



# PELHAM MASTER PLAN

## PROFESSIONAL QUALIFICATIONS AND PROPOSAL



**RESILIENCE**  
Planning & Design LLC









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Jeff Gowan, Planning Director  
Town of Pelham  
6 Village Green  
Pelham, NH 03076

January 8, 2021

Re: Pelham Master Plan Project

Dear Mr. Gowan,



We are pleased to submit this proposal for master planning services for your consideration. Resilience Planning and Design was created to serve communities like Pelham that are thoughtfully planning for their future. We believe our team's extensive experience in community planning, as well as our ability to conduct effective public outreach, will bring the skills and expertise required to reach your project goals for this Master Plan project. Our experience includes the completion of Master Plans in a variety of communities from small towns like Plaistow and Littleton, NH, to lakeside communities like Newbury and Wolfeboro, NH, to seacoast cities like Dover and Rochester, NH. We also have experience completing a wide variety of topic specific plans such as a Housing Plan for Jackson, NH; an Open Space Plan for Portsmouth, NH; and a Water Resources Plan for Franconia, NH.

For this project, I will serve as the project manager and Liz Kelly from our firm will be the project planner for the duration of this initiative. Zak Brohinsky will provide all of the GIS related services that will be used to inform this planning process, and will produce the maps and data used to engage the public in this process. We feel our combined skills and experience will serve the Town of Pelham as you work to involve residents and property owners in determining the roadmap that will best guide future land use activity toward your shared vision. This is exactly what we have advocated for and accomplished in other communities.

The enclosed proposal will further detail who we are, our experience, and how we would assist you with the creation of an engaging and user friendly Master Plan. Thank you for the opportunity to offer our services, and I hope we have the opportunity meet with you to discuss this project further.

Sincerely,

A handwritten signature in black ink, appearing to read "Steve Whitman".

Steve Whitman, EdD, AICP

Founder and Principal

Resilience Planning & Design LLC

1 Bridge St, Suite 301 Plymouth NH 03264

166 Valley St, Building 6M, Suite 103 Providence RI 02909

P (NH): 603-381-1798 P (RI): 401-400-1735

E: [steve@resilienceplanning.net](mailto:steve@resilienceplanning.net) W: [www.resilienceplanning.net](http://www.resilienceplanning.net)

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## FIRM PROFILE & QUALIFICATIONS

### RESILIENCE PLANNING & DESIGN LLC

provides collaborative planning, design, and education services. We have offices in Plymouth, NH and Providence, RI and work throughout the northeast. Currently we have two full-time planners and a GIS analyst on staff. Beyond this core team we collaborate with other professionals on a project basis to ensure we can deliver the specific skills needed for each initiative. Our firm has extensive experience working on a range of planning projects in communities of all sizes, but one of our specialties is leading master planning initiatives.

Given the spectrum of issues addressed in a master plan we have become extremely proficient in land use, housing, transportation, natural resources and hazards, community facilities, and other topics that are essential to master plan development.

We are also very experienced with community outreach and engagement, graphics, and document creation. As a team, we have been working to make planning documents and information more accessible and engaging to the public and municipal boards. We also have the ability to create the concise language and graphics needed to clearly communicate Pelham's vision for the future, and the implementation program needed to reach that vision.



# PROFESSIONAL STAFF

## **STEVEN WHITMAN, EDD, AICP** **PRINCIPAL PLANNER & PROJECT MANAGER**

Steve Whitman is professional planner and educator who has been working in the public, non-profit, and private sectors for twenty-three years. Steve will serve as the project manager and will ensure the project meets the scope and deliverables identified. Steve established Resilience Planning & Design to assist municipalities, agencies, and non-profit organizations with planning initiatives and implementation efforts that reinforce their visions and future plans. His work includes strategic open space planning, comprehensive planning projects in small towns and large cities, housing assessments, and regional and watershed scale natural resource planning. Steve is also a published researcher on the value of holistic natural resource protection and regenerative design at the municipal scale. His work was recently published in Planning magazine. Steve is an adjunct faculty member, municipal planning board member, and is an active board member for two New Hampshire based non-profits.



## **ELIZABETH KELLY** **PROJECT PLANNER**

Elizabeth Kelly is a professional planner and designer who holds a M.S. in Ecological Design and Planning and has completed a variety of comprehensive planning projects for municipalities focused on natural resource protection, transportation, community design, land use planning, and sustainability throughout her career. Most recently Liz has been the point of contact for the updating of the Littleton, NH Master Plan. She is formerly a municipal and regional planner, is a certified permaculture teacher, and is highly skilled in graphic design, program development, strategic planning, and communication. An adjunct faculty member at Plymouth State University, Liz is also currently the Board chair for the Permaculture Association of the Northeast.



