of the State. Data sourced from the American Community Survey (2013, 5 yr)
Starting Over Strong Vermont (SOSVT)	Mental Health, Dept. of (AHS)	Health and Wellbeing	Community-Centric Approach	Outreach	Starting Over Strong VT helps individuals and communities recover from natural and human-caused disasters through community outreach and access to mental health services. The program grants are awarded after a presidential major disaster declaration. SOS-VT is here to provide assistance and education to all Vermonters who live and work in the declared counties: Addison, Caledonia, Chittenden, Essex, Lamoille, Orleans, and Washington.
Tick Tracker	Health, Dept. of (VDH)	Health and Wellbeing	Community-Centric Approach	Tool/Data	helps Vermonters understand how climate change affects the distribution and abundance of Vermont's 13 species of ticks including the 4 that carry pathogens.
United States Geological Survey - Development of a plan to monitor groundwater levels and quality in Vermont aquifers	Environmental Conservation, Dept. of (DEC)	Health and Wellbeing	Community-Centric Approach	Plan	To understand groundwater quantity and quality status and trends in Vermont and to be ready to address important science and policy questions with technically defensible information, a purposefully designed network of wells is needed.
Vermont Drinking Water State Revolving Fund	Environmental Conservation, Dept. of (DEC)	Health and Wellbeing	Community-Centric Approach	Loan	Funding for Vermont's Drinking Water Projects in the form of low interest loans to muncipalities.
Vermont Public Health Risk Assessment	Health, Dept. of (VDH)	Health and Wellbeing	Community-Centric Approach	Plan	Grant requirement for public health emergency grants; based on hazard risk assessment; backbone of VDH training and exercise program.
Voluntary Cyanotoxin Monitoring Program at Public Drinking Water Systems	Environmental Conservation, Dept. of (DEC)	Health and Wellbeing	Community-Centric Approach	Conservation	Voluntary monitoring program for surface water-supplied public drinking water systems to monitoring weekly for cyanotoxins in the water.
Weatherization Assistance Program	Economic Opportunity, Office of (DCF)	Health and Wellbeing	Community-Centric Approach, Economic and Environmental Sustainability	Granting	The Weatherization Program mission is to reduce the energy costs for low-income families thus saving them money, particularly LIHEAP recipients, those living in homes with the highest energy use, the elderly, people with disabilities, and families with children. The Weatherization Program reduces energy costs by improving the energy efficiency and comfort of homes while ensuring health and safety.

Healthy Homes Manufactured Housing Communities	Environmental Conservation, Dept. of (DEC)	Health and Wellbeing	Community-Centric Approach, Infrastructure Design and Reinforcement	Granting	HH MHC funding improves the living conditions for people in manufactured housing communities and help residents follow Vermont's environmental regulations. The funding can be used to complete a needs assessment, receive technical assistance, and cover construction costs necessary to implement water infrastructure solutions (drinking water, wastewater, stormwater, and drainage)
Medical Reserve Corps	Health, Dept. of (VDH)	Health and Wellbeing, Emergency Preparedness, Response, and Recovery	Community-Centric Approach, Early Warning Systems and Fast, Effective Response	Operations	
Private Drinking Water Program	Health, Dept. of (VDH)	Health and Wellbeing, Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Community-Centric Approach, Infrastructure Design and Reinforcement	Technical Assistance	Program provides information online about testing and and maintenance of private drinking water systems. Includes information about what to do if your system gets flooded and what you should do beforehand.
Better Places	Housing and Community Development, Dept. of (DHCD)	Identity and Empowerment	Community-Centric Approach	Granting	Place-based community and economic development program that builds social connectivity and community capacity by activating and revitalizing public spaces.
Climate Action Office Community Engagement Contract	Natural Resources, Agency of (ANR)	Identity and Empowerment	Community-Centric Approach	Outreach	CAO engagement contract work with Consensus Building Institute supports direct engagement (both in person and virtual) with frontline communities and organizations that represent or serve them. This contract supports work such as: Climate Conversations with Linguistically Diverse Community Leaders - connecting communities with State resources related to climate change; and facilitating conversations between Community Action Agency staff (and eventually, clients) and decision-makers or implementors of climate-related policies and programs.
Climate Action Office Monthly e-Newsletter	Natural Resources, Agency of (ANR)	Identity and Empowerment	Community-Centric Approach	Education	Monthly Enewsletter from the Climate Action Office shares climate-related work happening across State government with subscribers.
Cultural Facilities Grants	Arts Council, Vermont	Identity and Empowerment	Community-Centric Approach	Granting	Cultural Facilities Grants help Vermont nonprofit organizations and municipalities enhance, create, or expand the capacity of an existing building to provide cultural activities for the public
Quarterly CAO Community Engagement Reports and Comment Library	Natural Resources, Agency of (ANR)	Identity and Empowerment	Community-Centric Approach	Education, Outreach	Quarterly engagement reports shared with the Interagency Advisory Board to the Climate Action Office, the Environmental Justice Interagency Committee, the Climate Council, and people signed up for the CAO's listserv. These reports summarize the community engagement work conduced through the Climate Action Office's community engagement contract over the last quarter. Through these, and a library where the CAO track's outreach results, comments we hear from Vermonters through on-the-ground engagement can be communicated back to leadership across State
Vermont Arts and Culture Disaster and Resilience Network	Arts Council, Vermont	Identity and Empowerment	Community-Centric Approach	Operations, Technical Assistance	VACDaRN is a partnership of the Vermont Arts Council, the Vermont State Archives and Records Administration, and the Vermont Emergency Management Association. Coordination through this network enables artists as well as arts and heritage organizations to work together to share expertise and resources, mobilize response for mutual assistance during emergencies, and engage collectively with first responders and government emergency management
Culture for Climate Action Workshop Series	Arts Council, Vermont	Identity and Empowerment	Community-Centric Approach, Economic and Environmental Sustainability	Technical Assistance	Culture for Climate Action Vermont was a free virtual workshop series designed by UMass Amherst Arts Extension Service to empower Vermont arts and cultural organizations to develop, fund, and implement creative climate actions that align with their unique organizational mission, values, and priorities.
Environmental Assistance Office	Environmental Conservation, Dept. of (DEC)	Identity and Empowerment	Community-Centric Approach, Nature-Based Solutions, Economic and Environmental Sustainability	Technical Assistance	The Environmental Assistance Office (EAO) helps Vermonters better understand and follow Vermont's environmental laws, rules, regulations, and permits. We offer environmental assistance to Vermont individuals, communities, and municipalities with a special emphasis on supporting underserved and overburdened populations.
Health Equity Capacity Building Program	Health, Dept. of (VDH)	Identity and Empowerment, Health and Wellbeing	Community-Centric Approach	Granting	Funding has been made available for community-based organizations that are working to address health disparities in Vermont. Through a grant from the Centers for Disease Control and Prevention, the Vermont Department of Health has established a Health Equity Capacity Building Program that, in partnership with the Vermont Community Foundation, provides financial and technical support opportunities for community organizations to

Aboveground Storage Tank Flood and Source Protection Mitigation	Environmental Conservation, Dept. of (DEC)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Granting	Providing funding to upgrade above ground fuel storage tanks located within public drinking water system source protection area.
Agency Facilities Engineering Design/Technical Assistance	Environmental Conservation, Dept. of (DEC)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Technical Assistance	Flood response technical assistance, surveying, design, and construction oversight services for Agency-owned infrastructure focusing on restoration of asset functionality and resilience to future events
AOT Continuity of Operations Plan	Transportation, Agency of (AOT)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Operations	The Continuity of Operations Plan (COOP) involves assessing all Agency mission-essential functions and analyzes how to continue these functions safely, efficiently, and effectively in the long term. This Plan is the primary document addressing preparedness and being able to rapidly respond when there are disruptions to the transportation system.
ARPA 3-Acre Stormwater (Including Green Schools and MHC)	Environmental Conservation, Dept. of (DEC)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Granting	Range of different funding programs to support sites in Lake Champlain and Lake Memphremagog to meet stormwater GP 3-9050 3-acre rule compliance. Some funding programs support design and permit obtainment, other programs can support sites through construction funding as well. Focus is on stormwater controls.
Better Roads Program	Transportation, Agency of (AOT)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Granting, Technical Assistance	Provides technical support and grant funding to municipalities to promote the use of erosion control and maintenance techniques to protect water quality.
Building Permitting/Plan Review/Inspection/Licensing	Fire Safety, Division of (DPS)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Enforcement	We are responsible for issuing construction permits for buildings defined as public buildings (20 V.S.A. § 2730). Building permits are required for new construction, additions, renovations, changes of use/occupancy, and or modifications. We regulate trade professionals, including but not limited to electricians, plumbers, heating techs, and others. We have fourboards in the division: the electrician's licensing board, the plumber's licensing board, the elevator safety board, and the handicap access board.
FHWA Emergency Relief Program	Transportation, Agency of (AOT)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Granting	FHWA's Emergency Relief Program provides federal assistance to government organizations
Highway Safety and Design	Transportation, Agency of (AOT)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Land Management	Located in the Project Delivery Bureau, the Highway Safety and Design Section is dedicated to supporting the VTrans Mission; “Provide for the safe and efficient movement of people and goods”. HSD is responsible for maintaining, upgrading and reconstructing roadway assets outside of large bridge structures.
Hydraulics Manual Update	Transportation, Agency of (AOT)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Operations	Update to the AOT Hydraulics Manual. The intent of the VTrans Hydraulics Manual is to identify approaches to the analysis of road and highway hydraulics that are approved for use by VTrans. This manual is not intended to be a comprehensive summary of all available techniques for hydrologic and hydraulic analysis, but rather it is meant to provide the designer with (1) guidance on the use of selected methods and (2) references to sources of additional
Incorporating Flood Resilience into the Transportation Project Selection and Prioritization	Transportation, Agency of (AOT)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Policy	Incorporating Flood Resilience into the Transportation Project Selection and Prioritization

