UConn TAB

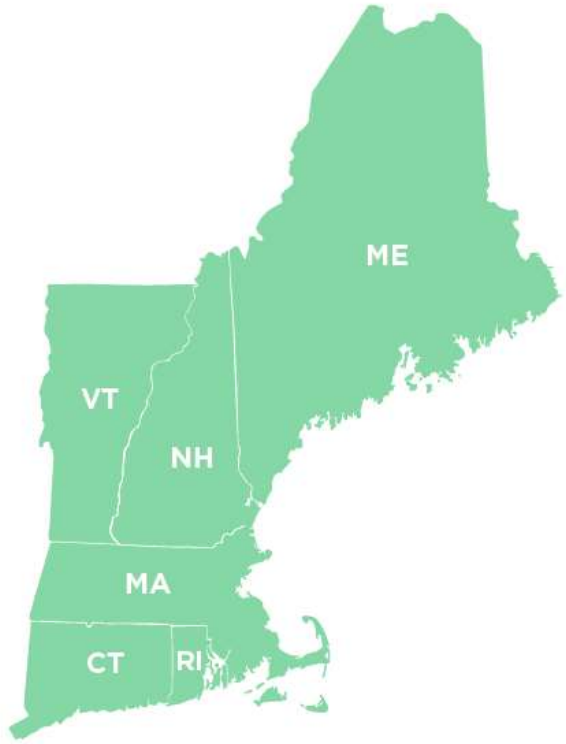
UConn TAB

May 7, 2025

What is UConn TAB

Technical Assistance to Brownfields

- provides technical assistance to communities, states, Tribal Nations and other public entities
- help address their brownfield sites and to increase their understanding and involvement in brownfields cleanup, revitalization and reuse.
- TAB is available at no cost to communities.
- UConn TAB serves Region 1(New England)



Equal Distribution of Resources in all 6 New England States and Tribes

MEET OUR TEAM

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New Partnership

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NEW ENGLAND RURAL HEALTH ASSOCIATION (NERHA)

UConn TAB Partner – Rural Outreach and Engagement

NERHA supports UConn TAB by serving as a link between rural communities and technical experts. This helps foster collaboration among communities and municipalities, ensures public health considerations are included in Brownfield assessment and cleanup, and strengthens local capacity to address these challenges.

For over 25 years the New England Rural Health Association (NERHA) has served as the state rural health association for the six New England states. We are a non-profit organization dedicated to advancing rural health. NERHA provides education, training, consulting, and advocacy in support of the rural health organizations and individuals in our region.

Connect with Community Hubs: Libraries, Health Center, State Offices Of Rural Health (SORHs), Rural Caucus

Conduct Individual Outreach: MAP 2025
30+ Municipalities reached

NERHA Reach, By The Numbers:
- ✓ 10,000+ People Served by NERHA Programs
- ✓ 100+ Partner Organizations Across New England
- ✓ 300+ Communities Impacted
- ✓ 550+ Members
- ✓ 5,500+ Mailing List

Stay Connected With Us:
- ✓ Nerha.org
- ✓ Join our Newsletters
- ✓ Read *"Rural Roots"*
- ✓ Become a Member

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REGION 1 TECHNICAL ASSISTANCE TO BROWNFIELDS

ASBESTOS

Asbestos is a common contaminant in brownfield sites that co
buildings built before the 1980s. Some examples include but a
limited to school buildings, municipal offices, and industrial sit
Left intact and undisturbed, the presence of asbestos is not ha
but once disturbed, asbestos fibers can be released into the ai
posing health risks. Due to the significant hazards posed by
Asbestos, it is regulated under special federal laws that regula
reporting, testing, cleanup, and disposal of these materials.

ABATEMENT PROCESS

During the abatement process, asbestos-containing materials are safely and
completely removed or encapsulated. The process is regulated by various fe
state, and local regulations and is undertaken by trained and certified profes

The asbestos abatement process is a multi-step procedure
to minimize exposure risks. Here's a simplified breakdo

PREPARATION:
A qualified professional develops a detailed abatement pl
the scope of work, containment measures, and worker sa
protocols.