## **ZAK BROHINSKY** **GIS ANALYST**

Zak Brohinsky is a skilled GIS analyst and has significant experience in GIS analysis and data management. Zak has an understanding of complex environmental and social interactions and has the capacity to convey spatial information effectively to a broad audience. With a background in applied land conservation, Zak has worked with federal and state agencies, private entities, and non-profit organizations. In addition to performing GIS analyses for Resilience Planning & Design, Zak provides mapping and land analysis support to a land trust and develops natural disaster risk assessments for local, state and international clients. He is certified in FEMA's flood hazard training having successfully completed the Hazus-MH for Flood course. Zak is also a GIS instructor at the university level and is the current Board President of the Plymouth Area Renewable Energy Initiative.





## PROPOSED SCOPE OF SERVICES

Master plans can be approached in many different ways. However, we have found that having a set schedule of meetings and frequent communication with community representatives works best. We have also found it's best to complete some mapping and data analysis early on to inform the investigation of each of the topics addressed in a plan traditionally. This ensures that all the existing information on the community is identified and evaluated early in the process. The resulting topic profiles will be instrumental to outreach and engagement efforts, and will provide a foundation of knowledge during the writing of the final plan.

Our firm will guide you through this process while ensuring that Pelham complies with both the state statutory requirements and industry best management practices. The result of this process will be a visually engaging master plan that clearly communicates the implementation actions needed to reach the Town's shared vision. This document will be concise and user-friendly as both a digital and print document. The final plan can then be formatted as an online story map to provide another engaging alternative for

sharing Pelham's vision and action plan. Below are the major tasks that this work will be organized under.

### TASK 1: PROJECT MANAGEMENT AND MEETINGS

We have found that monthly meetings with the Planning Board and town staff are really important for maintaining the attention needed to complete a master plan update. This regular meeting schedule provides an opportunity for project updates, and the delivery and review of draft materials. Liz Kelly from our firm will attend all of these meetings, but we have incorporated additional time for Steve and Zak to also participate in key meetings and conversations as needed. Between meetings we will communicate directly with the Planning Director or his designee. We envision the initial meeting with the Town Staff and Planning Board as a project kick-off session. Steve, Liz, and Zak will all be in attendance at this meeting to work with the Town to refine the project scope and timeline as needed to make this project successful. This will also be a good opportunity to discuss early



project tasks related to GIS mapping, and the existing resources inventory and analysis. This initial meeting is also an opportunity to begin to think about how to best engage the public in this process over the course of the project.

## **TASK 2: MAPPING AND ANALYSIS OF EXISTING CONDITIONS AND RESOURCES**

In order to ensure that the master planning process is informed by earlier efforts and existing conditions data, we will begin with a thorough review of existing plans, studies, and GIS data. Similar to your 2002 Plan, this will include collecting and analyzing municipal and regional data related to demographics, transportation, land use patterns, housing, economic development, community facilities and utilities, natural resources and natural hazards, historic and cultural resources, recreation, energy, and possibly other topics. We will then craft a summary of the findings for each topic so that they can serve as stand-alone profiles of data and issues to inform public engagement efforts, and later be integrated into the Master Plan. A Master Plan project webpage should be established on the Town's website to provide access to these background documents, and the resulting topic profiles and maps.

This analysis of existing conditions will also help our team identify and understand the distinct resources, issues, and opportunities related to land use in Pelham. This early work will also help us understand how Pelham is connected internally and to the surrounding region by the various forms of infrastructure and natural resource networks. All of this will contribute to a shared understanding of the physical, natural, cultural, social, and economic resources of the community.

## **TASK 3: OUTREACH AND ENGAGEMENT**

Given the age of the existing Master Plan and the desire for an "out of the box" approach to master planning and community engagement, we see a variety of opportunities to inform and engage the public in this master planning process. These efforts

will ensure the focus and direction of the plan satisfy the needs of residents and property owners. It is also an opportunity to generate buy in and enthusiasm for Pelham's future, and to engage a broader array of stakeholders in the implementation of the Master Plan.