Municipal Highway & Stormwater Mitigation Program	Transportation, Agency of (AOT)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Granting	Any environmental mitigation activity, including pollution prevention and pollution abatement activities and mitigation to address stormwater management, control, and water pollution prevention or abatement related to highway construction or due to highway runoff.
Municipal Roads Grants in Aid Program	Transportation, Agency of (AOT)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Granting	Grants to assist towns in implementing MRGP
Public Drinking Water System Asset Management Plans	Environmental Conservation, Dept. of (DEC)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Incentive	Funding, training, and support for a wholistic approach of identifying the assets in a public drinking water system, their criticality, and how to develop 5, 10, and 20-year financial budgets to address infrastructure needs.
Reducing Repeat Damage Report (Part 667 Report)	Transportation, Agency of (AOT)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Plan	Federal transportation legislation starting with MAP-21 has included a Part 667 to reduce repeated damage to roads and structures on the Federal Aid System. This is related to but distinct from the required Transportation Asset Management Plan (TAMP) that also must address enterprise-level risks such as climate change.
Reducing Repeat Damage Web Tool	Transportation, Agency of (AOT)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Tool/Data	Web map/app to accompany Part 667 Report.
Resilience Improvement Plan (RIP)	Transportation, Agency of (AOT)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Plan	A Resilience Improvement Plan is a plan developed by a State DOT or MPO in accordance with Section 176(e) to address surface transportation system resilience to current and future weather events and natural disasters.
State Lands Forest Road Maintenance and Improvement	Forests, Parks and Recreation, Dept. of (FPR)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Land Management	Maintenance and improvements to state-owned roads on state lands, including upsizing culverts, restoring stream channels at crossings, relocating poorly sited roads, and improving road surface shape to withstand high-flow events.
Stormwater - Municipal Roads General Permit	Environmental Conservation, Dept. of (DEC)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Enforcement	The MRGP is intended to reduce the transport of sediment and nutrients to surface waters by preventing stormwater-related road erosion. The BMPs in the MRGP also help ensure that roads are able to withstand sign heavy precipitation that would otherwise damage road infrastructure
Structures & Hydraulics Program	Transportation, Agency of (AOT)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Land Management	Located in the Project Delivery Bureau, the Structures and Hydraulics Section is dedicated to supporting the VTrans Mission; “Provide for the safe and efficient movement of people and goods”. We are proud to emphasize innovation in design, accelerated bridge construction, and alternative contracting techniques used to accelerate project delivery and underscore our commitment to quality, resiliency, and public engagement.
Town Highway Class 2 Program	Transportation, Agency of (AOT)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Granting	A grant program for municipalities that provides funds for the preservation of any Class 2 highways for resurfacing or reconstruction.

Town Highway Emergency Grants	Transportation, Agency of (AOT)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Granting	A grant program for municipalities that provides funds for emergency storm damage repairs.
Town Highway Road and Bridge Standards	Transportation, Agency of (AOT)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Policy	Optional standards municipalities may adopt that apply to the construction, repair, and maintenance of town roads and bridges.
Town Highway Structures Program	Transportation, Agency of (AOT)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Granting	A grant program for municipalities that provides funds for short bridges, culverts, retaining walls, and other town highway related structures on Class 1, 2, or 3 town highways.
Transportation Resilience Planning Tool	Transportation, Agency of (AOT)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Tool/Data	The Vermont Transportation Resilience Planning Tool (TRPT) is a web-based application that identifies bridges, culverts, and road embankments that are vulnerable to damage from floods, estimates risk based on the vulnerability, and criticality of roadway segments, and identifies potential mitigation measures based on the factors driving the vulnerability.
Unsafe Dam Revolving Fund	Environmental Conservation, Dept. of (DEC)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Loan	USACE financial and technical support for the operation and maintenance of Winooski River Flood control facilities, and flood mitigation and resilience projects.
US Army Corps of Engineers - Winooski Valley Flood Control	Environmental Conservation, Dept. of (DEC)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Technical Assistance	USACE financial and technical support for the operation and maintenance of Winooski River Flood control facilities, and flood mitigation and resilience projects.
Vermont Clean Water State Revolving Fund	Environmental Conservation, Dept. of (DEC)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Loan	Funding for Vermont's Clean Water Projects in the form of low interest loans to muncipalities.
Vermont Dam Safety Program (Owner)	Environmental Conservation, Dept. of (DEC)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Land Management	Owner/representative at 14 State-owned dams, including 3 major flood control dams
Vermont Dam Safety Program (Regulatory)	Environmental Conservation, Dept. of (DEC)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Enforcement	Increases regulatory authority of the Vermont Dam Safety Program's inspection and inventory of dams across the State. The Dam Safety Program (DSP) regulates non-power, non-federal dams and acts as the owner and operator at 14 State-owned dams.
VHCB/VHFA Building Design Standards (Policy on Energy Efficiency, Health, and Resiliency in Affordable Housing Design)	Housing and Conservation Board (VHCB)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Policy	This policy aims to guide energy efficiency, health, and resiliency in affordable housing design and construction, reflecting VHCB and VHFA's commitment to high standards in these areas. The policy includes standards for energy efficiency and renewable energy, including weatherization, sustainable building practices, and site design.

Water Infrastructure Geodata Project	Environmental Conservation, Dept. of (DEC)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement	Tool/Data	CWIP's water infrastructure dataset is the most complete single source for point, line, and polygon data for wastewater, stormwater, and drinking water infrastructure statewide. While this dataset was built to support the CWIP's Illicit Discharge Detection and Elimination and Stormwater Master Planning programs, it has many other broader user benefits including supporting planning for flood resiliency and housing development.
2.5% for Climate	Treasurer's Office (Vermont State Treasurer Mike Pieciak)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement, Economic and Environmental Sustainability	Loan	The legislature authorized in 2024 a new program, similar to the existing 10% in Vermont program, that allows the Treasurer to lend up to 2.5% of the State's average daily cash balance for climate infrastructure projects.
Indirect Discharge and Underground Injection Control Programs (EPR Chapters 11 & 14)	Environmental Conservation, Dept. of (DEC)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement, Economic and Environmental Sustainability	Enforcement	Regulating all soil based wastewater disposal systems > or = to 6,500 gpd; and subsurface discharge of non-sewage liquids
Wastewater System and Potable Water Supply Rules (EPR Chapter 1)	Environmental Conservation, Dept. of (DEC)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Infrastructure Design and Reinforcement, Economic and Environmental Sustainability	Enforcement, Technical Assistance	Regulating all soil-based wastewater systems less than 6,500 gallons per day, potable water supplies and municipal water and sewer connection.
Direct Discharge Wastewater Permitting	Environmental Conservation, Dept. of (DEC)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings, Water Resources and Quality	Infrastructure Design and Reinforcement	Enforcement	When permits are renewed the program uses updaed hydrological data to determine critical low-flow conditions to ensure WQS are met.
Stormwater Master Planning	Environmental Conservation, Dept. of (DEC)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings, Water Resources and Quality	Infrastructure Design and Reinforcement	Granting, Plan, Technical Assistance	Stormwater Master Planning is an assessment of a geographic area (sub-watershed or town) to determine where stormwater pollution is generated and identify where it can be captured and removed efficiently by stormwater management practices that collect, store, infiltrate, and filter runoff that contains nutrient, sediment and/or other contaminant pollution from hard surfaces associated with developed/urban/suburban areas. Identified practices should be listed as Tier 1 or 2 practices in the most updated Stormwater Management Manual. Work includes identifying and prioritizing practices to target cost-effective actions that address/mitigate stormwater runoff while preserving natural features and functions, emphasizing low-impact green stormwater infrastructure. These plans are used to prioritize environmentally effective and economically efficient stormwater projects. Ultimately many of the projects in each plan will be designed and implemented to reduce sediment and nutrients to the state's receiving waters. The prioritization matrix considers projects that reduce flooding impacts and/or increase groundwater
Bedrock aquifer mapping in support of municipal water supplies	Environmental Conservation, Dept. of (DEC)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings, Water Resources and Quality	Infrastructure Design and Reinforcement, Nature-Based Solutions	Tool/Data	Detailed bedrock mapping, including borehole geophysical logging, to identify favorable locations for installing new water supply wells for small municipalities that can't meet capacity and lack resources to hire a consulting hydrogeologist.