CONTAINMENT:
The work area is sealed off using plastic sheeting and ne
pressure machines to prevent asbestos fibers from sprea
other parts of the building.

REMOVAL OR ENCAPSULATION:
Depending on the chosen method, trained workers remov
encapsulate the asbestos-containing materials using spe
tools and wet methods to minimize dust generation.

CLEANING AND CLEARANCE:
Following the removal or encapsulation, the work area is
cleaned using HEPA vacuums to remove any residual ast
fibers. Air quality testing is conducted to ensure asbestos
below safe limits before the containment area is dismant

DISPOSAL:
Asbestos waste must be disposed of in specially licensed
following strict regulations.

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PCBs

Polychlorinated Biphenyls (PCBs)

PCBs are synthetic chemicals once used in electrical equipment, caulks, paints, and other construction materials, and are a common contaminant at brownfield sites. Even though they were banned in the U.S. in 1979, PCBs still linger in the environment, posing ongoing health and environmental challenges.

Environmental Impacts:

Water Contamination: Industrial dumping and wastewater runoff allows PCBs to settle into waterways by binding to sediments thus, contaminating fish. Soil Pollution: Landfills, dumping site, leaking electrical equipment and dust/debris from building materials can cause chemicals to leach into the surrounding soil. This can pose risks to crops and livestock.

How are PCBs Impacting Rural Communities?

Fishing and Waterways: PCBs in rivers like the Housatonic River (MA/CT) and Penobscot River (ME) have led to long-term contamination of ecosystems, killing wildlife, and making fish unsafe to eat.

Agriculture: Farms located near industrial sites or old landfills may have PCB contamination in soil from dust or runoff, which can impact crops & livestock.

Schools and Homes: Many older schools and homes still contain PCB-laden building materials. When these materials deteriorate, they release PCBs into the air, creating potential health risks.

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PFAS

(PER- AND POLYFLUOROALKYL SUBSTANCES)

PFAS contamination at brownfield sites is a major concern due to past industrial activities, the use of firefighting foams (AFFF), and improper disposal of manufacturing waste. These synthetic chemicals were used for their resistance to heat, water, and grease. Often called "**forever chemicals**", PFAS do not break down easily in the environment and can accumulate in the human body over time, posing significant health risks. This contaminant is regulated under special federal laws that specify standards for reporting, testing, cleanup, and disposal of these materials.

REMEDIATION STRATEGIES

During the remediation process, PFAS-contaminated materials and water can be safely treated, removed, or contained to prevent further environmental and human exposure. The process is regulated by federal, state, and local standards and is conducted by trained and certified professionals using approved technologies and methods.

Here's a simplified breakdown of the Remediation Process:

SITE ASSESSMENT:
Identify and evaluate the extent of PFAS contamination through soil and groundwater testing.

RISK EVALUATION:
Assess potential health and environmental risks to determine the urgency and scope of remediation.

CONTAINMENT MEASURES:
Implement barriers or caps to prevent the spread of contamination, especially in groundwater.

TREATMENT TECHNOLOGIES:
Use methods like activated carbon filtration, ion exchange or thermal destruction to remove or destroy PFAS.

LONG-TERM MONITERING:
Continuously track contaminant levels to ensure remediation effectiveness and maintain safety

REGULATORY COMPLIANCE:
Identify and evaluate the nature and extent of PFAS contamination through soil and groundwater testing.

PFAS: A synthetic, man made compounds used as emulsifiers for construction. With over 200 different compounds, PFAS is an emerging contaminant because of their widespread presence, persistence in the environment, and growing evidence of potential health and ecological risks.

Examples: Firefighting Foams (AFFF) – Used at airports, military bases, and industrial sites.
Manufacturing Waste – From industries producing nonstick coatings, water-resistant fabrics, and electronics.
Landfill Leachate – Contaminated runoff from disposed consumer products.
Wastewater Treatment Facilities – Effluent and biosolids can contain PFAS.

PFAS Federal Regulations:
EPA, TSCA, CERCLA, FDA

HEALTH RISKS

PFAS exposure has been linked to:

Cancer (kidney, testicular)
Liver Damage
Immune System Suppression,
Thyroid Disease
Reproductive and Developmental Issues

EPA BANS ONGOING USES OF PFAS

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UConn TAB Services are FREE!