Given the realities of Covid-19, we feel that outreach efforts associated with this Master Plan project should utilize both conventional and alternative methods of engagement. This will provide greater flexibility over the project timeline and a variety of ways to participate. During the project kickoff meeting, we would like to begin identifying a range of outreach techniques that will be effective in Pelham. Then we will draft an outreach plan that outlines the exact methods to be used and the timing of each throughout the project. At a minimum, we feel this should include a project webpage, regular print and digital communications on the status of the update process (including social media), topic related polling, and a project feedback form for anyone wishing to share information or ask questions along the way. We have also budgeted for community forums, topic specific focus groups and interviews, and a final report summarizing both the techniques used and the feedback collected. We would also like to discuss recording some presentations or short videos on the project along the way, and could possibly use an early version of the story map we have included in Task 4.

In other communities, we have found innovative ways to reach out to populations often excluded from these municipal planning projects. This may include children, the elderly, and those without access to technology. This is an issue of equity and also a sound planning practice for such a complex community. Meeting with groups of individuals that reflect the voices missing from the conversations in Pelham can be coordinated with help from other departments, public agencies, local schools, and other partners. This will broaden the stakeholder perspectives informing the planning process, and will surely add richness and reality to the new Master Plan. Lastly, we have included the option of using an online engagement platform in the proposed budget. A platform such as Mindmixer or Social Pinpoint

would allow for the creation of one platform for all project related updates, documents, and media.

#### **TASK 4: CHAPTER DEVELOPMENT AND DELIVERY**

The final task is the further development of the data and text that will serve as the body of the Master Plan, and then the final formatting of the document. This task includes the development of refined maps and data that can be incorporated into the identified Master Plan chapters. The document can follow traditional chapter topics as the 2002 Plan did, or take a more creative approach that will require us to synthesize the information under the themes that emerge specific to Pelham. Whatever the approach, we find it is helpful to give an overview of draft plan materials at a meeting with the Planning Board, and then leave these drafts with the members and staff to review more closely. At the next monthly meeting we will collect feedback on the draft materials and provide an overview of additional new materials for the Board to review.

The final document will be formatted and delivered using InDesign so that it is both visually appealing and engaging. This is now the industry standard and will allow the Town to share the final plan online, and as a printed document in key locations within the community. We will assist the Planning Board with the public hearing process during the review and adoption of the final plan, and are happy to be in attendance to present materials and collect any feedback received. Once adopted we will provide all of the digital files associated with the Master Plan to the Town, including all of the GIS maps created during this process.

Once the document has been adopted by the Planning Board we would advocate for the creation of a story map. This will provide an interactive online version of the Plan that is largely composed of images, maps, graphics, and small amounts of text from the Master Plan. It will provide an overview of the main sections and findings within the Plan, and will be linked to the full plan for readers that want to know more. We were pleased to see that Pelham is already using a story map to present the community's conservation areas and town forests.





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## PROPOSED OVERALL BUDGET

We would welcome the opportunity to meet with the Town of Pelham to refine this scope of work and the corresponding budget to ensure it best meets your needs. However, based on our initial understanding of the proposed project, and our experience on other similar initiatives in New Hampshire, we feel confident that the budget identified below will ensure a thorough and innovative process that results in an engaging and actionable Master Plan. The breakdown of our proposed budget is provided by task below.

PHASE/TASK	FEE
Task 1: Project Management and Meetings	\$16,960
Task 2: Mapping and Existing Resources Inventory by Topic	\$19,960
Task 3: Outreach and Engagement	\$18,320
Task 4: Chapter Development and Delivery	\$24,820
<b>TOTAL</b>	<b>\$80,060</b>

The hourly rates for the project team are below. On projects such as this we prefer to bill on a monthly basis, and will do so after each monthly meeting with the Town.

PERSONNEL	HOURLY RATES
Steve Whitman, EdD, AICP	\$140
Liz Kelly	\$80
Zak Brohinsky	\$80

### ALTERNATIVE SCOPE AND FUNDING IDEA

We realize that the Planning Board is working to secure the necessary funding for this master planning initiative through a warrant article at Town Meeting in March of 2021, and we hope that effort is successful. If the proposed article does not pass we would suggest an alternative approach to ensure you maintain momentum toward a new Plan in the coming year. We would be happy to assist the Town with an application for a NH Municipal Technical Assistance Grant (MTAG). This funding source is administered by Plan NH and could be used to kick off the master planning initiative with the research and writing of the chapters associated with demographics and housing. Initial outreach and engagement could also be incorporated into this effort, and then the remaining funds could be sought in 2022. This is not the ideal way to proceed, but it seems like a worthy alternative to consider if needed.