Combined Sewer Overflow Program	Environmental Conservation, Dept. of (DEC)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings, Water Resources and Quality	Infrastructure Design and Reinforcement, Nature-Based Solutions	Granting	This program will help Vermont municipalities fast-track the implementation of planned projects that reduce pollution of Vermont's streams and lakes. Sewer overflows occur in wastewater collection systems are either co-mingled with stormwater collection systems, or are subject to excessive stormwater water infiltration. During heavy rains, the additional stormwater entering the pipes can overwhelm the capacity of the wastewater facility to process the water. Abating combined or sanitary sewer overflows (jointly termed CSOs for the purpose of this document) is expensive, takes time, and typically requires multiple iterative projects before adequate abatement or elimination is achieved. To assist, the Agency of Natural Resources Department of Environmental Conservation will issue grants to municipalities to accelerate remediation of CSOs.
Construction Stormwater Permitting	Environmental Conservation, Dept. of (DEC)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings, Water Resources and Quality	Infrastructure Design and Reinforcement, Nature-Based Solutions	Enforcement	Regulation of stormwater runoff from construction and consturction-related activity for 1 or more acres of earth disturbance, including areas of less than 1 acre, when associated with a common plan of developmnet.
Operational Stormwater Permitting and VT Stormwater Management Manual	Environmental Conservation, Dept. of (DEC)	Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings, Water Resources and Quality	Infrastructure Design and Reinforcement, Nature-Based Solutions	Enforcement	Operational permits require engineered stormwater systems designed to safely convey larger storms. Design storms are based on best available precipitation data and may be modified as more recent precipitation data becomes available.
2025 Fishing Regulations Guide	Fish and Wildlife, Dept. of	Land Conservation and Biodiversity	Nature-Based Solutions	Conservation, Enforcement, Land Management	Fishing Regulations Guide
Aquatic Nuisance Control Spread Prevention	Environmental Conservation, Dept. of (DEC)	Land Conservation and Biodiversity	Nature-Based Solutions	Conservation, Land Management	To maintain the integrity of our waters and to keep them resilient to climate change, aquatic invasive species spread prevention is critical. This helps keep the stressors associated with an invasive from spreading so that doesn't get compounded on top of stressors from climate change.
Assessment of Ecologically Significant Treatment Areas	Fish and Wildlife, Dept. of	Land Conservation and Biodiversity	Nature-Based Solutions	Conservation	Assesses significant natural communities, rare species, and vernal pools against enrollment criteria for the new Reserve Forestland category and other Ecologically Significant Treatment Areas categories in the Use Value Appraisal program.
Backyard Woods	Forests, Parks and Recreation, Dept. of (FPR)	Land Conservation and Biodiversity	Nature-Based Solutions	Land Management	The Vermont Backyard Woods Course is designed for homeowners with less than 25 acres who want to learn more about the woods in their backyard: what's in it, who (wildlife) uses it, and how they can become better caretakers of it. The course explores the following themes: An Introduction to Your Backyard and Beyond; Getting to Know Your Woods; Backyard Woods Projects; Developing a Backyard Woods Action Plan. Over 550 Vermont landowners have participated in the course.
Bat Technical Assistance to Homeowners	Fish and Wildlife, Dept. of	Land Conservation and Biodiversity	Nature-Based Solutions	Technical Assistance	Assists homeowners in excluding bats from houses and erecting bat houses as alternatives to maintain bat population resilience. Assist regulated communities to comply with state and federal regulatory requirements.
Biofinder	Fish and Wildlife, Dept. of	Land Conservation and Biodiversity	Nature-Based Solutions	Tool/Data	Database and mapping tool for identifying Vermont's lands and waters that support important ecosystems, natural communities, habitats, and species. It features Vermont Conservation Design and was developed by the Agency of Natural Resources and partners to support stewardship, conservation, and land-use planning to support Vermont's biodiversity.
Conservation Easement Holding & Stewardship Policy	Housing and Conservation Board (VHCB)	Land Conservation and Biodiversity	Nature-Based Solutions	Conservation, Land Management	Conservation easements are permanent agreements that protect the conservation values of land, remaining in place regardless of ownership changes, and involve collaboration between landowners and land trusts to ensure proper management. VHCB holds or co-holds the easement on all conservation projects we fund and ensures the easements are upheld through direct monitoring and enforcement and by funding partner organizations who take on the primary responsibility of monitoring and enforcing the easements in accordance with a MOU established with VHCB. VHCB and our partners' monitoring activities involve dedicated stewards who conduct annual monitoring visits and build relationships with landowners in order to provide education on permitted activities and best conservation practices.

Forest Legacy Program	Forests, Parks and Recreation, Dept. of (FPR)	Land Conservation and Biodiversity	Nature-Based Solutions	Conservation	Forest Legacy is a land conservation program that permanently protects forestland from conversion to non-forest through conservation easements or fee-simple acquisition by the state. The land protection is accomplished through federal grants (up to 75% of total project costs) and typically advanced with assistance from NGO partners.
Hardwood Phenology	Forests, Parks and Recreation, Dept. of (FPR)	Land Conservation and Biodiversity	Nature-Based Solutions	Conservation, Land Management	Monitor bud development (spring) and color/leaf-drop (fall) timing for multiple hardwood species to assess the impacts of climate change on changes to the growing season.
Land Acquisition program	Fish and Wildlife, Dept. of	Land Conservation and Biodiversity	Nature-Based Solutions	Conservation, Land Management	Land acquisition for natural community preservation, habitat and connectivity, and ecosystem restoration (Upland, Wetlands, and Riparian programs). Wetland restoration under the EPA-funded program.
Land Conservation and Water Quality Projects	Housing and Conservation Board (VHCB)	Land Conservation and Biodiversity	Nature-Based Solutions	Granting	To purchase permanent conservation easements and install enhanced water quality protections like wetland protection zones.
Land Conservation Program	Forests, Parks and Recreation, Dept. of (FPR)	Land Conservation and Biodiversity	Nature-Based Solutions	Conservation	Land conservation with legal interests in land held by the Department of Forests, Parks and Recreation
Landowner Incentive Program (LIP) Easements	Fish and Wildlife, Dept. of	Land Conservation and Biodiversity	Nature-Based Solutions	Conservation, Land Management	Private lands protected by permanent conservation easements to maintain habitat for federally listed rare plant & animal species.
Migratory Waterfowl Fund	Fish and Wildlife, Dept. of	Land Conservation and Biodiversity	Nature-Based Solutions	Granting	Purchasing a Vermont's migratory waterfowl stamp supports the Migratory Waterfowl Fund, which is used for wetland purchases and enhancement projects.
Natural Area Conservation Program (including Funding for Natural Areas Projects Policy)	Housing and Conservation Board (VHCB)	Land Conservation and Biodiversity	Nature-Based Solutions	Granting	This program and policy includes funding priorities based on ecological criteria for projects that support an "ecological functional and resilient landscape" now and as the climate changes, including prioritizing interior forest blocks, connectivity blocks, lands with habitat complexity, etc., lands that support endangered or important species, and that protect old growth forests, etc. It also prioritizes land that has public access where appropriate.
Natural Community Classification and Inventory	Fish and Wildlife, Dept. of	Land Conservation and Biodiversity	Nature-Based Solutions	Conservation, Land Management	Conserving Vermont's fauna and flora requires understanding Vermont's habitats. Natural community research and data build this understanding. There are currently 97 wetland and upland natural community types in Vermont. The department tracks the best-known examples of every natural community type, which are called Significant Natural Communities. Special attention is directed to the rare community types, such as Subalpine Krummholz – a natural community of wind and ice-stunted trees found only on Vermont's highest peaks. Northern Hardwood Forest is the most common natural community in Vermont. Only a few very special examples are tracked, such as the
Natural Heritage Database	Fish and Wildlife, Dept. of	Land Conservation and Biodiversity	Nature-Based Solutions	Tool/Data	Database of plants, animals, habitats, and natural communities of Vermont. Maintained and populated by VFWD staff. It is used broadly by scientists, land managers, conservation organizations, and the regulated community, among many others.
Plants: Rare, Threatened, and Endangered Monitoring, Conservation & Management	Fish and Wildlife, Dept. of	Land Conservation and Biodiversity	Nature-Based Solutions	Conservation	Maintains rare and listed plant populations through management and protection, mitigates impacts from flooding, invasive plants, drought, and other threats.
Rare, Threatened, and Endangered Wildlife Conservation & Management	Fish and Wildlife, Dept. of	Land Conservation and Biodiversity	Nature-Based Solutions	Conservation, Land Management	This is an entire program and then some, perhaps separated by primary objectives (e.g., monitoring, conservation and management, restoration, and protection).
River Corridor Easements	Environmental Conservation, Dept. of (DEC)	Land Conservation and Biodiversity	Nature-Based Solutions	Conservation	Passive restoration of floodplain function via conservation. Space/time provided for river to re-establish a stable slope and floodplain connection. Enhances storage of floodwater and sediments and. Minimizes flood-related erosion hazards.
Scientific Advisory Groups to the Endangered Species Committee	Fish and Wildlife, Dept. of	Land Conservation and Biodiversity	Nature-Based Solutions	Technical Assistance	The Endangered Species Committee consists of nine members, including the Secretary of Agriculture, Food and Markets, the Commissioner of Fish and Wildlife, the Commissioner of Forests, Parks and Recreation, and six members of the public appointed by the Governor. Of the six public members, two are actively engaged in agricultural or silvicultural activities, two are knowledgeable concerning flora, and two are knowledgeable concerning fauna 10 V.S.A. § 5404(a)

