



**SELECT BOARD
AGENDA
Tuesday, May 7, 2024
7:00pm**

Rich Maiore, Kara McGuire Minar, Don Ludwig, Charles Oliver, SusanMary Redinger

Pursuant to Chapter 2 of the Acts of 2023, An Act Making Appropriations for the Fiscal Year 2023 to Provide for Supplementing Certain Existing Appropriations and for Certain Other Activities and Projects, and signed into law on March 29, 2023, this meeting will be conducted via remote participation. Interested individuals can listen in and participate by phone and/or online by following the link and phone number below.

UpperTH ProWebinar is inviting you to a scheduled Zoom meeting.

Topic: Select Board

Time: May 7, 2024 07:00 PM Eastern Time (US and Canada)

Join Zoom Meeting

<https://us02web.zoom.us/j/81510512284?pwd=TOFBOVZvakVDSHFVN05nWFIOU1pEUT09>

Meeting ID: 815 1051 2284

Passcode: 070876

One tap mobile

+13092053325,,81510512284# US

+13126266799,,81510512284# US (Chicago)

Dial by your location

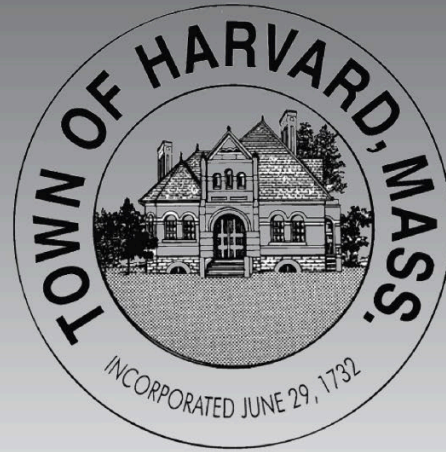
Find your local number: <https://us02web.zoom.us/u/kepwolGxdd>

AGENDA ITEMS

- 1) Climate Initiative Committee update on action plan, discuss membership, assessment form/process and plans for fall town meeting. (7:00)
- 2) Bare Hill Pond Watershed Management Committee update (7:15)
- 3) Water Connection project public communication (7:30)
- 4) Public Communication (7:45)
- 5) Staff Report/Updates (7:50)
- 6) Action/Discussion Items: (8:00)
 - a) Vote on Lease of Land for Wireless Communications Tower
 - b) Act on the Fire/EMS department merger and appointment of Director
 - c) Act on opioid abatement fund projects
 - d) Discuss open meeting law complaint
 - e) Prep for Strategic Planning Session
- 7) Select Board Reports

***Next Regular Select Board Meeting
Tuesday, May 21, 2024
7:00pm***

HCIC Status Report to Select Board – May 2024



CLIMATE ACTION PLAN 2022

Accomplishments with Grant Dollars

- ✓ MVP grant award for bylaw development
 - Open Space Residential Development – passed Town Meeting
 - Tree clearing as part of Erosion bylaw – in process for fall Town Meeting
 - Wetlands bylaw update – in process for fall Town Meeting

- ✓ MVP grant for land purchase by Open Space Committee

- ✓ Nashua River Wild and Scenic Stewardship Council
 - Invasive Species Management, Information and Tools
 - In collaboration with Harvard Conservation Commission

- ✓ Community Foundation North Central Massachusetts
 - Going Green Flag Project

Pursuit of Grant Dollars

✓ Drafted a Grant Seeking Plan

- Met with MRPC

✓ Grant Opportunities:

- MVP FY25 application round (state)
- Renew America Schools (federal) (Could be used by HEAC to update/decarbonize Bromfield's heating and cooling systems)
- Green Communities Climate Leaders (if we pass specialized code)
- Others identified by State's Federal Grant Office

Committee Accomplishments

✓ Household Changes 2023

- 46 installed solar panels
- 29 installed air source heat pumps, 5 installed ground source
- 25 EVs and 4 EV plug in hybrids