[illegible]



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## PROJECT EXAMPLES & REFERENCES

Below we have provided some examples of recent master planning projects we have assisted with in New Hampshire. We have also included an example of our zoning ordinance work, and a site scale design example for a public park. We have included references for each project and encourage you to speak with our former clients as they have first hand knowledge of our work.

### MASTER PLAN LITTLETON, NH

In 2019, Resilience Planning and Design (RP&D) partnered with the Town of Littleton to update their Master Plan. Littleton is a bustling community and regional hub in the North Country of NH. The Town is known for its outdoor recreation, arts and culture, strong local economy, and its vibrant Downtown. The focus of the update was to create a planning document that was accessible, interesting, and useful to a range of townspeople. RP&D worked closely with Littleton's Planning Board and staff to analyze their town's resources, identify clear implementation strategies, and engage key stakeholders and the public. A suite of GIS maps were generated to inform the Plan and future land use vision including water resources, steep slopes, existing development pattern, and wildlife habitat. The Plan was adopted in July 2020. To view the Plan, please visit: <https://www.townoflittleton.org/planning-zoning/pages/littleton-master-plan-2020>

### CLIENT REFERENCE

Joanna Ray,  
Planning & Zoning Clerk  
Town of Littleton  
125 Main St. Suite 200  
Littleton, NH 03561  
p: (603) 444-3996  
ext. 1027  
e: [jray@townoflittleton.org](mailto:jray@townoflittleton.org)





## MASTER PLAN CHAPTER UPDATES DOVER, NH

Resilience Planning and Design (RP&D) has assisted the City of Dover in the update of several Master Plan chapters. The Stewardship of Resources chapter incorporates topics that span a range of “resources” that are critical components of Dover, making it a unique place to live in New Hampshire. Prior to this, our team assisted the City with an update of their Land Use Chapter. Our firm also worked with Dover to create context sensitive zoning for the City’s Central Business District (CBD) using a Form-Based Code. In 2019, we worked with the City to develop Urban and Architectural Design Guidelines for the CBD that focus on building form, design, massing, and streetscape. We incorporated a number of outreach and engagement strategies for the creation to the Architectural Design Guidelines including stakeholder interviews, a visual preference survey, and tabling at events. RP&D is currently working with the City on updating its Community Facilities and Utilities chapter. To view the Stewardship of Resources and Land Use chapters, please visit: <https://www.dover.nh.gov/government/city-operations/planning/master-plan/index.html>

### CLIENT REFERENCE

Christopher Parker, AICP,  
Assistant City Manager &  
Planning Director  
288 Central Ave.  
Dover, NH 03820  
p: 603.516.6008  
e: [c.parker@dover.nh.gov](mailto:c.parker@dover.nh.gov)





## MASTER PLAN UPDATE WOLFEBORO, NH

The Town of Wolfeboro is located in the Lakes Region of NH, bordering Lake Winnepesaukee. In 2017/18, Resilience Planning and Design (RP&D) assisted the Town of Wolfeboro with an the update of their municipal Master Plan which included updating chapters such as transportation, arts and culture, housing, economic development, and others. As part of the update, RP&D worked with master plan chapter subcommittees to guide the document's development, coordinated community engagement and outreach activities, developed maps and other graphics for visual content, and provided assistant to the town in creating a planning document truly guided by the vision of the community members. Extensive GIS analysis resulted in the creation of maps and data related to development constraints, community facilities, natural resources, population, housing, and others. To view the adopted Plan, please visit: <https://www.wolfeboronh.us/planning-development/pages/2019-wolfeboro-master-plan>

## CLIENT REFERENCE

Matt Sullivan, Director of  
Planning & Development,  
84 South Main St  
Wolfeboro, NH 03894  
p: (603) 569-2246  
e: [planningdirector@  
wolfeboronh.us](mailto:planningdirector@wolfeboronh.us)





## MASTER PLAN UPDATE NEWBURY, NH

Resilience Planning and Design (RP&D) assisted the Town of Newbury, New Hampshire with the revising and updating of their Town Master Plan in 2016/17. This small town nestled in the Mount Sunapee region, has many unique characteristics including a large influx of tourist and vacation population, many protected lands and natural resources, and historic architecture and landscapes. The Town requested a user-friendly and highly accessible Master Plan. During the planning process, RP&D facilitated diverse public outreach mechanisms to collect feedback from the public (including “world cafe” forums and online forms). Additionally, our team created a two-volume product and an executive summary document for wider distribution. To view the adopted plan and executive summary, please visit: <https://www.newburynh.org/planning-board/pages/2017-master-plan-documents>