Sentinel Site Monitoring	Environmental Conservation, Dept. of (DEC)	Land Conservation and Biodiversity	Nature-Based Solutions	Tool/Data	WSMD-MAP conducts long-term monitoring at twelve “sentinel” streams in Vermont, most of which are in watersheds that have substantial protected lands, and six are part of EPA's Regional Monitoring Network. WSMD Lakes and Ponds also conducts long-term monitoring at five “sentinel” lakes in Vermont which are also part of an EPA Regional Monitoring Network. Our objective is to isolate long-term impacts related to climate change, including how climate-induced changes in water quality, temperature an
State Wildlife Management Areas	Fish and Wildlife, Dept. of	Land Conservation and Biodiversity	Nature-Based Solutions	Conservation, Land Management	Lands conserved in fee (some with only public access rights) to protect, maintain, and enhance wildlife habitat, connectivity, and wildlife-based recreation opportunities. Includes multiple actions for climate resilience such as retrofitting infrastructure (culverts, bridges, roads & trails), invasive plant control, wetland restoration, forest management to improve health & vigor, riparian restoration, and dam maintenance
Staying Connected Initiative	Fish and Wildlife, Dept. of	Land Conservation and Biodiversity	Nature-Based Solutions	Education, Land Management, Operations, Outreach, Technical Assistance	An international public-private partnership that works to maintain landscape connectivity across the Northern Appalachian–Acadian Region of the U.S. and Canada.
Stream Temperature Assessments	Fish and Wildlife, Dept. of	Land Conservation and Biodiversity	Nature-Based Solutions	Conservation	Monitoring of summer water temperatures in streams across Vermont to understand how warming temperatures are affecting trout populations
Technical Assistance on Stream Alteration Permitting and Title 19	Fish and Wildlife, Dept. of	Land Conservation and Biodiversity	Nature-Based Solutions	Technical Assistance	Technical assistance on the impact of in-stream projects. Assessments are focused on reducing impacts on aquatic species and their habitats and maintaining habitat quality in sensitive times of year, such as spawning and migration
Threatened and Endangered Species Recovery Plans	Fish and Wildlife, Dept. of	Land Conservation and Biodiversity	Nature-Based Solutions	Conservation, Technical Assistance	
Vegetation Management on State Lands	Forests, Parks and Recreation, Dept. of (FPR)	Land Conservation and Biodiversity	Nature-Based Solutions	Land Management	Management of vegetation (other than timber harvesting) on state lands, including invasive plant management, restoration projects, stand improvement, invasive pest response (e.g. ash stand management), and open area maintenance
Vermont Conservation Design	Fish and Wildlife, Dept. of	Land Conservation and Biodiversity	Nature-Based Solutions	Plan	A science-based vision to maintain a connected and resilient landscape that sustains Vermont’s valued natural areas, forests, waters, wildlife, and plants.
Wildlife Action Plan	Fish and Wildlife, Dept. of	Land Conservation and Biodiversity	Nature-Based Solutions	Plan	This plan examines the status of Vermont’s plant and wildlife species and prescribes strategies and actions to 1) recover rare, threatened, and endangered species and 2) prevent additional species from becoming rare, threatened, and endangered
Forest Insect Trapping	Forests, Parks and Recreation, Dept. of (FPR)	Land Conservation and Biodiversity	Nature-Based Solutions, Early Warning Systems and Fast, Effective Response	Conservation, Land Management	Annual deployment of insect traps for pests of concern to Vermont forests. It allows us to identify increasing populations and forecast outbreaks.
Ground-Based Insect and Disease Monitoring	Forests, Parks and Recreation, Dept. of (FPR)	Land Conservation and Biodiversity	Nature-Based Solutions, Early Warning Systems and Fast, Effective Response	Land Management	Permanent plots are visited annually to assess decline of tree species due to forest stressors (e.g., hemlock woolly adelgid, red pine decline, beech leaf disease).
Invasive Species Monitoring	Fish and Wildlife, Dept. of	Land Conservation and Biodiversity	Nature-Based Solutions, Early Warning Systems and Fast, Effective Response	Conservation	Tracking the incidence of invasive species interactions with native species (e.g., round goby impacts on benthic fish species).
Wildlife Disease Response	Fish and Wildlife, Dept. of	Land Conservation and Biodiversity	Nature-Based Solutions, Early Warning Systems and Fast, Effective Response	Technical Assistance	Monitor and respond to wildlife disease outbreaks.
Anadromous and Migratory Fish Species Monitoring	Fish and Wildlife, Dept. of	Land Conservation and Biodiversity	Nature-Based Solutions, Infrastructure Design and Reinforcement	Conservation	Monitors passage of migratory species at dams on the Connecticut River and spawning presence in tributaries.
Aquatic Organism Passage	Fish and Wildlife, Dept. of	Land Conservation and Biodiversity, Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Nature-Based Solutions, Infrastructure Design and Reinforcement	Technical Assistance	This program provides technical assistance to municipalities and AOT regarding aquatic organism passage in culverts to reconnect habitats and provide the right-sized infrastructure.

Emergency Actions within Wetlands Guidance	Environmental Conservation, Dept. of (DEC)	Land Conservation and Biodiversity, Water Resources and Quality	Nature-Based Solutions	Enforcement	Describes activities that may be allowable within wetlands after disasters that aren't permitted otherwise
Beaver Wetland Habitat Conservation Program	Fish and Wildlife, Dept. of	Sustainable Land Practices	Nature-Based Solutions	Technical Assistance	Technical assistance for addressing beaver-human conflicts while maintaining and restoring wetlands.
Conservation Partner Outreach	Fish and Wildlife, Dept. of	Sustainable Land Practices	Nature-Based Solutions	Education, Outreach	Build capacity through partner outreach for conservation projects. Staff provide technical and programmatic assistance.
County Forester Program	Forests, Parks and Recreation, Dept. of (FPR)	Sustainable Land Practices	Nature-Based Solutions	Conservation, Land Management, Technical Assistance	FPR staffing to equip landowners and communities with the knowledge and resources to steward their forestland for multiple values.
Floodplain Forest Restoration	Fish and Wildlife, Dept. of	Sustainable Land Practices	Nature-Based Solutions	Conservation	To restore and increase floodplain resiliency, wild seeds are harvested and various floodplain forest species are planted on state and privately owned lands across Vermont.
Habitat Stamp Program	Fish and Wildlife, Dept. of	Sustainable Land Practices	Nature-Based Solutions	Granting	The Habitat Stamp Program is a grant program that funds TA staff for assistance to private lands, municipalities, state land habitat projects, and partner organization efforts.
Habitat Technical Assistance to Landowners	Fish and Wildlife, Dept. of	Sustainable Land Practices	Nature-Based Solutions	Technical Assistance	Technical assistance to private landowners to plan, fund, and implement habitat improvements via federal Farm Bill funding programs and other funding sources.
Habitat Technical Assistance to Municipalities and NGOs	Fish and Wildlife, Dept. of	Sustainable Land Practices	Nature-Based Solutions	Technical Assistance	This program provides technical assistance on town forests and other municipal lands to maintain and enhance wildlife habitat and connectivity.
Inflation Reduction Act - Resilience Riders	Forests, Parks and Recreation, Dept. of (FPR)	Sustainable Land Practices	Nature-Based Solutions	Incentive	Provide funding to loggers who implement resilience supportive practices as part of a logging activity.
Inflation Reduction Act - Resilience Standard	Forests, Parks and Recreation, Dept. of (FPR)	Sustainable Land Practices	Nature-Based Solutions	Technical Assistance, Tool/Data	UVM Extension Forestry program will create a scientifically based Forest Resilience Standard. This effort will include a field sampling protocol to measure specific forest attributes that confer resilience (structural and compositional attributes), which will be deployed across a range of forest sites in collaboration with landowners, practitioners, and partners.
Inflation Reduction Act - Underserved Landowner Plan/Lead	Forests, Parks and Recreation, Dept. of (FPR)	Sustainable Land Practices	Nature-Based Solutions	Land Management, Plan	Develop an Underserved Landowner engagement plan and adapt private lands services of FPR to better serve underserved landowners.
Land and Water Conservation Fund	Forests, Parks and Recreation, Dept. of (FPR)	Sustainable Land Practices	Nature-Based Solutions	Granting	The Land & Water Conservation Fund supports the development of public outdoor recreation opportunities across Vermont, with a focus on creating parks and open spaces, enhancing recreation areas and facilities, and protecting wilderness areas and forests.
Long-range management planning for ANR-owned lands	Forests, Parks and Recreation, Dept. of (FPR)	Sustainable Land Practices	Nature-Based Solutions	Plan	Long-range management plans are our cross-disciplinary natural resource planning tool to assess the current condition of ANR-owned lands and identify management goals for the next 20 years. We consider the health of forests, waters, wetlands, wildlife, recreational assets, etc. Through this process, we consider current and future climate scenarios and the role these lands play in a climate-resilient future, and the management support they may need to remain resilient as the climate changes.
Long-Range Management Planning for State Lands	Forests, Parks and Recreation, Dept. of (FPR)	Sustainable Land Practices	Nature-Based Solutions	Land Management	Developing long-range management plans for state lands through resource assessment, public input and management goal setting. This is an integrated cross-Agency effort led by the Stewardship Foresters in the Division of Forests.
Policy Development to Guide Management of ANR-Owned and Managed Lands	Forests, Parks and Recreation, Dept. of (FPR)	Sustainable Land Practices	Nature-Based Solutions	Policy	DLAR leads cross-disciplinary policy development to guide management of ANR-owned lands, which could address a variety of climate resilience-related topics with staff from across ANR.
Recreational Trail Maintenance and Improvement	Forests, Parks and Recreation, Dept. of (FPR)	Sustainable Land Practices	Nature-Based Solutions	Land Management	Maintenance and improvement of trails to manage water flow on and across trails, right-size stream crossings, relocate poorly sited trails and harden surfaces to match use.
Technical Assistance for Regulatory Review	Fish and Wildlife, Dept. of	Sustainable Land Practices	Nature-Based Solutions	Technical Assistance	Technical Assistance on permitting for development, which conserves and restores essential fish & wildlife habitat. Permits reviewed are under Act 250, Section 248, 401, Wetlands, Stream Alteration, Lake Encroachment, Aquatic Nuisance Species Control, and FERC dam relicensing. This includes an assessment focused on reducing impacts on aquatic species and their habitats and maintaining habitat quality in sensitive times of year, such as [illegible].
Timber Harvests on State Lands	Forests, Parks and Recreation, Dept. of (FPR)	Sustainable Land Practices	Nature-Based Solutions	Land Management	Timber harvests on state lands are used to manage forests at a large scale to restore forest structure and function in response to past land use, increase resilience through complexity and diversity, provide wildlife habitat, and accomplish related stewardship goals efficiently and effectively.
Use Value Appraisal	Forests, Parks and Recreation, Dept. of (FPR)	Sustainable Land Practices	Nature-Based Solutions	Conservation, Land Management, Technical Assistance	Lands being sustainably managed (agricultural/forest lands) and undeveloped benefit from lower valuation and reduced taxes.