✓ Educational

- Meet Heat Pump Coaches – January 20
- Rooftop Solar, Battery Back-Up, and Solar Farms – February 6
- Know Your Land Series: CR and Chapter 61 – February 13
- Climate Stories Event - HC2 led by Bromfield Green Team student – March 2
- Jane Flegal - Intersection of science, innovation and social outcomes - April 23
- Know Your Land Series: Forest Management/Invasive Species - May 4

2024 Upcoming

✓ Upcoming Events

- En-ROADS Climate Simulator – May 29
- Heat Pump Coaches – June 15
- Know Your Land: Neighborhood Land Coaching

✓ Newsletter Continues

- More than 30 publications covering Solar, Heat pumps, Insulation, Food Waste, Electric Vehicles, Pollinator Gardens, Ground Water, Buy Local, Plastics, Investing, MART Service, Preparedness, Decarbonization as well as national and local news highlights

✓ New website under development to launch this summer

What can the Select Board do to help?

- ✓ Implement All Aspects of the Town Climate Resolution
 - Be strong vocal and visible advocates for addressing climate change
 - Direct boards and committees to work with HCIC on the CAP implementation
 - Prioritize climate considerations for municipal building projects in the beginning of the planning process

- ✓ Implement the Climate Assessment Process
 - Adopt the proposed HCIC checklist to evaluate climate impacts that is transparent
 - Approve implementation with Admin, Boards and Committees
 - Work with new Town Administrator to put the process in place

- ✓ Support the Adoption of:
 - Specialized Stretch Code
 - Tree Clearing Erosion Control Bylaw
 - Wetlands Protections Updated Bylaw

What can the Select Board do to help?

✓ Approve HCIC Membership Changes

- Request to move Staci Donahue to full membership
- Request to approve Mario Cardenas as Associate member

✓ What does the Select Board see as its role to further the goals of the Climate Action Plan?

Climate Initiative Committee Members

- ✓ Staci Donahue – Associate
- ✓ Rich Marcello
- ✓ Sharon McCarthy
- ✓ Pat Natoli – Associate
- ✓ Deborah O'Rourke
- ✓ Ellen Sachs Leicher
- ✓ Christiane Turnheim
- ✓ Lucy Wallace

Thanks to prior members:

Adam Meier
Jefferson Burson
Jaye Waldron
Brian Smith

Town of Harvard

Climate Change/Environmental Assessment Form

Committee/Board/Department: _____

Project/Plan/Acquisition/Policy Name: _____

Date: _____

Completed by: _____

Phone/Email Contact Information: _____

Background: As we look to the future, we have the opportunity to consider and address the impacts of town projects, acquisitions, plans or bylaws on the environment, climate change mitigation, and resilience. Advance planning often offers the most cost-effective solutions compared to retrofits or rework at a future date.

The primary goal is to enable decisions that are sustainable. The purpose of this form is to help assure that: 1) environmental and climate change factors are considered in decision making, 2) designs of projects and acquisitions are considered early for potential funding; 3) adverse effects are considered, managed, and addressed to the extent practical, and 4) public participation is sought and addressed.

Form: Please complete this form and submit it for review and discussion at a public meeting that should be held on any projects and acquisitions over \$__ (proposed \$20K), or plans and bylaws that will require future town vote. This fulfills an action item in accordance with the adopted Town Resolution on Climate Change. The completed form is to be posted on the town website as part of the agenda of the Committee/Board/Town Department's public meeting related to projects, acquisitions, plans or bylaws to be brought to town meeting for a vote. Please submit to Julie Doucet (jdoucet@harvard-ma.gov) for posting on the Town website.

This information will inform other Committees/Boards/Town Government and the Public facilitating feedback on choices that your Committee/Board/Department takes into consideration. It ensures opportunities for environmental protection, renewable energy sources, reuse and resiliency and other factors noted below are considered in decision-making. It also provides transparency regarding what was considered as part of the decision-making.