### CLIENT REFERENCE

Denis Pavlicek, Town  
Administrator  
Town of Newbury  
937 Route 103  
Newbury, NH 03255  
p: 603.763.4940  
e: [denis@newburynh.org](mailto:denis@newburynh.org)





## MASTER PLAN UPDATE PLAISTOW, NH

In 2019/20, Resilience Planning & Design (RP&D) worked with the Town of Plaistow to update their Master Plan. Many of the chapter topics were organized by the infrastructure types that make up the architecture of a community. These include built infrastructure (community facilities, transportation, etc.) and natural infrastructure (open space, recreation assets, natural resources, etc.). As part of this effort, RP&D also created a Water Resources chapter that analyzed the character and nature of these resources, identified challenges and opportunities related to water quality protection, and outlined key implementation actions for the Town to pursue in the future. The document incorporates a more visual, 11x17 format, in an effort to make the master plan more engaging and user friendly. To view the plan, please see: [https://www.dropbox.com/s/v12ol0cmz9ts30y/Final%20Plaistow%20Master%20Plan\\_2020.pdf?dl=0](https://www.dropbox.com/s/v12ol0cmz9ts30y/Final%20Plaistow%20Master%20Plan_2020.pdf?dl=0)

### CLIENT REFERENCE

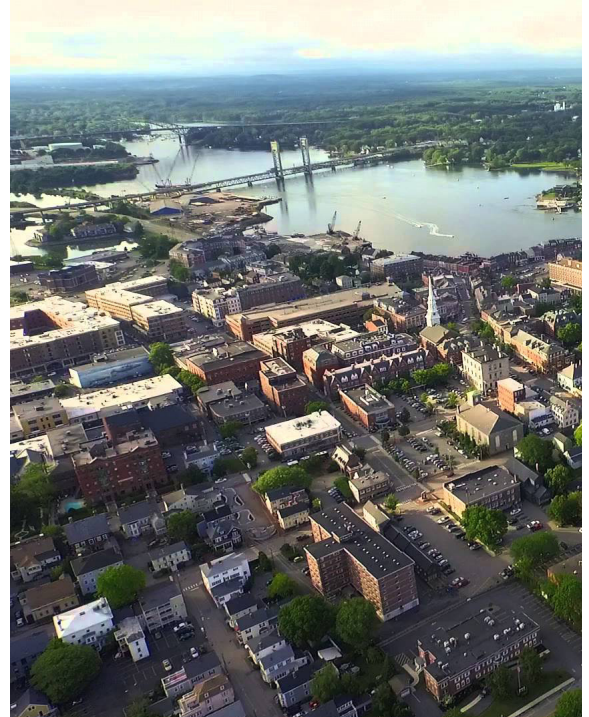
Dee Voss, Administrative  
Assistant of the Planning  
Department  
145 Main Street  
Plaistow, NH 03865  
p: 603-382-5200 X202  
e: [dvoss@plaistow.com](mailto:dvoss@plaistow.com)



# OTHER TOPIC-SPECIFIC PROJECT EXAMPLES

## OPEN SPACE PLAN PORTSMOUTH, NH

In 2018/19, Resilience Planning & Design (RP&D) partnered with the City of Portsmouth, NH to create a municipal Open Space Plan. The purpose of the Plan is to improve public access, increase use and stewardship of, and improve connectivity between open space assets city-wide. Throughout the planning process, RP&D worked with City staff, a Steering Committee, and the public to prioritize undeveloped land for acquisition/protection, create open space stewardship and management guidelines, enhance outdoor recreation facilities and programming, and identify opportunities to improve connectivity between open spaces, trails, and neighborhoods. As part of the planning process, an extensive analysis of natural resources was completed of the City's waterways, wetlands, forests, and more. This Plan was recently featured in the American Planning Association's "Planning" magazine for its innovative approach to open space planning. For more information about the project, please visit: <https://www.cityofportsmouth.com/planportsmouth/open-space-plan>



