



WHEN GOVERNMENTS COOPERATE

State Government Municipal Day 2014

A Day of Workshops for Vermont's Local Officials

Monday, March 31, 2014

National Life Building, Montpelier, VT

The Vermont Agency of Natural Resources (ANR), in cooperation with the Vermont Agency of Transportation (VTTrans) and the Vermont Agency of Commerce and Community Development (ACCD), invites you to participate in an all-day event that will include poster presentations, workshops, technical assistance and the opportunity to engage with Agency staff members and municipal colleagues from across the state.

SPACE IS LIMITED, PRE-REGISTRATION IS REQUIRED.

The \$25 registration fee includes morning coffee and a buffet lunch by the New England Culinary Institute.

The agenda and workshop details can be found below or [on our web site and registration can be completed online.](#)

COMPLETE AGENDA AND WORKSHOP DESCRIPTIONS INSIDE.

POSTER PRESENTATIONS throughout the day include:

- » Adapting to a Shifting Climate
- » Evolution of Stream Crossings/Flume
- » Local Planning for Recreation
- » Communities Caring for Tree Canopy
- » Environmental Assistance Office—We Can Help
- » Stormwater Master Planning
- » Communicating with ANR
- » ANR Grants Available
- » Forest Land Conservation
- » Hunting and Fishing Licenses



FOR MORE INFORMATION:

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Agency of Natural Resources
penny.percival@state.vt.us
802-828-1294

REGISTER ONLINE AT:

<http://www.anr.state.vt.us/site/html/mtd.htm>

State Government Municipal Day 2014 Agenda

Please see complete workshop descriptions on following pages

8:00 AM – 9:40 AM	Registration, Coffee & Poster Presentations in Lobby and Cafeteria					
9:00 AM	Welcome & Opening Remarks by Governor Shumlin					
9:40 AM – 10:50 AM	SESSION I					
	WORKSHOP 1	WORKSHOP 2	WORKSHOP 3	WORKSHOP 4	WORKSHOP 5A	WORKSHOP 6
	Planning for Prosperity (Part 1): Tools You Can Use	Flood Resilience (Part 1): Living with the River	When a Major Development or Energy Project Comes to Your Town: A Primer on Municipal Involvement in Act 250 and Section 248	Managing Roads (Part 1): Best Practices to Maintain Infrastructure, Protect Water Quality, Enhance Safety and Save Money	Vermont's Ecology & Environment (Part 1 of 4): An Introduction to Town Planning for Natural Resources (Hands-on Workshop)	In the Computer Lab: ANR's Natural Resources Atlas (Repeated again as Workshop 11)
11:00 AM – 12:00 PM	SESSION II					
	WORKSHOP 7	WORKSHOP 8	WORKSHOP 9	WORKSHOP 10	WORKSHOP 5B	WORKSHOP 11
	Planning for Prosperity (Part 2): Creating a Thriving Economy in Your Town	Flood Resilience (Part 2): Plan Ahead!	Don't Get Left High and Dry: Plan Ahead with Wastewater and Drinking Water Solutions	Managing Roads (Part 2): Everything You Need to Know about Stream Crossing Designs to Protect Infrastructure and Habitat	Vermont's Ecology & Environment (Part 2 of 4): An Introduction to Town Planning for Natural Resources (Hands-on Workshop)	In the Computer Lab: ANR's Natural Resources Atlas (Repeat of Workshop 6)
12:00 PM – 1:00 PM	Buffet Lunch in the National Life Cafeteria					
1:00 PM – 2:00 PM	SESSION III					
	WORKSHOP 12	WORKSHOP 13	WORKSHOP 14	WORKSHOP 15	WORKSHOP 5C	
	Better Backroads, Cleaner Water, Healthy Communities: Integrating Action, Funding, Rules, and Common Sense to Reduce Roadway Pollution to Vermont Waters	Natural Resource Inventories: A Focus on Rare, Threatened and Endangered Species	Universal Recycling Law: Everything Your Town and Citizens Need to Know	Getting a Permit: What your Town Needs to Know about Wetlands, Stormwater, Lakes and Ponds	Vermont's Ecology & Environment (Part 3 of 4): An Introduction to Town Planning for Natural Resources (Hands-on Workshop)	
2:10 PM – 3:30 PM	SESSION IV					
	WORKSHOP 16	WORKSHOP 17	WORKSHOP 18	WORKSHOP 19	WORKSHOP 5D	WORKSHOP 20
	Low Impact Development and Green Stormwater Infrastructure: Innovative Solutions to Stormwater Woes	Prepare for and Prevent Disasters in Your Town	Saving Taxpayer Dollars through Energy Conservation and Renewable Energy Projects	Everyone Needs Clean Water to Drink: Protect Your Town's Groundwater Resources and Be Prepared for the Future	Vermont's Ecology & Environment (Part 4 of 4): An Introduction to Town Planning for Natural Resources (Hands-on Workshop)	In the Computer Lab: BioFinder