1. Briefly describe the project, plan, acquisition or policy for which this assessment is being conducted?

2. Please describe any potential climate related or environmental impacts or considerations associated with the project, acquisition or plan or bylaw. What choices were made to reduce environmental and climate related impacts (e.g., alternative designs, locations, enhanced polices related to climate or the environment, shared resources etc.)?

Things to address in your response:

- Greenhouse gas impacts
- Energy – fossil fuels, electrification, solar, battery storage
- Water usage, drainage and water runoff
- Biodiversity in terms of plant and animal impacts/native v. invasive species
- Tree and soil impact/disturbance/removal
- Toxicities of materials/hazardous waste
- Traffic
- Other, please note

If there is expected harm, how will it be mitigated or reduced?

3. If a project or acquisition, what is the expected life? What, if any, are the options for the decommissioning disposal, reuse, resale or recycling during and at the end of that life span?

January 2024

4. Please describe any resiliency and/or hazard-mitigation opportunities that are a product of this project acquisition, plan or bylaw? For example, will there be reduced flooding, reduced power outages, drought response. (You can review the Harvard Hazard Mitigation Plan at https://www.harvard-ma.gov/sites/g/files/vyhlf676/f/news/harvard_mitigation_plan_2022.pdf)

5. Please share any other relevant information.



Update

Bare Hill Pond Watershed Management
Committee

Select Board Meeting May 7, 2024

Where We Left Off in November

- Pumphouse Inoperable Due to Failed VFD Drive
- Notice of Intent for Winter Drawdowns under Review by DEP and not in place for 2023-24
- Resurgence of invasive species due to pump failures during past few years without annual draw downs
- Beach at risk of closure
- Uncertain sources of funding for
 - VFD drive repair
 - Addressing Beach and other spot locations for 2024 Summer

Progress since November

- Multiple Meetings with DEP leading to approval of Notice of Intent and Order of Conditions – January
- VPD Project (and critical spare parts purchase) and Beach invasives removal funded by Select Board with ARPA funds - February
- Contract awarded to complete VPD repair in April/May
- Bids sought and contract signed for Diver Assisted Suction Removal Demonstration Project at Beach in June and August – March
- Notice of Intent for DASH filed February – Expected May 2
- Submit [Watershed Management Plan](#) to DEP for Grant Eligibility
- \$7500 Grant from Nashua, Squannacook, and Nissitissit Rivers Wild & Scenic Stewardship Council - March

The Beach



Next Steps

- Leverage ARPA Funding

Federal Funds via MassDEP	\$146,500	
Non-Federal Match	\$ 132,609	% of the Total Budget Cost <u>47.5%</u>
Total Project Budget	\$279.109	

- Apply for a 319 Grant this month to fund (Draft Application Attached)
 - No match is required but Town funding after Oct 23 counts as match
 - DASH treatment in 2025 (4 weeks) to
 - Cover beach again if needed
 - Expand to Boat ramp and marina
 - Expand to other spot areas adjacent to Town conservation properties
 - Education and Outreach Programs on Watershed Management 2025-26
 - Pond workshops and webinars
 - Sharing Notice of Intent and Order of Conditions for residents to engage a DASH contractor

Questions and More Information



MASSACHUSETTS
watershed-based plans

WATERSHED-BASED PLAN

Bare Hill Pond
HARVARD, MA

April 3, 2024

Prepared By:
Bare Hill Pond Watershed Management Committee
13 Ayer Road
Harvard, MA 01451
Contact: Bruce Leicher, Chair
Bruce.Leicher@aol.com

Prepared For:
 **MassDEP**
Department of Environmental Protection

The image shows the cover of a report titled 'Watershed-Based Plan' for Bare Hill Pond in Harvard, MA. The cover features the Massachusetts Watershed-Based Plans logo at the top left, which consists of three interlocking circles in blue, green, and brown. Below the logo is a photograph of a pond with a blue sky and trees reflected in the water. To the right of the photo is a graphic of three interlocking circles in blue, green, and brown, with a green leaf inside the green circle. The text on the cover includes the title 'Watershed-Based Plan', the location 'Bare Hill Pond, Harvard, MA', the date 'April 3, 2024', the preparer 'Bare Hill Pond Watershed Management Committee', and the MassDEP logo at the bottom.