## TRANSPORTATION STUDIES FE EVERETTE TURNPIKE & I-93, NEW HAMPSHIRE

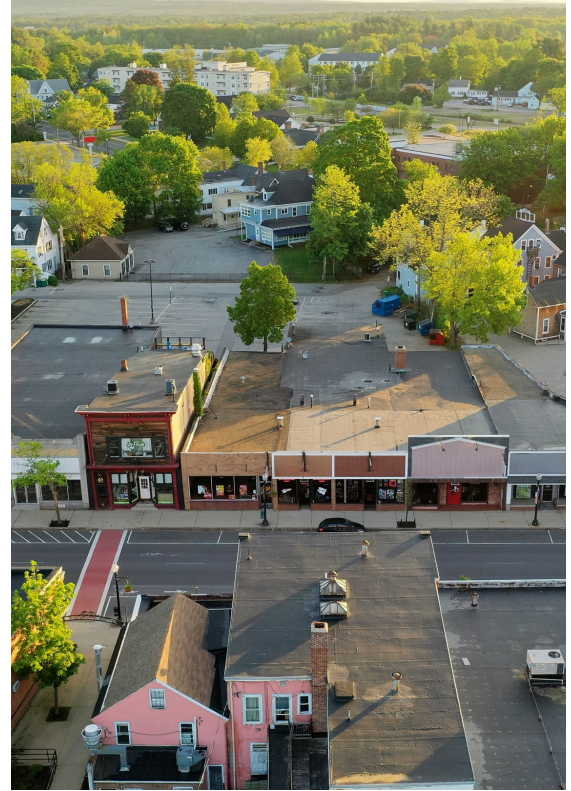
I-93 and the FE Everett Turnpike are the principal north-south arterial highways in southern and central New Hampshire. Resilience Planning & Design (RP&D) participated in the analysis of existing conditions and proposed improvements related to projects planned for both facilities. This analysis of potential infrastructure improvements required evaluation of land use impacts and interaction with a range of stakeholders. Impacts include existing and proposed development, natural resources, integration with transit systems, and other variables. Interviews, focus groups, policy and regulatory audits, and computer mapping were all used to inform the process and eventual design solutions. RP&D studied land use implications along the turnpike and intersecting corridors and documented the wishes of each of the local communities.





## DOWNTOWN MASTER PLAN ROCHESTER, NH

Resilience Planning and Design (RP&D) and Applied Economic Research (AER) partnered with the City of Rochester in 2019 to update their Downtown Master Plan. The Plan was designed to guide future investment and development in the Downtown area, weaving green infrastructure, the arts, transportation systems, urban design, placemaking, and economic development throughout the document. Integrating Downtown infrastructure and coordinating investment in utility upgrades was a large part of the recommendations provided to the City. An extensive community engagement process was created to maximize public involvement across demographics. Outreach techniques included a visual preference survey, an interactive mapping tool, tabling at events, and a community forum. RP&D worked with city staff and an enthusiastic and motivated Steering Committee to create the document and ensure it was authentic to the community's vision and its context. To view the adopted Plan, please see: [https://www.dropbox.com/s/9c71kco9d15lpx6/Rochester%20Downtown%20Plan\\_September%202020.pdf?dl=0](https://www.dropbox.com/s/9c71kco9d15lpx6/Rochester%20Downtown%20Plan_September%202020.pdf?dl=0)



## HOUSING STUDIES JACKSON AND NEWBURY, NH

Resilience Planning and Design (RP&D) secured Municipal Technical Assistance grant funding through Plan NH to work with the Town of Jackson and is now assisting the Town of Newbury to analyze housing characteristics and issues, identify barriers to affordable, diverse housing development, and to devise creative regulatory and non-regulatory housing solutions. RP&D worked with the Town's Planning Boards to assess housing conditions, and analyze housing and related demographic data to identify trends related to population, migration, housing construction, the housing market, rentals, and other trends.



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## RESUMES

Resumes for our team members are included on the following pages.



# STEVE WHITMAN, EdD, AICP

Professional Planner, Designer, & Educator



P: 603.381.1798

E: [steve@resilienceplanning.net](mailto:steve@resilienceplanning.net)

## VOLUNTEER ACTIVITIES

Board of Directors, Root to Rise;  
January 2018 – Present

Alternate, Plymouth Planning  
Board; January 2015 – Present

Member, Plymouth Energy  
Commission; July 2007 – 2017

Board of Directors, Plymouth  
Area Renewable Energy  
Initiative; August 2006 – 2017

Board Member,  
Permaculture Association of the  
Northeast; March 2016 - 2018

Founding Member,  
American Planning Association  
Sustainable Community Planning  
Group;  
2008 - Present

Planner of the Year,  
New Hampshire Planners  
Association; 2012

Eagle Scout, Boy Scouts of  
America

Steve Whitman is a professional planner and educator who has been working in the public, non-profit, and private sectors in New England for twenty-three years. Steve will serve as the project manager and will ensure the project meets the scope and timeline. Steve has been assisting municipalities with comprehensive planning projects throughout his career, and has successfully partnered with others to create dynamic consulting teams tailored to the client's specific project needs. Steve also leads ecological design projects and courses here in the US and internationally. Steve established Resilience Planning & Design to assist communities on comprehensive planning initiatives and on implementation actions that reinforce their vision and future land use plans. His work includes comprehensive planning projects in small towns and large cities, and regional and watershed scale natural resource planning. He is also actively researching municipal green infrastructure planning initiatives in the United States and his work was recently published in Planning Magazine. Steve is also an adjunct faculty member, planning board member, and is active in two regional non-profits.