Vermont Farmers Ecosystem Stewardship Program	Agriculture, Food & Markets, Agency of (AAFM)	Sustainable Land Practices	Nature-Based Solutions	Granting	The Vermont Farmer Ecosystem Stewardship Program is designed to ensure that farms are adequately recognized and compensated for their whole-farm stewardship and to provide a pathway to conservation planning and the implementation of additional conservation enhancements through the CSP program. This supplemental payment program was based on recommendations from the Vermont Payment for Ecosystem Services and Soil Health Working Group and will be administered by the Vermont Agency of Agriculture, Food and Markets (VAAFM). Under this state-funded incentive program, agricultural producers of all sizes who successfully engage in the development of an NRCS Conservation Stewardship Program Assessment will receive a one-time payment from the state of $2,000, followed by an additional state payment of $7,500 if they successfully sign a CSP contract.
Vermont Watershed Grants	Fish and Wildlife, Dept. of	Sustainable Land Practices	Nature-Based Solutions	Conservation, Granting, Land Management	The grant program also supports efforts to improve surface water quality in keeping with stated habitat improvement objectives. The program provides grants to towns, nonprofit organizations and community groups with specific watershed projects. Projects must be watershed related and can include monitoring, education, conservation, recreation, or historic enhancement. Some specific examples include: Protecting or restoring fish and wildlife habitats; Protecting or restoring water quality, and shorelines; Reducing phosphorus loading and/or sedimentation as part of DEC's Clean Water Initiative objectives; Enhancing recreational use and enjoyment; Identifying and protecting historic and cultural resources; Educating people about watershed resources; or Monitoring fish and wildlife populations and/or water quality.
Water Quality Farm Improvement and Retirement Projects	Housing and Conservation Board (VHCB)	Sustainable Land Practices	Nature-Based Solutions	Granting	To fund farm instrastructure and equipment improvements that have a water quality benefit as well as to purchase, retire and permanently conserve parcels of land perviously under agricultural production
Aerial Detection Surveys	Forests, Parks and Recreation, Dept. of (FPR)	Sustainable Land Practices	Nature-Based Solutions, Early Warning Systems and Fast, Effective Response	Conservation, Land Management	Annual surveys from fixed-winged aircraft to detect and map damage to Vermont forests. All areas of the state are flown each year.
North American Maple Project - Tree Health Monitoring	Forests, Parks and Recreation, Dept. of (FPR)	Sustainable Land Practices	Nature-Based Solutions, Early Warning Systems and Fast, Effective Response	Conservation, Land Management	Collect tree health data annually from over 30 long-term plots. Captures changes in tree health/decline and the impact of pests and diseases on forest trees.
Act 250	Natural Resources Board	Sustainable Land Practices	Nature-Based Solutions, Economic and Environmental Sustainability	Enforcement, Technical Assistance	Permitting program for land use review of developments and subdivisions.
Bipartisan Infrastructure Law-Forest Action Plan Implementation; Climate Forestry	Forests, Parks and Recreation, Dept. of (FPR)	Sustainable Land Practices	Nature-Based Solutions, Economic and Environmental Sustainability	Granting	The work outlined here supports the 2017 Vermont State Forest Action Plan and all three national S&PF priorities: Conserve and manage working forest landscapes for multiple values and uses, protect forests from threats (e.g., climate change, pests, pathogens), and enhance public benefits from trees and forests
Inflation Reduction Act - Beginning Landowner Course	Forests, Parks and Recreation, Dept. of (FPR)	Sustainable Land Practices	Nature-Based Solutions, Economic and Environmental Sustainability	Technical Assistance	UVM Extension in collaboration with VT Coverts will create an accessible, engaging, in-depth beginning landowner resource to help landowners explore objectives, opportunities, challenges, or available resources related to resilience.
Inflation Reduction Act - Resilience Multi-Media Campaign	Forests, Parks and Recreation, Dept. of (FPR)	Sustainable Land Practices	Nature-Based Solutions, Economic and Environmental Sustainability	Plan	FPR will lead the development of a multi-media outreach and marketing campaign targeting underserved and small landowners that will increase their awareness and understanding of resilience benefits, provide opportunities to implement revenue generating resilience practices, address emerging public perception around forests, climate and carbon, and increase knowledge of how to access to professional assistance available to landowners in implementing resilient forestry practices.
Inflation Reduction Act - Resilience Stewardship Plans	Forests, Parks and Recreation, Dept. of (FPR)	Sustainable Land Practices	Nature-Based Solutions, Economic and Environmental Sustainability	Technical Assistance	Provide funding to landowners to develop Resilience Stewardship Plans (Forest management plans with a resilience specific focus)

Maple Agriculture Development Grant	Agriculture, Food & Markets, Agency of (AAFM)	Sustainable Land Practices	Nature-Based Solutions, Economic and Environmental Sustainability	Granting	The Vermont Agency of Agriculture, Food & Markets' Maple Agriculture Development Grant aims to fund projects to develop, grow, and sustain Vermont maple operations. These grants will focus on three funding priorities: climate resilience, operational efficiency, and/or food safety and quality. Projects may impact any area of an operation and should include objectives that address viability, growth, or safety. Fiscal year 2024 will be the first year this grant is offered, and it may not be available in future years. Visit the website listed on this page for the most up-to-date information.
Move Forward Together Vermont	Forests, Parks and Recreation, Dept. of (FPR)	Sustainable Land Practices	Nature-Based Solutions, Economic and Environmental Sustainability	Plan	Move Forward Together Vermont is a plan for the next five years for outdoor recreation in Vermont that lays out a vision, objectives and priority actions for the recreation community. It will serve as the Statewide Comprehensive Outdoor Recreation Plan and the groundwork for the VOREC action plan.
Recreational Trails Program	Forests, Parks and Recreation, Dept. of (FPR)	Sustainable Land Practices	Nature-Based Solutions, Economic and Environmental Sustainability	Granting	The Recreational Trails Program provides annual funding to Vermont communities for the development and restoration of public recreational trails.
USDA LSR Grant-Climate Adaptation for Vermont's Forests and Forest Products Supply Chain	Forests, Parks and Recreation, Dept. of (FPR)	Sustainable Land Practices	Nature-Based Solutions, Economic and Environmental Sustainability	Granting	Climate-adaptive planning and management can increase the resilience of both Vermont's forests and forest economy. Using a collaborative group of stakeholders, we will create management plan templates, planning guides, and trainings to help landowners, foresters, loggers, mills, and producers identify climate change vulnerabilities and appropriate adaptation actions.
Wildlife Species Management	Fish and Wildlife, Dept. of	Sustainable Land Practices	Nature-Based Solutions, Economic and Environmental Sustainability	Conservation	Manage and regulate the harvest of deer, bear, moose, turkey, furbearers, waterfowl, and upland game birds.
Hazard Tree marking	Forests, Parks and Recreation, Dept. of (FPR)	Sustainable Land Practices	Nature-Based Solutions, Infrastructure Design and Reinforcement	Land Management	Work in state parks and high-use areas on state land to identify and mark trees for removal that pose a threat to infrastructure and safety.
Permit Navigator	Environmental Conservation, Dept. of (DEC)	Sustainable Land Practices	Nature-Based Solutions, Infrastructure Design and Reinforcement	Tool/Data	The Agency of Natural Resources (ANR) developed a tool called the Permit Navigator to help you determine what permits you may need for a project on a single parcel. The Permit Navigator has a section where you can learn about various Agency permits, including a brief explanation, time to issue the permit, application fee amount, link to the application, program resources, and more.
Act 250/Sec. 248 Coordination - Office of Planning	Natural Resources, Agency of (ANR)	Sustainable Land Practices	Nature-Based Solutions, Infrastructure Design and Reinforcement, Economic and Environmental Sustainability, Community-	Conservation, Education, Enforcement, Outreach, Policy, Technical Assistance	ANR is a statutory party to most Act 250 and PUC Sec. 248 cases. ANR OPP manages the Agency's participation in these proceedings, coordinating across ANR departments/programs and with sister agencies, providing technical assistance and guidance to applicants and other interested parties, and directing the development of relevant guidance materials, policies, and legislation.
Inflation Reduction Act - Forester and Logger Resilience Endorsement	Forests, Parks and Recreation, Dept. of (FPR)	Sustainable Land Practices, Economic Development and Stability	Nature-Based Solutions, Economic and Environmental Sustainability	Incentive	To support market expansion of resilience services, Foresters and loggers will earn a Resilience and Restoration endorsement through training on resilience principles, landowner messaging, specific management strategies, forest inventory, plan development, road layout, and operations.
Education and Outreach	Fish and Wildlife, Dept. of	Sustainable Land Practices, Identity and Empowerment	Nature-Based Solutions, Community-Centric Approach	Education, Outreach	The Outreach Division has three major programs, Information and Marketing, Conservation Education, and Hunter Education and Shooting Ranges. Staff within the division interact with the public on a daily basis and provide publications, website and social media, and information on fish and wildlife programs and laws. They also conduct statewide educational programs and special events that reach thousands of
Strategic Wood Addition	Fish and Wildlife, Dept. of	Sustainable Land Practices, Land Conservation and Biodiversity, Water Resources and Quality	Nature-Based Solutions	Land Management	Habitat enhancement program to jump-start and restore natural riverine processes, restore aquatic habitat, and increase floodplain accessibility for flood resilience