RESPONSE FORM
§319 NONPOINT SOURCE POLLUTION GRANT PROGRAM
RFP#: BWR-RFP-FFY2023-2024-319-GRANT CYCLE

Administrative Summary

RESPONDENT - Town of Harvard, Bare Hill Pond Watershed Management Committee
 Attn: Committee Chair, Bruce Leicher
Address – Town Hall, 13 Ayer Road, Harvard, MA 01451

Telephone - 617-417-0892 **Facsimile** - none **Email Address** – bruceleicher@aol.com

PROJECT TITLE – **Capital Upgrades, Spot Invasive Plant Removal and Community Education that Continue Implementation of the Bare Hill Pond Watershed Management Plan**

WATERSHED(S)/SUBWATERSHED(S) SERVED BY THIS PROJECT –

Bare Hill Pond Watershed, Harvard, Massachusetts (MA81007)

PROJECT TYPE(s) - see Section 2. A response may encompass more than one project type.

- A. Implementation**
 - Implementation Projects to Restore Category 4a, 4c, or 5 Impaired Waters
 - Implementation of Healthy Waters Protection Plan
 - Implementation Projects to Restore Natural Resource Area Nitrogen Sensitive Areas
 - Other
 - Continues the work commenced under publicly funded program(s)
- B. Non-Implementation**
 - Environmental Justice NPS Coordinator Program
 - Regional NPS Implementation Project Development
 - Agriculture Regional NPS Implementation Project Development
 - NPS Capacity Building and Technology Transfer
 - Development of Municipal and Regional Stormwater Collaboratives and Funding Mechanisms

POLLUTANT(S) OF CONCERN - Phosphorous, Invasive Fanwort and Milfoil

AMOUNT OF FUNDING REQUESTED AND AMOUNT AND PERCENT OF MATCH FUNDING PROPOSED (Note that Match is not required-for the FFY2023-2024 grant cycle.)

Federal Funds via MassDEP	\$146,500	
Non-Federal Match	\$ 132,609 ¹	% of the Total Budget Cost <u>47.5%</u>
Total Project Budget	\$279.109	

¹ A separate \$7500 grant from the Nashua, Squannacook, and Nissitissit Rivers Wild & Scenic Stewardship Council and \$104,224 from Town of Harvard American Rescue Act Plan funds are included per the RFP QA answer 4.. If one or more of the funding sources for the match are not eligible as matching dollars, the funds will still be used in the project in Calendar year 2024, regardless. If they do not count, then reduce proposed match and the overall project size by the ineligible amount. E.g., if the \$7500 Stewardship Council grant is not eligible, the funds will still be used in the project in 2024 but the match and total project will be reduced by \$7500 and the match % adjusted to 44.8% .

PROJECT SUMMARY/OBJECTIVES – Continued Implementation of the Bare Hill Pond Watershed Management Plan through:

1. Purchase and installation of new capital equipment to replace non-functioning electrical drive and controls for the Bare Hill Pond (“BHP”) pumphouse previously funded under the Section 319 program in 2004-07 to maintain sustained reduction of phosphorous, control invasive plants, and reduce algal bloom risk in (“BHP”).
2. Expand existing watershed outreach and education programs to promote best practices for residents and the community in the BHP watershed.
3. Demonstrate and implement spot removal of invasive species (principally fanwort and milfoil) from small areas (typically under 2 acres) that are not susceptible to existing winter drawdown controls.

PRINCIPAL CONTACT (Project Manager)

Bruce A. Leicher, BHP Committee Chair
Name and Title
(617) 417-0892
Telephone

BruceLeicher@aol.com
Email
() None
Facsimile OB

AUTHORIZED SIGNATORY -

APPLICANT: Town of Harvard

By: _____

Date: _____

Name and Title _____

All respondents must complete, execute and return the **CONTRACTOR AUTHORIZED SIGNATORY LISTING FORM** (see Attachment B).