- Direct Technical Assistance
- Municipal Assistance Program
- Continuing Education
- Community Engagement

Technical Document Review	• Review of Environmental Site Assessment Reports, Remedial Action Plans, Planning Documents
Brownfields Proposals Review	• EPA Brownfields proposals (assessment, cleanup, multipurpose, RLF) and State Program proposals
Access to Resources & Procurement Support	• Fact sheets, example proposals, RFQ/RFP review, and documents
Quick Availability	• Answer Technical Questions

tab.program.uconn.edu/procurement-service/

Congratulations on Your Brownfield Grant Award!

Now that you have a brownfield grant, one of your first tasks is **hiring a QEP** to help you implement the grant's scope of work. You may be anxious to get your project moving as soon as possible, but...**Don't Rush This Important Step!**

We recommend you **take your time to prepare an excellent Request for Proposal (RFP)**. This will ensure you don't inadvertently violate federal rules, which can have serious consequences. Moreover, a good RFP will tell prospective QEPs that you know how to run a good project and encourage them to submit proposals. If this is your first time procuring the services of an environmental professional, the process may seem overwhelming. Fortunately, there are numerous resources available to help.

UConn TAB can provide several services to help you with your procurement process. Although we cannot write your RFP, we can:

- Meet early to discuss your project objectives, strategies for procurement and desired QEP qualifications
- Provide RFP templates and examples
- Review your draft RFP, attachments, and related documents
- Suggest QEP scoring criteria and selection procedures

If you are interested in learning more or getting started, follow the steps below!

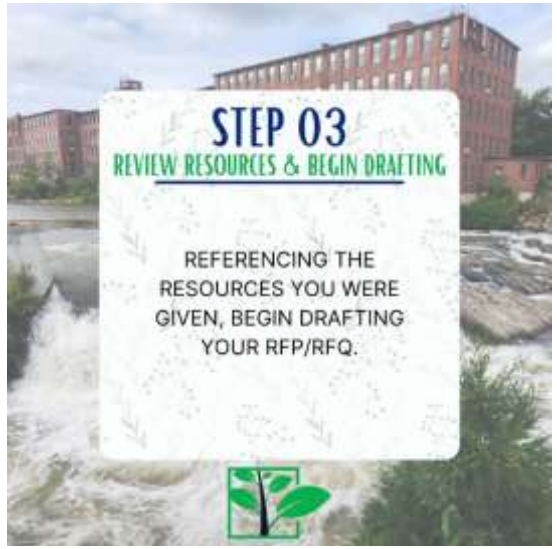
Step 1

Step 2

Step 3

Step 4

tab.program.uconn.edu/procurement-service/



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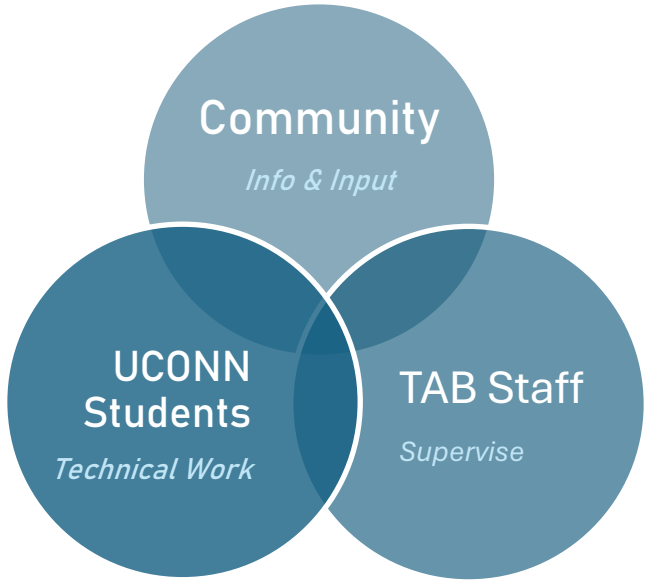