## EDUCATION

EdD Learning, Leadership and Community.

Plymouth State University, Plymouth, NH; December 2018

M.S. Regional Planning. Concentration: Environmental Policy and Planning

University of Massachusetts, Amherst, MA; May 1998

B.A. Marine Affairs. Concentration: Coastal Zone Management. Minor: Zoology

University of Rhode Island, Kingston, RI; May 1995

Associates Degree: Liberal Arts. Concentration: Math and Science

Dean College, Franklin, MA; May 1993

## CERTIFICATIONS

Permaculture Teacher Certification

Central Rocky Mountain Permaculture Institute, Basalt, CO; September 2009

Permaculture Design Certificate

Crystal Waters Ecovillage, Queensland, Australia; May 2008

## PROFESSIONAL EXPERIENCE

Planning Consultant. Resilience Planning and Design LLC, Plymouth, NH; January 2014 – Present

Founder and Principal of this New Hampshire based planning, ecological design and education firm providing a range of services to clients with a commitment to a more resilient future.

Sustainability Programs Coordinator & Teaching Lecturer. Plymouth State University, Plymouth, NH; January

2004 – Present

Contract staff for the Office of Environmental Sustainability. Currently teaching courses in Environmental Planning, Community Planning, Permaculture and Sustainability in the Social Science Department at the University. Developed and currently offering international field study courses focused on sustainability and permaculture.

Adjunct Professor. Colby Sawyer College, New London, NH; January 2011 – January 2018

Developed and co-taught the College's first Permaculture Design Course. Participants in these courses include Colby students, faculty, and members of the general public. Currently assisting the College with the

development of a Community Based Sustainability major, and collaboration on projects in Franklin, NH.

**Senior Planner. Jeffrey H. Taylor and Associates, Concord, NH; April 2003 – December 2013**

Planning consultant offering facilitation and long range planning services. Projects included design charrettes, climate/energy projects, community and watershed scale master planning, policy audits, and natural resource based planning projects.

**Principal Planner. Office of State Planning, Concord, NH; August 1999 – December 2003**

Responsibilities included coordination and/or participation in major studies and projects dealing with smart growth land use issues in New Hampshire. Responsibilities also included planning the annual conference and other workshop opportunities for planners in New Hampshire; providing technical advice to municipalities and regional planning staff on land use planning related topics; preparing and coordinating the publication and distribution of technical bulletins; writing, administering, and coordinating contracts.

**Regional Planner. Lakes Region Planning Commission, Meredith, NH; December 1997–August 1999**

Provided technical planning assistance and workshops to Lakes Region Municipalities and other interested parties. Provided Circuit Rider Planning Assistance to the Town of Northfield, NH on a part-time basis.



# ELIZABETH KELLY

Ecological Designer & Planner



P: 860.573.6458

E: [liz@resilienceplanning.net](mailto:liz@resilienceplanning.net)

## VOLUNTEER ACTIVITIES

President, Board of Directors.  
Permaculture Association of  
the Northeast  
2017 - Present

Secretary, Plymouth  
Community Garden. Sept.  
2019 - Present.

Elizabeth Kelly is a professional planner and designer who holds a M.S. in Ecological Design and Planning. She has completed a variety of planning projects for municipalities and organizations focused on comprehensive planning, downtown revitalization, natural resource protection, and community resiliency throughout her career. Most recently, Liz has been the project manager for a Master Plan Update in Littleton, NH and has been a team member on several other comprehensive planning projects. Liz was also instrumental in the completion of the recent Rochester, NH Downtown Master Plan. She is formerly the Town Planner for Bristol, NH, a certified permaculture teacher, and is highly skilled in public outreach, group facilitation, graphic design, program development, and plan writing. An adjunct faculty member at Plymouth State University, Liz is also currently the Board chair for the Permaculture Association of the Northeast.