Streambank Management Areas	Fish and Wildlife, Dept. of	Sustainable Land Practices, Land Conservation and Biodiversity, Water Resources and Quality	Nature-Based Solutions	Land Management	The Vermont Fish & Wildlife Department owns many miles and hundreds of acres of land along rivers and streams throughout Vermont. These lands tend to be relatively small and often long narrow parcels along the banks of these water bodies. While some parcels have small, gravel parking areas, others provide no formal parking or rely on parking just off the road shoulder. These areas provide public access to streambanks for fishing, hunting, trapping, fish and wildlife viewing, photography, and other fish and wildlife-based activities. Collectively, they are known as
Forestry Water Quality Practices and Portable Skidder Bridges	Forests, Parks and Recreation, Dept. of (FPR)	Sustainable Land Practices, Water Resources and Quality	Nature-Based Solutions	Granting, Technical Assistance	State staff time is spent performing outreach and education on acceptable forestry management practices and sharing costs on portable skidder bridges, a practice that prevents erosion around stream crossings at logging sites. Skidder bridges are increasingly needed to support the logging industry in the face of climate impacts on logging accessibility/navigability in wet winters.
Agriculture Recovery Task Force & Report	Agriculture, Food & Markets, Agency of (AAFM)	Sustaining Community Essential Services	Early Warning Systems and Fast, Effective Response	Plan	The Vermont Agricultural Recovery Task Force was established in August 2023 to coordinate recovery efforts for Vermont's agriculture and food systems. The Extreme Weather Impact & Recovery report includes impact details and data, an overview of many recovery efforts, and the Vermont Agriculture Recovery Task Force recommendations to continue, expand, and improve our response.
Coordinating with VT 211 so that families can report damages and unmet needs	Human Services, Agency of (AHS)	Sustaining Community Essential Services	Early Warning Systems and Fast, Effective Response	Operations, Tool/Data	Coordinate with VT 211 so people impacted by disaster can call VT 211 to report damages and unmet needs. Then, data is shared with partners to collaborate on how to address the issue.
Farm Feed-Finder Marketplace	Agriculture, Food & Markets, Agency of (AAFM)	Sustaining Community Essential Services	Early Warning Systems and Fast, Effective Response	Tool/Data	In response to severe flooding and constant rain through the 2023 growing season, which negatively impacted feed yield and quality on affected farmland, the Vermont Agency of Agriculture, Food & Markets, and Agency of Digital Services created the Farm Feed-Finder Marketplace. This platform allows farmers looking to purchase or sell feed in Vermont and the surrounding region to connect. Those selling hay, alfalfa, corn, soy, silage, and haylage can advertise their feed in the directory, including details like whether the feed is organic or if the seller can deliver. Those looking to purchase feed can navigate the directory and view availability,
Mass Feeding	Human Services, Agency of (AHS)	Sustaining Community Essential Services	Early Warning Systems and Fast, Effective Response	Operations	This working group was formed to address any food insecurity needs following disasters.
State Emergency Operations Center (SEOC)	Emergency Management, Vermont (DPS)	Sustaining Community Essential Services	Early Warning Systems and Fast, Effective Response	Operations	The Vermont Emergency Management State Emergency Operations Center is equipped with a full array of communications equipment and computer systems that provide the critical communications needed during disaster operations.
ACCD Consolidated Plan	Housing and Community Development, Dept. of (DHCD)	Urban, Community, and Regional Planning	Community-Centric Approach	Plan	Plan outlines the housing and community development priorities throughout Vermont, stressing the importance of increasing the supply and quality of affordable housing in the State. It constitutes the State's application for HUD funding, and dictates how programmatic money (like CDBG, ESG, HOME and HTF funds are spent
Affordable Housing Program (including the Affordable Housing Project Funding Policy)	Housing and Conservation Board (VHCB)	Urban, Community, and Regional Planning	Community-Centric Approach	Granting	The policy outlines the priorities that will be considered for affordable housing project funding. VHCB favors projects that ensure perpetual affordability, focus on infill and historic settlement patterns, and prioritize neighborhood or downtown revitalization. Special attention is given to replacing housing lost to disasters like fires and floods, although replacing such housing in the same location is only preferred if mitigation measures have been implemented. Additionally, the Board emphasizes energy affordability goals and prioritizes the rehabilitation of existing structures over new construction unless it addresses blight or
Community Development Block Grant (CDBG)	Housing and Community Development, Dept. of (DHCD)	Urban, Community, and Regional Planning	Community-Centric Approach	Granting	Flexible program that provides communities with resources to address a wide range of unique community development needs. Funding can be used as local match for FEMA grants.
Environmental Leadership Training ELT 1 & 2	Fish and Wildlife, Dept. of	Urban, Community, and Regional Planning	Community-Centric Approach	Technical Assistance	Training conservation commission members and citizens to become community conservation leaders, including engagement techniques, planning tools (BioFinder, VCD), working with partners, creating work plans, etc., and climate effects and resilience.
Federal Rehabilitation Tax Credits	Historic Preservation, Vermont Division for	Urban, Community, and Regional Planning	Community-Centric Approach	Incentive	The program offers a 20% federal income tax credit for rehabilitation of income-producing historic buildings. They support the creation and improvement of rental housing and restore buildings and jump start revitalization in Vermont communities.
Flood Resilience Planning Element in Municipal Plans	Housing and Community Development, Dept. of (DHCD)	Urban, Community, and Regional Planning	Community-Centric Approach	Plan	Requires municipalities to include a "flood resilience element" in town plans

Funding for Mobile Home Parks	Housing and Conservation Board (VHCB)	Urban, Community, and Regional Planning	Community-Centric Approach	Policy	Manufactured housing in mobile home parks is a vital source of affordable housing in Vermont, especially for lower-income households. A key priority for funding under this policy is to support mobile home park projects that specifically address the impacts of climate change, ensuring that affordable housing remains resilient and sustainable in the face of environmental challenges.
Organizational Capacity Grants (Conservation & Housing)	Housing and Conservation Board (VHCB)	Urban, Community, and Regional Planning	Community-Centric Approach	Granting	This program aims to enhance the capacity of organizations involved in housing and conservation to effectively address the organizations dual goal mission, including community development challenges and promote climate resilience. By providing core operating support and start-up grants, the program ensures that these organizations can sustain their operations, innovate in service delivery, and leverage resources for housing and land conservation efforts, ultimately contributing to the state's climate adaptation and environmental stewardship goals.
Resilience Initiative for Vermont Empowerment and Recovery (RIVER)	Emergency Management, Vermont (DPS)	Urban, Community, and Regional Planning	Community-Centric Approach	Technical Assistance	RIVER is a project dedicated to developing locally supported ideas for reducing flood damage. RIVER is focusing on several municipalities hit hard in 2023. Community discussions for this project are being led by the respective regional planning commissions in concert with the affected towns and other groups. Real problems require real solutions, and municipalities will be provided with engineering support. The culmination of RIVER will be a set of applications to the Federal Emergency Management Agency (FEMA) for projects in 2025 and beyond. Other locally led projects may also be developed. This project is funded by the Vermont Housing and Conservation Board and Vermont Emergency Management and managed by the Two Rivers-Ottauquechee Regional Commission.
State Designation Programs	Housing and Community Development, Dept. of (DHCD)	Urban, Community, and Regional Planning	Community-Centric Approach	Incentive	protect VT's historic land use pattern of compact centers surrounded by rural natural and working lands, by revitalizing and energizing downtowns and villages
Statewide River Corridor Map Layer	Environmental Conservation, Dept. of (DEC)	Urban, Community, and Regional Planning	Community-Centric Approach	Tool/Data	Delineates the valley bottom space needed by a river to be least erosive and maximize floodwater and sediment storage and energy dissipation. Regulatory overlay used for State FHARC Rule, Act 250, and 20+ municipalities. Also serves as a planning and conservation tool
VDTM Destination Management Strategic Plan	Tourism and Marketing, Dept. of (VDTM)	Urban, Community, and Regional Planning	Community-Centric Approach	Plan	For the first time, VDTM is developing a Destination Management Strategic Plan to guide and support the sustainability and economic success of Vermont's tourism industry. In addition to identifying strengths and threats, the plan will evaluate how to best manage growth opportunities with best practices in sustainable tourism management and challenges unique to Vermont.
Zoning for Great Neighborhoods	Housing and Community Development, Dept. of (DHCD)	Urban, Community, and Regional Planning	Community-Centric Approach	Tool/Data	A guide with sample language that helps municipalities improve their zoning regulations and incrementally remove unnecessary barriers to building diverse new housing.
Downtown and Village Center Tax Credits	Historic Preservation, Vermont Division for	Urban, Community, and Regional Planning	Community-Centric Approach, Infrastructure Design and Reinforcement	Incentive	Tax credits support general rehabilitation, code compliance, and exterior improvements for commercial and non-profit owned buildings in Designated Downtowns and Village Centers.
Downtown Transportation Fund	Housing and Community Development, Dept. of (DHCD)	Urban, Community, and Regional Planning	Community-Centric Approach, Infrastructure Design and Reinforcement	Granting	financing tool that helps municipalities pay for transportation-related capital improvements within or serving a Designated Downtown and eligible Designated Village Centers
Historic Preservation Project Review for Federally Funded Projects	Historic Preservation, Vermont Division for	Urban, Community, and Regional Planning	Community-Centric Approach, Infrastructure Design and Reinforcement	Enforcement	Regulatory review of construction projects for impacts to historic resources (historic preservation)
Homes 4 ALL	Housing and Community Development, Dept. of (DHCD)	Urban, Community, and Regional Planning	Community-Centric Approach, Infrastructure Design and Reinforcement	Tool/Data	toolkit and community engagement process to reintroduce and support small-scale gentle infill housing development as a strategy to address Vermont's housing and affordability crisis
Transportation Alternatives Program	Transportation, Agency of (AOT)	Urban, Community, and Regional Planning	Community-Centric Approach, Infrastructure Design and Reinforcement	Granting	A grant program that encompasses a variety of smaller scale transportation projects such as pedestrian and bicycle facilities, Safe Routes to School projects, community improvements such as historic preservation and vegetation management, and environmental mitigation related to stormwater and habitat connectivity