Sep-Dec → Jan-April → May-Aug

EPA Brownfields Grant Support

Target Area and Brownfield Site Description

Community Need (Demographics, EJSCREEN data)

TECHNICAL SUPPORT

Brownfield inventories

Data Review and Gap Analysis for brownfield sites

Grant Preparation

Site reuse planning

Community Engagement Planning and Materials

CONNECTICUT

MUNICIPAL ASSISTANCE PROGRAM SITE VISIT

3 Walnut Avenue, 1 & 13 Watrous Street and 13 Summit Street - East Hampton, CT

UConn TAB | Demian Sorrentino

UConn TAB Intern | Aaron Hinze

Students | Christopher Anderson

Community | Ryan Baldassario, David DeCrescente, David Cox

Spring MAP - Site Reuse Assessment (SRA)

UConn TAB visited the Town of East Hampton, CT. They toured the brownfield sites at 3 Walnut Avenue, 1 & 13 Watrous Street, and 13 Summit Street. UConn TAB is working on a Site Reuse Assessment for these properties, where Town officials are interested in exploring concepts for additional recreational amenities, mixed-use space and multi-family housing, including much-needed affordable units.

MARCH 7, 2025

MASSACHUSETTS

MUNICIPAL ASSISTANCE PROGRAM SITE VISIT

70 Maple Street - East Longmeadow, MA

UConn TAB | Demian Sorrentino,

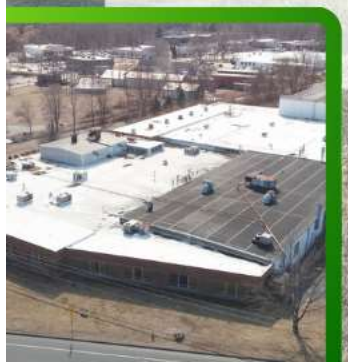
UConn TAB Intern | Dominic Anziano

Students | Sophia Gagnon

Community | Rebecca Lisi

Spring MAP | Site Reuse Assessment (SRA)

UConn TAB visited the Town of East Longmeadow. They toured the former Carlin Combustion Technologies brownfield site at 70 Maple Street. UConn TAB is working on a Site Reuse Assessment for these properties, where Town officials are interested in exploring concepts for mixed-use development including much-needed affordable housing, commercial/retail space, recreation amenities to compliment the adjacent Redstone Rail Trail and municipal parking for the Town Center district.



MARCH 13, 2025

BROWNFIELD INVENTORY

- Reported Releases
- Site Reconnaissance
- Tax Delinquency
- Sanborn Maps
- Known Sites
- Existing Brownfield Lists

Site Name	Site Size (acres)	Opportunity Zone
Address	Current Zoning	EJ Community
Zip Code	Current Owner	Past Uses
Assessors Card ID number	Owner Type	Public Utilities
Parcel Number	Tax Payment Status	Parking Spaces
Redevelopment Status	Existing Buildings	Available Site Documents
Site Type	FEMA Flood Zone	EPA Grant Eligibility
Site Source	LUST Designation	Possible Contamination
Wetlands	Vulnerability Index	