## EDUCATION

M.S. Ecological Design

The Conway School of Landscape Design, Northampton, MA; June 2014

B.S. Interdisciplinary Studies: Sustainability and Ecological Design

Plymouth State University, Plymouth NH; May 2013

*Received Most Outstanding Interdisciplinary Studies student award.*

## TECHNICAL EXPERTISE

- Digital Design: Adobe Creative Suite, Auto CAD
- Permaculture and Ecological Design
- Community Resiliency
- Regional and Municipal Planning
- Natural Resource Planning
- Placemaking

## PROFESSIONAL EXPERIENCE

Project Planner. Resilience Planning & Design LLC. Plymouth, NH. July 2017 - Present.

Provides community planning and ecological design services to municipalities, organizations, and property owners. Relevant project experience includes preparing municipal master planning documents, urban design guidelines, housing studies, site-level master plans, and open space planning documents.

Teaching Lecturer. Plymouth State University. Plymouth, NH. February 2018 - Present.

Develops curriculum and teaches courses in land use planning, ecological design, and sustainability.

Planner. Town of Bristol. NH. July 2017 - May 2018.

Conducted plan review for site plans, subdivisions, etc. Provided technical assistance and support to local land use boards. Drafted land use regulations. Communicated planning processes to the public and applicants. Applied for and managed grants related to historic preservation and transportation planning.

Planning Technician. Southwest Regional Planning Commission. Keene NH. January 2016 - June 2017.

Designed and authored regional and municipal planning documents and policy language. Managed all aspects of a grant funded regional free bike rack program including outreach, budget management, and fostering relationships with funding recipients. Produced graphics, maps, promotional materials, plans, and publications for a variety of projects.

# ZAK BROHINSKY

GIS Technician



Zak Brohinsky is a skilled GIS technician and has significant experience in GIS analysis and data management. Zak has an understanding of complex environmental and social interactions and has the capacity to convey spatial information effectively to a broad audience. With a background in applied land conservation, Zak has worked with federal and state agencies, private entities, and non-profit organizations. In addition to performing GIS analyses for Resilience Planning & Design, Zak provides mapping and land analysis support to a land trust and develops natural disaster risk assessments for local, state and international clients. Zak is also a GIS instructor at the university level and is the current Board President of the Plymouth Area Renewable Energy Initiative.

P: 860.559.1488

E: zak@resilienceplanning.net

## VOLUNTEER ACTIVITIES

President of Board of Directors. Plymouth Area Renewable Energy. Mar. 2019 - Present.

Member of Board of Directors. Plymouth Area Renewable Energy Initiatives. Jan. 2015 - Present.

Advisory Committee. Local Foods Plymouth. May 2013 - Present.

## EDUCATION

M.S. Conservation Biology & Planning  
University of Massachusetts, Amherst MA; 2011

B.S. Cultural Ecology and Sustainability  
Plymouth State University, Plymouth NH; 2009

## CERTIFICATES

Professional Certificate. Hazus-MH for Flood. FEMA Software.  
Emmitsburg, MD; April 2018

## PROFESSIONAL EXPERIENCE

GIS Technician. Resilience Planning & Design LLC. Plymouth NH.  
June 2019 - Present.

Provide GIS and technical support for planning projects with state, municipal, private and non-profit partners. Prepare maps and imagery, collect, process and analyze project data, and assist with facilitation of GIS and data-related topics during stakeholder engagement.

Adjunct Faculty. Plymouth State University. Plymouth NH. January 2013 - Present.

Develops and teaches undergraduate curriculum in GIS foundations and advanced topics with focus in applied land protection and environmental research projects.

Conservation Mapping & Field Specialist. Squam Lakes Conservation Society. Holderness, NH. July 2013 - Present.

Prepares baseline documents, maps, and all spatial needs related to land conservation transactions and maintains the geographic database for the Squam Lake Watershed.

GIS Specialist. Sobis, Inc. January 2017 - Present.

Provides geospatial and GIS expertise in the field of natural disaster risk management for domestic and international clients.

Contractor. Geolink. Rumney, NH. May 2015 - Present.

Prepares baseline documentation reports as part of land conservation transactions for regional conservation groups in the northeast. Prepare required maps and conduct data collection and field work for certified forestry operations in VT and NH.

Program Coordinator. Plymouth Area Renewable Energy Initiative. September 2011- 2014.

Organized, implemented, and marketed energy efficiency workshops throughout New Hampshire on behalf of state utilities. Acted as liaison between utilities to prioritize workshop locations.