Workshop Session I (9:40 AM – 10:50 AM)

1 Planning for Prosperity (Part 1): Tools You Can Use

PRESENTERS

Chris Cochran, ACCD
Leanne Tingay, ACCD
Richard Amore, ACCD
John Adams, ACCD
Josh Hanford, ACCD
Caitlin Corkins, ACCD
Jen Butson, ACCD
Faith Ingulsrud, ACCD

Staff from the Agency of Commerce and Community Development will offer a series of snappy 5-10 minute ‘lightning talks’ on a variety of tools available to municipalities highlighting successful examples of community planning and revitalization from around the state. Learn about Community Development, Historic Preservation and Municipal Planning Grants, Historic Tax Credits, Downtown and Village Center Designation and programs to support local tourism. Presentations will focus on key points and the speakers will linger afterwards to chat if you have specific questions.

WHO SHOULD ATTEND: Select Board Members, Planning Commissioners, and Development Review Board Members

2 Flood Resilience (Part 1): Living with the River

PRESENTERS

Mike Kline, DEC
Shayne Jaquith, DEC

In this session you will learn what a decade of river science has taught us about how to reduce flood and erosion risk in your community. Presenters will provide information about ANR’s new Stream Alteration Rules (including information about the new reporting requirements that apply when communities do emergency projects), discuss the benefits of investing in properly sized culverts, and share news about upcoming River and Roads training opportunities for municipal officials.

WHO SHOULD ATTEND: Town Clerks, Select Board Members, Emergency Managers, and Road Foremen

3 When a Major Development or Energy Project Comes to Your Town: A Primer on Municipal Involvement in Act 250 and Section 248

PRESENTERS

Billy Coster, ANR
Lou Borie, NRB
Anne Margolis, PSD
Stephanie Smith, AAFM
Scott Dillon, ACCD

In this session presenters will provide an overview of the Section 248 and Act 250 review processes with a particular focus on how municipal governments can play a role. The presenters will also explain how the state agencies are involved in the process and the role they play in promoting state policy goals for natural resource protection, smart growth and energy.

WHO SHOULD ATTEND: Planning Commissioners, Select Board Members, Municipal Planners, and Conservation Commissioners

4 Managing Roads (Part 1): Best Practices to Maintain Infrastructure, Protect Water Quality, Enhance Safety and Save Money

PRESENTERS

Michaela Stickney, DEC
David Wilcox, FPR
Alan May, VTrans
Jon Armstrong, VTrans

In this session participants will get an overview of the best and most cost-effective practices towns can utilize to maintain local roads while protecting water quality, controlling invasive species, and protecting public safety. Presenters will share appropriate erosion and sediment control techniques, roadside vegetation strategies, inventories to prioritize projects, and resources — both financial and technical — to put these practices into action and on the ground.

WHO SHOULD ATTEND: Town Clerks, Town Managers, Transportation Planners, Road Crews, and Conservation Commissioners

5A

Vermont's Ecology & Environment (Part 1 of 4, Hands-on Workshop): An Introduction to Town Planning for Natural Resources

THIS IS A FOUR PART WORKSHOP. You must sign up for all four sessions to attend. If this is a problem, please contact jens.hilke@state.vt.us.

PRESENTERS

Jens Hilke, F&W
Danielle Fitzko, FPR
Ethan Swift, DEC
Rebecca Pfeiffer, DEC
Alison Thomas, F&W

In this four-part workshop, participants will learn important context and scientific concepts involved in planning for natural resources. This course will expose participants to the full suite of issues at play for natural resources planning, from forests and wildlife to floodplains and climate change. Presentations on Context, Scale, and Whole Communities are interspersed with interactive hands-on activities that make this an intensive and exciting training.