Record Review

Summit Casting

ACREAGE: 1.69

OWNERS: Morse Street Realty Corporation

LAND USE: one-to-two story industrial facility

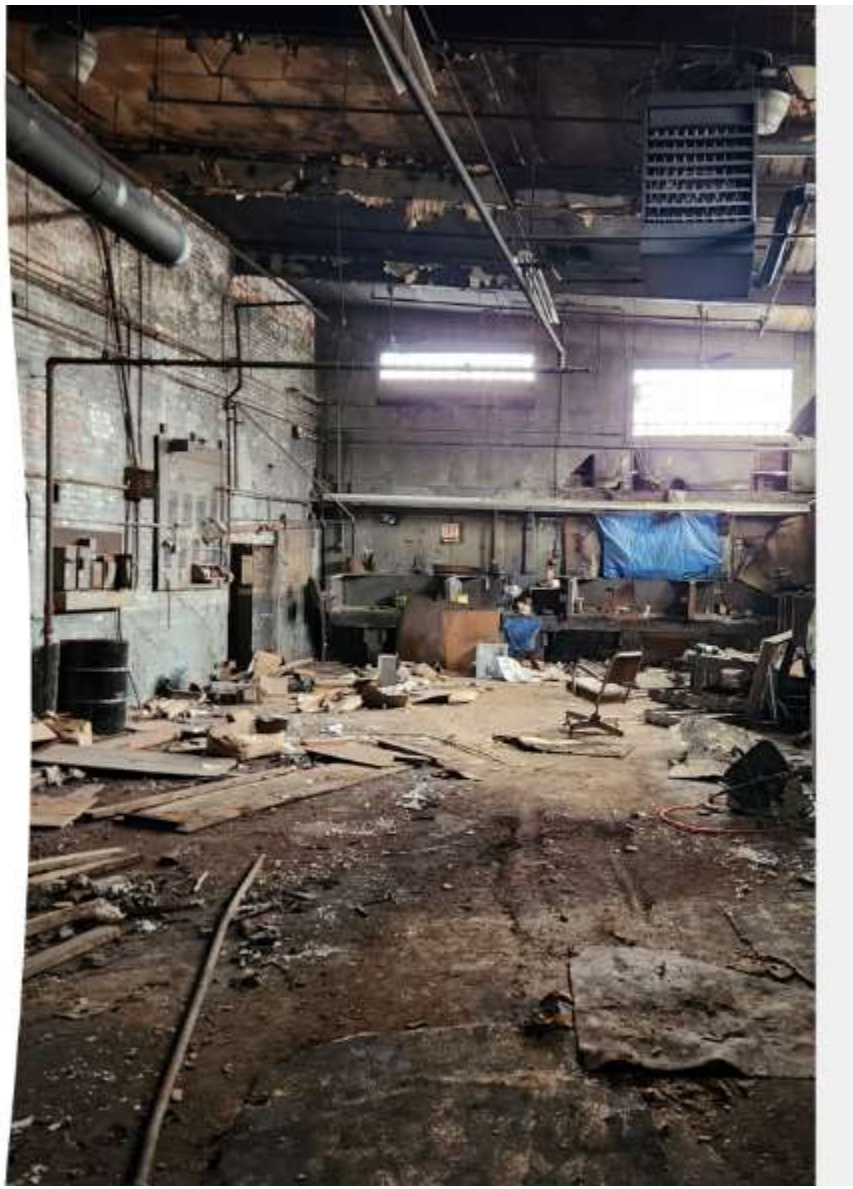
HISTORICAL USE: mold design, sand mold fabrication, casting, machining castings, storage, shipping & receiving

CURRENT USE: abandoned

- parties

PARCEL ID: 149-008-000

- "Parcel 8"



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REGION 1 TECHNICAL ASSISTANCE TO BROWNFIELDS

SITE REUSE ASSESSMENT PROJECTS

GOAL: Identify potential reuse options for the brownfield based on the community's vision and other site and surrounding area conditions

Provides a full evaluation of the opportunities, constraints and range of redevelopment possibilities related to the reuse of a brownfield site.

Property Information
- Ownership
- History
- Tax status
- Occupancy
- Zoning
- Environmental Considerations

Opportunities & Constraints
- Useable Acreage
- Viability
- Accessibility
- Structure
- Infrastructure
- Utilities
- Neighboring Land Use

Community
- Strengths & Weaknesses
- Expectations

Market
- Local Economy
- Regional Economy
- Demographics
- Land Availability

- Site characteristics and needs
- Area economy and demographics
- Physical, environmental conditions
- Applicable regulations
- Real estate market conditions

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UConn TAB Services are FREE!