Community Tree Planting Program (Block Grant)	Forests, Parks and Recreation, Dept. of (FPR)	Urban, Community, and Regional Planning	Community-Centric Approach, Nature-Based Solutions	Granting	The Community Tree Planting Grant (CTPG) program will hold two rounds of competitive grant applications to help fund tree planting projects in high priority areas across Vermont. These community projects will help increase urban tree canopy and improve water quality and public health by controlling stormwater. This program is being administered by the Chittenden County Regional Planning Commission in cooperation with the Vermont Urban and Community Forest Program. This program is ARPA funded.
Community Wildlife Program	Fish and Wildlife, Dept. of	Urban, Community, and Regional Planning	Community-Centric Approach, Nature-Based Solutions	Technical Assistance	Provides technical assistance to Municipalities and RPCs on land use planning for fish & wildlife interests.
Urban & Community Forestry Grants	Forests, Parks and Recreation, Dept. of (FPR)	Urban, Community, and Regional Planning	Community-Centric Approach, Nature-Based Solutions	Granting	Funded through an unprecedented one-time allocation from the US Forest Service, this category supports work in specific ("disadvantaged") communities to increase and maintain a healthy urban canopy and access to nature. The 2024 grant round funded 12 projects at $515k, and the 2025 round will open this summer (with $120k remaining)
Vermont Community Canopy Program	Forests, Parks and Recreation, Dept. of (FPR)	Urban, Community, and Regional Planning	Community-Centric Approach, Nature-Based Solutions	Granting	Supporting private citizens strategically planting trees on their property for energy (and other) benefits in target municipalities with high urban heat index and vulnerable populations.
Municipal Planning Grants	Housing and Community Development, Dept. of (DHCD)	Urban, Community, and Regional Planning	Community-Centric Approach, Nature-Based Solutions, Economic and Environmental Sustainability	Granting, Tool/Data	This flexible, low-barrier state general fund program is designed to help communities develop plans and projects and update their regulations. It also funds local planning initiatives that support statewide planning goals and revitalization for Vermont municipalities.
Better Connections	Transportation, Agency of (AOT)	Urban, Community, and Regional Planning, Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings,	Community-Centric Approach	Granting	The Better Connections Program is a partnership between the Vermont Agency of Transportation (VTrans), the Agency of Commerce and Community Development (ACCD), the Department of Environmental Conservation (DEC). The Better Connections Program provides technical assistance and funds to local communities to help them achieve their goals and plan for growth. The program funds planning efforts to increase multi-modal transportation options and to improve land use, water quality, public health, and economic vitality in Vermont communities. The interagency program provides targeted municipal assistance to: help communities identify and prioritize their goals and projects; develop an action-oriented plan to achieve the goals and move projects directly to implementation; and link the communities to a growing network of public and philanthropic partners to help them implement their priority
Clean Water Initiative, Board and Budget	Environmental Conservation, Dept. of (DEC)	Water Resources and Quality	Nature-Based Solutions	Granting	The Clean Water Initiative is an inter-agency initiative to provide mechanisms, staffing, and financing necessary to achieve and maintain compliance with the Vermont Water Quality Standards for all State waters. The State has committed to funding the Clean Water Initiative in a manner that ensures the maintenance of effort and that provides an annual appropriation for clean water programs in a range of $50 million to $60 million. Part of the goals of the Initiative are achieved by the actions of
Dam Removal	Fish and Wildlife, Dept. of	Water Resources and Quality	Nature-Based Solutions	Conservation	Provides funding and technical assistance for dam removals to reconnect aquatic habitat, return river processes and habitat resilience
Functioning Floodplain Initiative	Environmental Conservation, Dept. of (DEC)	Water Resources and Quality	Nature-Based Solutions	Tool/Data	A Functioning Floodplains Initiative is underway in Vermont to identify nature-based projects through scoring, tracking, and mapping of floodplain and wetland functions and quantification of their social values
Implementation of Lake Encroachment Permitting Program	Environmental Conservation, Dept. of (DEC)	Water Resources and Quality	Nature-Based Solutions	Enforcement, Land Management	Lake Encroachment Permits (LEP) are issued under 29 V.S.A Chapter 11 (Management of Lakes and Ponds), which regulates Encroachment in public waters. The goals of this program are to minimize the encroachment on public waters as well as ensure that projects do not adversely affect the public good and are consistent with the Public Trust Doctrine
Implementation of Shoreland Protection Permitting Program	Environmental Conservation, Dept. of (DEC)	Water Resources and Quality	Nature-Based Solutions	Enforcement	limiting vegetation removal and impervious surfaces along the shoreline and requiring BMPs for vegetation and stormwater when required

Lake Watershed Action Plans	Environmental Conservation, Dept. of (DEC)	Water Resources and Quality	Nature-Based Solutions	Granting, Plan	Funding to communities to contract an assessment/ plan. Serves as planning tool that is used to identify the greatest threats to a specific lake ecosystem. Typical threats include impacts on water quality and to wildlife habitat from different land uses along the shoreline and within the watershed. Many identified projects can be staged up to receive Clean Water Funding to restore lakeshorelands. he LWAP process is meant to be participatory, including representation and knowledge from various groups, including local lake association or watershed organizations, lake users, shoreland owners, the Town, and other stakeholders or interested groups and people.
Lake Wise Program	Environmental Conservation, Dept. of (DEC)	Water Resources and Quality	Nature-Based Solutions	Incentive	Voluntary Program that pairs nicely with lakes regulation
Surface water withdrawal reporting program	Agriculture, Food & Markets, Agency of (AAFM)	Water Resources and Quality	Nature-Based Solutions	Enforcement	Beginning January 15, 2023, any Vermont farm that withdrew 10,000 gallons or more of surface water within a 24-hour period in the preceding calendar year, or 150,000 gallons or more of surface water over any 30-day period in the preceding year, shall file a report with the Vermont Agency of Agriculture, Food & Markets (VAAFM). This year's reporting is due January 31, 2025.
Wetland Program Plan	Environmental Conservation, Dept. of (DEC)	Water Resources and Quality	Nature-Based Solutions	Plan	framework and direction over the next five years to strengthen and improve the state's Wetland Program to better protect wetlands statewide.
USDA NRCS RCPP Funding	Environmental Conservation, Dept. of (DEC)	Water Resources and Quality	Nature-Based Solutions, Economic and Environmental Sustainability	Conservation	Grant from USDA NRCS to implement agricultural and forestry water quality and flood resilience improvement projects.Includes funding for technical assistance to landowners, funding for assessment, monitoring, planning, outreach and education.
ARPA MS4	Environmental Conservation, Dept. of (DEC)	Water Resources and Quality	Nature-Based Solutions, Infrastructure Design and Reinforcement	Granting	Formula grants to the 15 MS4s to design and install stormwater practices that will help them make progress on their phosphorus control plans.
MS4 Stormwater Permit	Environmental Conservation, Dept. of (DEC)	Water Resources and Quality	Nature-Based Solutions, Infrastructure Design and Reinforcement	Enforcement	Regulates larger population centers for municipally owned stormwater infrasture, also Vtrans, other entities, UVM, Burlington Airport
Multi-Sector Industrial Stormwater Permitting	Environmental Conservation, Dept. of (DEC)	Water Resources and Quality	Nature-Based Solutions, Infrastructure Design and Reinforcement	Enforcement	Regulates stormwater discharges from certain industrial activities.
Hydrography Mapping (3DHP)	Geographic Information, Vermont Center for (VCGI)	Water Resources and Quality	Nature-Based Solutions, Infrastructure Design and Reinforcement, Early Warning Systems and Fast, Effective Response, Community-Centric Approach	Tool/Data	Development of elevation (lidar) derived hydrography in Vermont to dramatically improve the level of detail, currency, and content of Vermont's mapped surface waters. This is part of the USGS 3D Hydrography Progam to replace the National Hydrography Dataset.
Agricultural Clean Water Initiative Program (AgCWIP)	Agriculture, Food & Markets, Agency of (AAFM)	Water Resources and Quality, Agriculture and Food Systems	Nature-Based Solutions, Economic and Environmental Sustainability	Granting	The Vermont Agency of Agriculture, Food and Markets offers the Agricultural Clean Water Initiative Program (AgCWIP) grant funding opportunity to businesses, organizations, and individuals who work with farms to support the improvement of water quality across Vermont through education and outreach, technical assistance, organizational capacity, and conservation practices.
Conservation Reserve Enhancement Program (CREP)	Agriculture, Food & Markets, Agency of (AAFM)	Water Resources and Quality, Agriculture and Food Systems	Nature-Based Solutions, Economic and Environmental Sustainability	Granting	Vermont's Conservation Reserve Enhancement Program (CREP) is a voluntary program designed to reduce sediment runoff and improve water quality by removing land from agricultural production and establishing vegetative buffers. State and federal funds are used to compensate landowners for the loss of productive agricultural land through upfront incentive payments and annual rental payments based on the total acreage dedicated to vegetated filter strips, forested buffers, or grassed waterways.
Farm Agronomic Practices Program	Agriculture, Food & Markets, Agency of (AAFM)	Water Resources and Quality, Agriculture and Food Systems	Nature-Based Solutions, Economic and Environmental Sustainability	Granting	The Farm Agronomic Practices (FAP) Program utilizes state funding to help Vermont farms implement soil-based agronomic practices that improve soil quality, increase crop production, and reduce erosion and agricultural waste discharges. The FAP program also provides education and instructional activity grants to support outreach regarding the impacts of agricultural practices on water quality and current state agricultural water quality regulations.