WHO SHOULD ATTEND: Conservation Commissioners, Select Board Members and others involved in Town Planning or Development Review

6

In the Computer Lab: ANR's Natural Resources Atlas

PRESENTERS

Erik Engstrom, ANR

This hands-on session will introduce you to, and teach you to use, ANR's Natural Resource Atlas. The Atlas provides geographic information about environmental features and sites that the Vermont Agency of Natural Resources manages, monitors, permits, or regulates. This includes wetlands, public water sources and conserved lands. In addition to standard map navigation tools, this site allows you to link from sites to documents where available, generate reports, export search results, import data, search, measure, mark-up, and query map features, and print PDF maps. This tool will be useful for town planning, development review, and managing town owned properties.

(Note: This workshop will repeat during Session II. Do NOT sign up for both sessions.)

WHO SHOULD ATTEND: Anyone interested in using ANR's data

Workshop Session II (11:00 AM – 12:00 PM)

7

Planning for Prosperity (Part 2): Creating a Thriving Economy in Your Town

PRESENTERS

Faith Ingulsrud, ACCD
Richard Amore, ACCD
Sally Hull, ACCD
Chris Cole, VTrans
Winslow Ladue, DEC
Trish Coppelino, ANR
Stephanie Smith, AAFM
Matt Langlais, FPR

Municipalities can help local economies thrive through a wide range of state programs to support investments in water and wastewater infrastructure, avoid damage from floods, and redevelop brownfield sites. An interagency line-up will offer fast-paced 5-10 minute 'lightning talks' on a variety of programs available to municipalities, highlighting successful examples from around the state. Presentations will focus on key points and the speakers will linger afterwards to chat if you have specific questions.

WHO SHOULD ATTEND: Planning Commissioners, Zoning Administrators, Select Board Members, Municipal Planners, and Conservation Commissioners

8

Flood Resilience (Part 2): Plan Ahead!

PRESENTERS

Rob Evans, DEC
Ben Rose, DPS
Ned Swanberg, DEC

What are river corridors and why are they important? Learn about the new statewide maps of river corridors that will soon be available and how your community can use them to avoid future flood damage. Get a pre-release view of a new, one-stop web portal that will explore how municipalities can improve their flood resilience and how this will benefit towns immediately and in the long term. Learn about how your community can address flooding and improve your chances of qualifying for post-disaster funding.

WHO SHOULD ATTEND: Select Board Members and Planning Commissioners

9 Don't Get Left High and Dry: Plan Ahead with Wastewater and Drinking Water Solutions

PRESENTERS

Winslow Ladue, DEC
Lynnette Whitney, DEC
Eric Law, DEC
Ashley Lucht, DEC
Nathan Cleveland,
ACCD
Rhonda Shippee, USDA

Got water and sewer infrastructure? No? Got water and sewer infrastructure that needs repairs? Not sure how to pay for MS4 planning? Come to learn about the Water Infrastructure Financing Programs' Clean Water and Drinking Water State Revolving Funds Loans, Grants, & Planning Advances, as well as some technical options and other funding options that may be available to your community.

WHO SHOULD ATTEND: Select Board Members, Municipal Planners, Planning Commissioners and Public Works Directors

10 Managing Roads (Part 2): Everything You Need to Know about Stream Crossing Designs to Protect Infrastructure and Habitat

PRESENTERS

Rich Kim, F&W
Shayne Jaquith, DEC
Staci Pomeroy, DEC

This session will explore the effects of stream crossings on Vermont's ecology; stream processes and flood risks; and discuss recent advances in stream crossing design and construction.

WHO SHOULD ATTEND: Road Crews, Select Board Members, Town Managers, Conservation Commissioners, Planning Commissioners, and Development Review Board Members

5B Vermont's Ecology & Environment (Part 2 of 4, Hands-on Workshop): An Introduction to Town Planning for Natural Resources

THIS IS A FOUR PART WORKSHOP. *You must sign up for all four sessions to attend. If this is a problem, please contact jens.hilke@state.vt.us.*

PRESENTERS

Jens Hilke, F&W
Danielle Fitzko, FPR
Ethan Swift, DEC
Rebecca Pfeiffer, DEC
Alison Thomas, F&W

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WHO SHOULD ATTEND: Conservation Commissioners, Select Board Members and others involved in Town Planning or Development Review

11 In the Computer Lab: ANR's Natural Resources Atlas

PRESENTERS

Erik Engstrom, ANR

This hands-on session will introduce you to, and teach you to use, ANR's Natural Resource Atlas. The Atlas provides geographic information about environmental features and sites that the Vermont Agency of Natural Resources manages, monitors, permits, or regulates. This includes wetlands, public water sources and conserved lands. In addition to standard map navigation tools, this site allows you to link from sites to documents where available, generate reports, export search results, import data, search, measure, mark-up and query map features, and print PDF maps. This tool will be useful for town planning, development review, and managing town owned properties.
(Note: This workshop is a repeat from Session I. Do NOT sign up for both sessions.)