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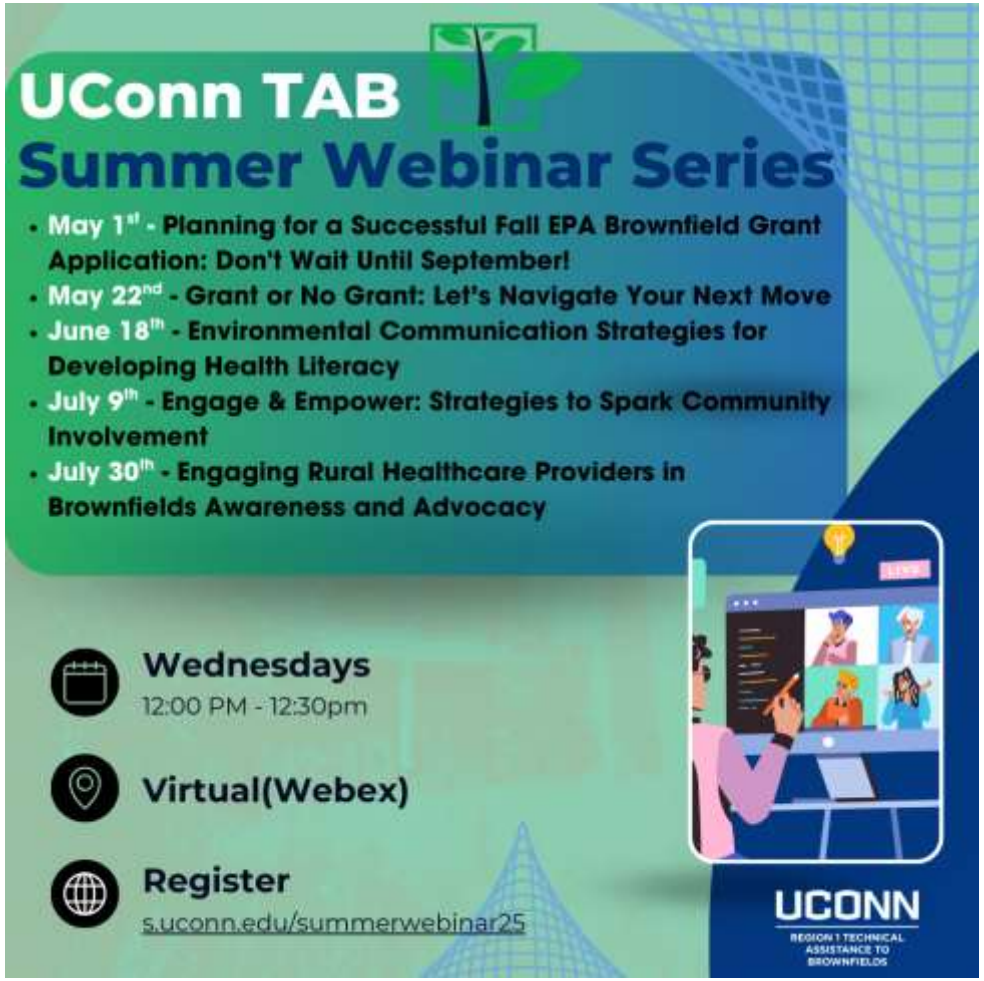
Spring Webinars

- Jan 29th Brownfield Redevelopment & TAB Services
- Feb 19th Brownfields: Exploring Disproportionate Environmental Impacts on Communities
- Mar 11th Community Engagement in Aging Communities
- Apr 16th Using Brownfield Funding for Local Planning (A Planner's Perspective)
- May 1st Planning for a Successful Fall EPA Brownfield Grant Application: Don't Wait Until September!
- May 22nd Grant or No Grant: Let's Navigate Your Next Move



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Brownfields

brown•field/noun
a property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant.
- US EPA

TAB REGION 1

DO YOU HAVE A BROWNFIELD IN YOUR COMMUNITY?

- ☐ DOES YOUR TOWN/CITY HAVE AN INDUSTRIAL HISTORY?
- ☐ DO YOU HAVE ANY BUILDINGS BUILT BEFORE THE 1970S?
- ☐ DO YOU HAVE SITES THAT ARE ABANDONED OR BLIGHTED?