RESPONSE
319 NONPOINT SOURCE POLLUTION GRANT PROGRAM
RFP#: BWR-RFP-FFY2023-2024-319-GRANT CYCLE

Implementation Project Description

CONCISE STATEMENT OF THE PROBLEM

The Bare Hill Pond (“BHP”) [Watershed Management Plan](#)² documents the endangerment from non-point source phosphorus pollution and invasive milfoil and fanwort identified for control in the DEP’s [1998 TMDL Report](#). The BHP Watershed Management Committee, an appointed Town of Harvard Board, adopted a strategy in 2001 to achieve these goals. The DEP funded 2 successful projects to a) construct a pumphouse to implement winter drawdowns (with careful monitoring and oversight) and b) construct rain gardens to treat and capture the major sources of non-point source phosphorous from Town center, the schools and its roads. The projects have been highly successful, as documented in annual wildlife, habitat and vegetative assessments, with phosphorus declining from 0.44 mg/l in 1998 to generally under 0.30 mg/l and invasive milfoil and fanwort being substantially controlled in much of BHP and replaced by native plant species³.

There remain, however, stubborn spot areas (typically 2 acres or less) that are not controlled by winter drawdowns. These area remain wet during the winter or are at a greater depth and in years without effective draw downs, enable repopulation and interfere with the habitat and use of the Pond. In addition, after 17 years, the pump electrical drive and controls failed in September 2023 and need to be replaced and due to its unreliability in recent years, drawdowns have not been as effective in the past 3 years. In addition, in 2020 and 2021, BHP experienced the first documented hazardous algal blooms during the droughts and higher temperatures. Monitoring of the water column and sediments indicate it is due to internal loading with the higher water temperatures. Thus, climate change is making it harder to reduce phosphorous with drawdowns. When successful, drawdowns enable greater resilience by lowering phosphorous in advance of droughts and higher summer temperatures. The capital purchase and installation of the electrical system and motor will enable all of these activities to continue to help prevent eutrophication, control invasive species, and reduce algal bloom risk. This capital purchase and installation is underway with match funded by the Town of Harvard prior to the grant award date.

The BHP Committee with match funding from the Town, and a grant from the Nashua, Squannacook, and Nissitissit Rivers Wild & Scenic Stewardship Council is also conducting a demonstration in 2024 to use Diver Assisted Suction Hose removal technology (DASH) to address one of these areas adjacent to the beach, the public access boat ramp and the marina.⁴ Additional areas adjacent to Town conservation lands will also need to be addressed and a follow-on treatment is expected to be necessary to complete the work in 2025 in the beach, boat ramp and marina areas. The permitting and the results of this work will also be shared with private residents so that they can use the permitting template to engage DASH contractors in 2025 or future years to address other spot areas in the Pond. This additional approach should help to further control invasive species in conjunction with winter drawdowns.

Lastly, the BHP Committee seeks to significantly expand its outreach and education efforts to the community. While many residents are aware of the importance of watershed protection and best practices, the engagement of a professional wetlands educator to hold meetings, engage students in the schools and to provide education on a regular basis should help to further improve outcomes of our activities.

PROJECT GOAL(s)

1. Purchase and install electrical drive and control system in 2024 for the Bare Hill Pond pump house to enable future winter drawdowns that achieve the TDML goals for BHP and build resiliency against algal bloom risk. (i.e, phosphorus levels under 0.30/mg/l and invasive species control).

² The [Watershed Management Plan](#) was submitted to DEP for review in April 2024, relevant excerpts of which are attached as Exhibit D to this proposal.

³ See the [Watershed Management Plan](#) in [Exhibit D](#).

⁴ A full description of the DASH project for 2024 and the contract is set forth [Exhibit](#) .