Grassed Waterway & Filter Strip Program (GWFS)	Agriculture, Food & Markets, Agency of (AAFM)	Water Resources and Quality, Agriculture and Food Systems	Nature-Based Solutions, Economic and Environmental Sustainability	Granting	The Seeding and Filter Strip (SFS) Program can provide technical and financial assistance to Vermont farmers for in-field agronomic best practices to address critical source areas, erosion, and surface runoff. The Program's goal is to reduce soil erosion and improve soil and water quality on cropland that contributes a disproportionately high level of nutrients in runoff. Such areas of cropland are considered "Critical Source Areas" (CSAs), representing a small proportion of the landscape yet a high proportion of nonpoint source
Pasture and Surface Water Fencing Program	Agriculture, Food & Markets, Agency of (AAFM)	Water Resources and Quality, Agriculture and Food Systems	Nature-Based Solutions, Economic and Environmental Sustainability	Granting	The Pasture and Surface Water Fencing (PSWF) Program provides pasture management technical assistance and financial assistance to Vermont farmers to improve water quality and on-farm livestock exclusion from surface waters statewide.
Vermont Pay for Performance Program	Agriculture, Food & Markets, Agency of (AAFM)	Water Resources and Quality, Agriculture and Food Systems	Nature-Based Solutions, Economic and Environmental Sustainability	Granting	The Vermont Pay For Performance Program (VPFP) from the Water Quality Division of the Vermont Agency of Agriculture, Food and Markets (VAAFM) is a new and innovative program that provides performance-based payments to Vermont farmers for reducing phosphorus (P) losses from their agricultural fields. While most current conservation programs pay cost-share for practice implementation, VPFP pays for the outcomes of practices: it recognizes that conservation practices generate value to the public and directly compensates farms for that value. This approach also allows us to target our water quality resources towards the highest impact farms and fields with respect to reducing Vermont's
Green Infrastructure Collaborative	Environmental Conservation, Dept. of (DEC)	Water Resources and Quality, Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Nature-Based Solutions, Infrastructure Design and Reinforcement	Education, Outreach	Green Infrastructure Collaborative (GIC) is a parternship between VT DEC and Lake Champlain Sea Grant Program at UVM. GIC promotes Low Impact Development and Green Stormwater Infrastructure practices in Vermont watersheds to manage stormwater runoff from developed lands.
Rivers and Roads Training	Environmental Conservation, Dept. of (DEC)	Water Resources and Quality, Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Nature-Based Solutions, Infrastructure Design and Reinforcement	Education, Technical Assistance	Three tier training program to considering the river in the design, construction and maintenance of transportation infrastructure.
Statewide Dam Inventory	Environmental Conservation, Dept. of (DEC)	Water Resources and Quality, Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings	Nature-Based Solutions, Infrastructure Design and Reinforcement	Tool/Data	Created by the Agency of Natural Resources, the Statewide Dam Inventory exists to compile information about Vermont dams as well as maintaining records of inspection and the Hazard Potential of dams
FW EPA Wetland Conservation and Restoration Program	Fish and Wildlife, Dept. of	Water Resources and Quality, Land Conservation and Biodiversity	Nature-Based Solutions	Conservation, Land Management	An annual appropriation from the Lake Champlain Basin Program EPA funding to VT Fish and Wildlife to acquire and restore wetlands in the Champlain Basin.
Lake Champlain Basin Program - EPA Award to VTDEC	Environmental Conservation, Dept. of (DEC)	Water Resources and Quality, Land Conservation and Biodiversity	Nature-Based Solutions	Conservation, Granting, Technical Assistance	Funding to support design, implementation, technical assistance, organizational capacity support, and education and outreach across a variety of sectors to benefit Lake Champlain and the basin. Funds largely support Clean water, healthy ecosystems, an engaged and informed public, and thriving communities.
Leahy Memphremagog Clean Water Program	Housing and Conservation Board (VHCB)	Water Resources and Quality, Land Conservation and Biodiversity	Nature-Based Solutions	Granting	The program aims to enhance aquatic habitats in the Memphremagog Watershed by improving climate resiliency and ecosystems through collaborative efforts with partner organizations. Key initiatives include implementing floodplain acquisitions and restoration projects, restoring habitats, managing invasive species, reconnecting fish habitat, and fostering community education and engagement to support sustainable fisheries and water quality.
Regional Conservation Partnership Program (RCPP) Wetlands Restoration Incentive Payments	Environmental Conservation, Dept. of (DEC)	Water Resources and Quality, Land Conservation and Biodiversity	Nature-Based Solutions	Incentive	Providing incentive payments directly to landowners who enroll in the NRCS Wetland Reserve Easements program to restore wetland and protect in perpetuity. Payments are dependent on the location and potential for the project to attenuate Phosphorous. Many projects are within floodplains

Vermont Sigificant Wetlands Inventory	Environmental Conservation, Dept. of (DEC)	Water Resources and Quality, Land Conservation and Biodiversity	Nature-Based Solutions	Tool/Data	Identifys the locations of significant wetlands on mapping that is publically available.
Vermont Wetland Rules	Environmental Conservation, Dept. of (DEC)	Water Resources and Quality, Land Conservation and Biodiversity	Nature-Based Solutions	Enforcement	The State of Vermont protects wetlands which provide significant functions and values (Class I and Class II wetlands) and also protects a buffer zone directly adjacent to significant wetlands. Wetlands in Vermont are classified as Class I, II, or III based on the significance of the functions and values they provide. Permits require applicants avoid and minimize impacts proposed to wetlands and compensate adverse effects so that there is no net loss of wetland function and value. Class I wetlands are irreplicable or exceptional in one or more function or value and, therefore, activities within them may only be permitted to meet a compelling
Water Infrastructure Sponsorship Program	Environmental Conservation, Dept. of (DEC)	Water Resources and Quality, Land Conservation and Biodiversity	Nature-Based Solutions	Granting, Loan	The goal of WISPr is to counter the loss of ecological function and biological diversity that jeopardize the health of Vermont's water resources by providing financial resources. Municipalities holding CWSRF loans for pollution control and abatement facilities can sponsor natural resource projects up to 10% of the cost of the CWSRF wastewater principle. Eligible projects include Land conservation, Wetland restoration projects, Floodplain/stream restoration, River corridor easements, Woody buffer plantings, Lake shoreland retrofit, erosion repair using LakeWise principles, Dam
Water Quality Enhancement Grants Program	Environmental Conservation, Dept. of (DEC)	Water Resources and Quality, Land Conservation and Biodiversity	Nature-Based Solutions	Granting	The Secretary shall administer a Water Quality Enhancement Grant Program. This program shall be a competitive grant program to fund projects that protect high quality waters, maintain or improve water quality in all waters, restore degraded or stressed waters, create resilient watersheds and communities, and support the public's use and enjoyment of the State's waters. Project types span all land use sectors can include things like floodplain restoration, wetlands restoration, dam removals, riparian buffer plantings, agricultural practices, stormwater, road erosion control, stream crossing upsizing (bridges/culverts) for aquatic organism passage and stream equilibrium, stream habitat improvements, etc.
Water Quality Restoration Formula Grants Program	Environmental Conservation, Dept. of (DEC)	Water Resources and Quality, Land Conservation and Biodiversity	Nature-Based Solutions	Granting	To award grants to clean water service providers to meet the pollutant reduction requirements under this subchapter. The grant amount shall be based on the annual pollutant reduction goal established for the clean water service provider multiplied by the standard cost for pollutant reduction. Project types span all land use sectors can include things like floodplain restoration, wetlands restoration, dam removals, riparian buffer plantings, agricultural practices, stormwater, road erosion control, stream crossing upsizing (bridges/culverts) for aquatic organism passage and stream equilibrium, stream habitat improvements, etc.
Wetlands Restoration Roundtable	Environmental Conservation, Dept. of (DEC)	Water Resources and Quality, Land Conservation and Biodiversity	Nature-Based Solutions	Conservation, Land Management, Technical Assistance	Connects statewide restoration partners twice a year. The group identifies gaps in reaching restoration goals and cross-trains.
Tactical Basin Plans (Integration of Flood Resilience Projects)	Environmental Conservation, Dept. of (DEC)	Water Resources and Quality, Land Conservation and Biodiversity, Infrastructure Hardening, Repair, and Relocation – Transportation, Water, Wastewater, Buildings, Identity and Empowerment,	Nature-Based Solutions	Conservation, Granting, Land Management, Plan	Identify opportunities to mitigate impacts of severe precipitation events on communities through implementation of nature-based restoration projects or practices that increase natural flood water attenuation and storage.