Examples: old mill buildings and industrial sites, old gas stations, public & commercial buildings, agricultural land and facilities, metal salvage yards and illegal dumping sites, and dry cleaners

✓ YES, MY COMMUNITY HAS OR LIKELY HAS BROWNFIELD SITES AND I NEED SUPPORT WITH:

- **JUST GETTING STARTED AND IDENTIFYING SITES**
- **DEVELOPING A PLAN FOR REUSING A BROWNFIELD SITE**
- **INFORMING THE COMMUNITY**

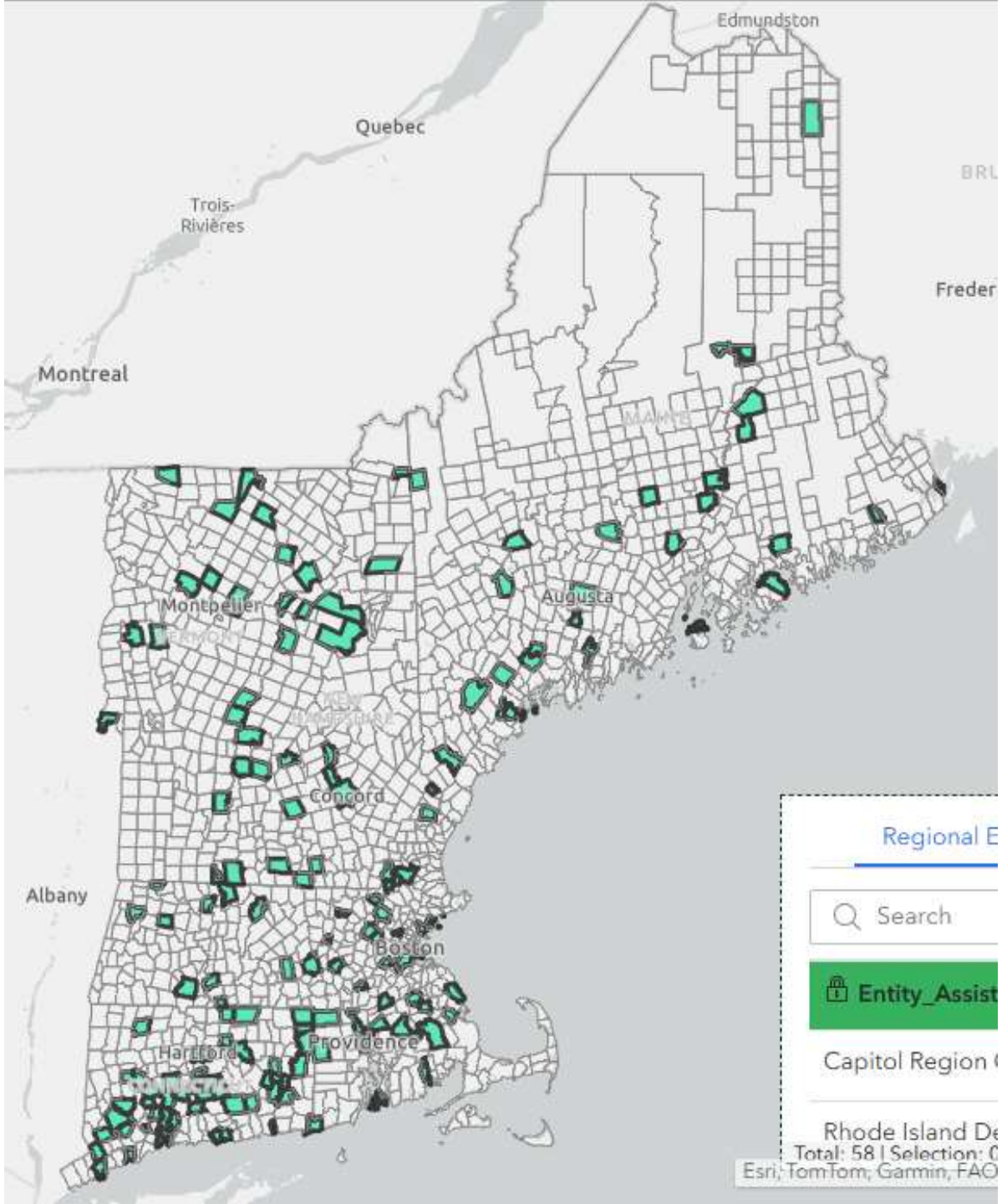
UConn TAB SERVICES

- Direct Assistance
  - Answer Questions
  - Virtual Consultation
  - Technical Doc Review
  - Access to Resources
  - Webinars & Workshops
- Municipal Assistance Program
  - Brownfield Inventory
  - Site Reuse Assessment
  - Record Review
  - Data Gap Analysis
  - Community Engagement
- Grant Support
  - State Grant Review
  - EPA Grant Review
  - Grant Data Support
  - Fall MAP EPA Grant Prep
- Procurement
  - Intro Meeting
  - RFP Templates
  - RFP Examples
  - Review & Feedback