WHO SHOULD ATTEND: Anyone interested in using ANR's data

Workshop Session III (1:00 PM – 2:00 PM)

12

Better Backroads, Cleaner Water, Healthy Communities: Integrating Action, Funding, Rules, and Common Sense to Reduce Roadway Pollution to Vermont Waters

PRESENTERS

Beverley Wemple, UVM
Alec Portalupi, VTrans
Michaela Stickney, DEC
Alan May, VTrans
Kari Dolan, DEC

Unpaved roadways in Vermont contribute a significant amount of sediment and phosphorus to surface waters. New research indicates that specific Best Management Practices significantly reduce the amount of pollution that enters waterways. Getting there requires funding, guidelines, and creativity. The existing Vermont Better Backroads Program (VBBR) and Road and Bridge Codes and Standards provide some of this overarching support. Several innovative ideas under consideration will further develop an integrated framework to enhance roadways and improve water quality.

WHO SHOULD ATTEND: Select Board Members, Town Managers, Planning Commissioners, Development Review Board Members, Transportation Planners, and Road Crews

13

Natural Resource Inventories: A Focus on Rare, Threatened and Endangered Species

PRESENTERS

Eric Sorenson, F&W
Everett Marshall, F&W

In this session, participants will understand the range of options and practical considerations in coordinating a town-wide natural resource inventory, and integrating that inventory into the town's planning framework. Participants will then get more detail on how to access, understand and work with the Heritage Database of rare threatened and endangered species and significant natural communities, as an important component of an inventory to be considered in town planning for natural resources.

WHO SHOULD ATTEND: Select Board Members, Town Managers, Planning Commissioners, Development Review Board Members, Zoning Administrators, Conservation Commissioners, and Municipal Planners

14

Universal Recycling Law: Everything Your Town and Citizens Need to Know

PRESENTERS

Bryn Oakleaf, DEC
Josh Kelly, DEC
Mia Roethlein, DEC
Faith Ingulsrud, ACCD

Vermont's recycling has stagnated in the past decade with a recycling rate of only 30 to 35%. Currently, over half of what we throw away could be recycled or composted. With that in mind, in 2012 the legislature passed a far-reaching solid waste law requiring statewide recycling by July 2015, and the diversion of all organic material (including food scraps) from landfills by July 2020. In this workshop you will learn how the new law will be phased in over the coming years, and what it will require of your municipality and your citizens. Topics include: unit based pricing, impact on schools, solid waste district resources, parallel collection, food scrap collection and facilities, and new business development and job growth as a result of needed infrastructure. Infrastructure needs include: facilities (both anaerobic digesters and composting facilities); food scrap and yard debris haulers; food rescue partnerships and local options for education on food waste reduction; and home recycling and backyard composting practices.

WHO SHOULD ATTEND: Select Board Members, Conservation Commissioners, Planning Commissioners, School Board Officials, Public Works Officials, Mayors, Town Managers, and Town Clerks

15

Getting a Permit: What your Town Needs to Know about Wetlands, Stormwater, Lakes and Ponds

PRESENTERS

Jenna Calvi, DEC
Ryan McCall, DEC
Danielle Owczarski, DEC
Susan Warren, DEC

This workshop will provide an overview of the State permits required to protect surface water resources in your community. With 17 major river basins in Vermont ultimately draining to the St. Lawrence, Hudson, or Connecticut Rivers, taking care of business by protecting water resources in our communities is how we can ultimately clean up these larger water bodies. Come learn about our permitting process and how the permits apply to projects in your community.

WHO SHOULD ATTEND: Anyone who deals with Development, Redevelopment, or Site Design Projects

Vermont's Ecology & Environment (Part 3 of 4, Hands-on Workshop): An Introduction to Town Planning for Natural Resources

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WHO SHOULD ATTEND: Conservation Commissioners, Select Board Members and others involved in Town Planning or Development Review

Workshop Session IV (2:10 PM – 3:30 PM)

Low Impact Development (LID) and Green Stormwater Infrastructure (GSI): Innovative Solutions to Stormwater Woes

PRESENTER

Justin Kenney, DEC
Ryan McCall, DEC

Stormwater runoff is a mounting concern in Vermont, sparking much debate about how we manage flows generated from impervious surfaces throughout the state. Across the country, conventional methods of stormwater management are being replaced by alternative systems that use natural processes to mimic pre-development hydrology. Slowly but surely, Vermont is moving in the same direction. This workshop will explore LID principles and GSI practices; how they are being used to effectively manage stormwater runoff, how they may play a role in the future of the stormwater management in Vermont, and why municipalities should encourage and promote their use through effective and flexible bylaws.