- **FINDING FUNDING FOR ASSESSMENT AND CLEANUP OF BROWNFIELDS**
- **HIRING ENVIRONMENTAL PROFESSIONALS**

Send us an email, follow us on LinkedIn, and/or Join our Newsletter to stay informed!

Communities Served



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TECHNICAL ASSISTANCE TO BROWNFIELDS EPA REGION 1

ANNUAL IMPACT 2024

UCONN
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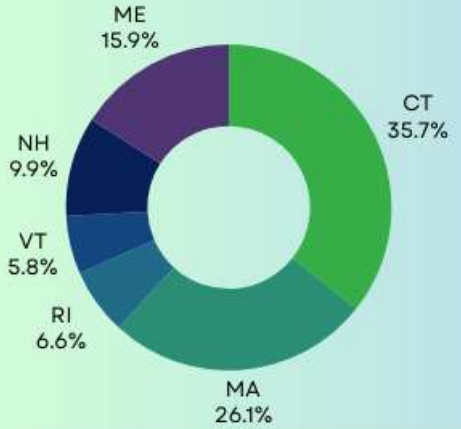
COMMUNITY WIDE DISTRIBUTION & SUPPORT

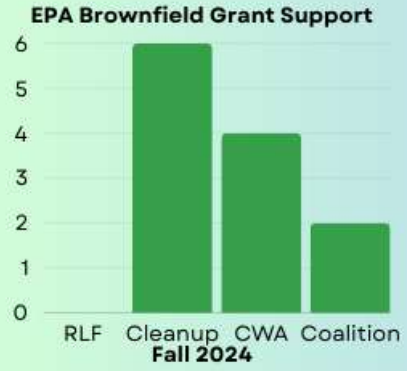


2024 Webinars

- SEEDS Framework
- Stakeholder Analysis
- Procurement Services
- SWOT Analysis
- Past EPA Brownfield Grantees Panel
- Cleanup Grant Tips and Tricks
- Coalition Grant Tips and Tricks
- EPA Grants & Community Engagment
- Public Health Data (Asthma)
- Displacement Strategies
- EPA Grant Office Hours

2024 MUNICIPAL ASSISTANCE PROGRAM

51 PROGRAM PARTICIPANTS



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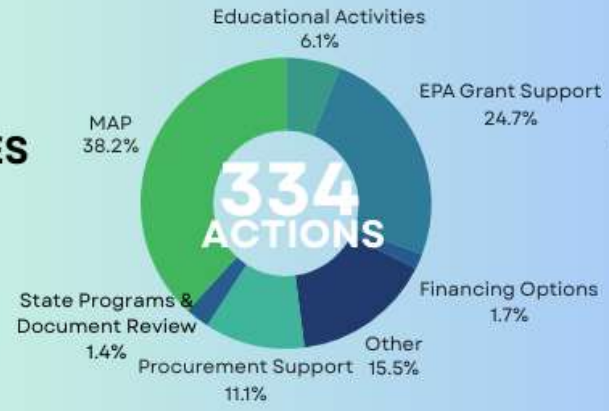
COMMUNITIES RECEIVED DIRECT TECHNICAL ASSISTANCE



40% INCREASE IN TA SUPPORT FROM 2023

FY25 EPA MAC GRANT REVIEWS

"We could not have put together a competitive grant application without UConn TAB!"

"UCONN TAB faculty, staff, and interns have provided outstanding technical assistance whenever asked. An incredible resource for our region!! "

Upcoming Events & Efforts

- Funding Maps
- Maps of Open Grants
- New Student Interns this summer
- New cohort of MAP participants representing all 6 NE states
- Updates to website to showcase past projects