WHO SHOULD ATTEND: Planning Commissions, Development Review Board Members, Conservation Commissioners, and Zoning Administrators

Prepare for and Prevent Disasters in Your Town

PRESENTERS

Tim Copley, DEC
Chuck Schwer, DEC
Marc Roy, DEC
Buzz Surwilo, DEC
Ben Rose, DPS

Learn about the tools, technical assistance and grants that are available to your town to help you plan for and mitigate the impacts of future disasters, and how ANR can assist in disaster recovery. Learn about the new Above Ground Storage Tank rules, grants that are available for upgrading tanks, technical capabilities of the DEC Spill Response and the Vermont HazMat Response Teams, the Petroleum Cleanup Fund, and the response and recovery functions of ANR when disasters do occur. Have you ever asked what I should do with all the debris that is left behind? Learn what you can do to plan in advance for such events.

WHO SHOULD ATTEND: Emergency Management Directors, Select Board Members, and Town Clerks

Saving Taxpayer Dollars through Energy Conservation and Renewable Energy Projects

PRESENTERS

Billy Coster, ANR
Anne Margolis, PSD

Get a low-interest loan for public charging stations for electric cars, develop a community solar project, save money by retrofitting your buildings, and implement other energy savings practices. This workshop will let you know how to make the most of available programs to help your town and your citizens save money and energy.

WHO SHOULD ATTEND: Energy Committee Members, Conservation Commissioners, Municipal Planners, Town Administrators, and Public Works Directors

19

Everyone Needs Clean Water to Drink: Protect Your Town's Groundwater Resources and Be Prepared for the Future

PRESENTERS

Larry Becker, DEC
Rodney Pingree, DEC
Jon Kim, DEC
Gail Center, DOH

This workshop will help you understand the tools available to you to protect the groundwater resource in your community so that you can ensure that clean water will be available for drinking into the future. When you identify areas in your town that are suitable for public water supplies you can plan your town's future development. In addition to introducing you to some of the regulatory tools available for protecting groundwater, this workshop will explain how the Vermont Geological Survey conducts groundwater resource and recharge area mapping and the geology that informs source water protection.

WHO SHOULD ATTEND: Planning Commissioners, Conservation Commissioners, Select Board Members, Fire District Officials, Town Managers, and Health Officers

5D

Vermont's Ecology & Environment (Part 4 of 4, Hands-on Workshop): An Introduction to Town Planning for Natural Resources

PRESENTERS

Jens Hilke, F&W
Danielle Fitzko, FPR
Ethan Swift, DEC
Rebecca Pfeiffer, DEC
Alison Thomas, F&W

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WHO SHOULD ATTEND: Conservation Commissioners, Select Board Members and others involved in Town Planning or Development Review

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In the Computer Lab: BioFinder

PRESENTER

Eric Sorenson, F&W

This hands-on session will teach participants to use the BioFinder online mapping tool (<http://biofinder.vermont.gov/>) to access information on Vermont's biological diversity. The interface is the same one used by ANR's Atlas so most of the tools are the same ones covered in the "ANR's Natural Resources Atlas" sessions, but the BioFinder site includes a few tools specifically designed to work with the BioFinder data, moving back and forth between a "Tiered Contributions" dataset, and the 21 component datasets that it is composed of. BioFinder is specially designed to assist in land-use planning, large-scale development review and all manner of academic and scientific work related to biodiversity.

WHO SHOULD ATTEND: Anyone interested in using ANR's data

A Guide to State Agency Abbreviations:

You can find a comprehensive list at: <http://governor.vermont.gov/contact-us>

AAFM	Agency of Agriculture, Food & Markets
ACCD	Agency of Commerce and Community Development
ANR	Agency of Natural Resources
DEC	Department of Environmental Conservation
DOH	Department of Health
DPS	Department of Public Safety
FPR	Department of Forest, Parks and Recreation
F&W	Department of Fish & Wildlife
PSD	Public Service Department
NRB	Natural Resources Board
USDA	US Department of Agriculture
VTrans	Vermont Agency of Transportation