2. Hire a DASH firm to conduct an invasive species removal project in 2024 as a model for future removal efforts that supplement the more widespread control of invasive species from winter drawdowns. The goal is to reduce the spread of invasive species to other areas of the Pond to facilitate the repopulation of native species.
3. Using 319 Funding in 2025-26, re-engage a DASH firm to re-treat 2024 sites as needed and to remove invasives from additional spot areas adjacent to Town conservation land and to make the project approach available for use by private residents. (i.e, reduce the spread of invasive species to other areas of the Pond and facilitate repopulation of native species).
4. Educate residents about the activities being conducted by the BHP Committee. Use education to facilitate their use of the DASH technology and further increase community knowledge about best practices in the watershed.

TARGETED POLLUTANT(S) AND WATERBODY(S)

Bare Hill Pond -- 1) Phosphorous and 2) Invasive Aquatic Plants

ESTIMATED QUANTITY OF POLLUTANT(S) TO BE REMOVED

Estimated quantities to be removed (please use pounds, tons, and/or CFUs) for all targeted pollutants, if any, based on modeling, demonstration, or other best estimate. Percentages are not acceptable.

[TBD – discuss with Wendy]

Phosphorous –

Invasive Fanwort and Milfoil - 1.5 – 2.0 tons per week of DASH removal for a total of 3-4 tons in 2024 and 6-8 tons in 2025 (based on average quantities estimated by DASH contractor’s historical removal rate for 2 divers in a week).

PROJECT STRATEGY

The BHP Committee initiated A watershed based strategy in 2001 to address the goals of the [1998 TMDL Report](#) to reduce eutrophication, lower phosphorous from 0.44 mg/l to under 0.30 mg/l, and control invasive milfoil and fanwort. The BHP [Watershed Management Plan](#)⁵ provides a history of the studies and activities that were conducted by the BHP Committee. Key accomplishments include:

- A [2002 ENSR Wildlife, Habitat and Vegetative Assessment](#) to support use of winter drawdowns to target invasive species.
- Successful completion of a Section 319 Grant (2004-07) to construct a pumping station to control invasive species and lower phosphorous.⁶ This led to sustained control of invasive plants and phosphorous below the target TDML levels. A [QAPP](#) was approved that ensures that the winter drawdowns are beneficial and that the habitat is monitored for negative impacts on fish, amphibians, mussels, and adjacent wetlands. Notably, the downstream wetlands are extensive, and run for miles allowing for a nature-based solution for capturing the phosphorous in the water removed from the Pond each winter.⁷
- Successful completion of a second Section 319 storm water control project (04-18/319) which designed and constructed rain gardens to capture and treat the most likely sources of non-point phosphorus from Town center, the schools and their roads and parking lots. It also funded excavation of phosphorus laden sediment in the beach area to control plant growth at that site. This project helped to assure that new sources of non-point source phosphorous is minimized and that invasive plants at the beach area that were not controlled by the drawdown were removed.

⁵ The [Watershed Management Plan](#) was submitted to DEP for review in April 2024, relevant excerpts of which are attached to this application Exhibit D.

⁶ See, [Project Final Report](#), Bare Hill Pond Noxious Plant Reduction (03-05/319) (2004-07)

⁷ Maps of the downstream wetlands and information on the nature based solution can be reviewed in the [Watershed Management Plan](#) pages 17-18 or in [Exhibit D](#),

- Careful oversight by the Town of Harvard Conservation Commission that requires comprehensive, annual review and reporting of these activities into each Order of Conditions that are based on the [2002 Wildlife Habitat and Vegetative Assessment](#), the GEIR for Lake and Pond Management and the [QAPP](#). In particular, the Orders of Conditions require annual reporting and updating of the habitat assessment, annual measurement of invasive plant growth/control, and annual measurement of phosphorous and other wetland attributes.⁸

While multiple studies cited in the [Watershed Management Plan](#) show that the strategy has been largely successful at controlling invasive species and repopulating native species, several challenges remain.

- Most immediately, the electrical control system for the pump house exceeded its useful life, causing interruptions to winter drawdowns in the past few years. No drawdown occurred in the past year when the electrical drive failed to operate. This has led to repopulation and expansion of invasive species (similar to years in which the BHP Committee tested taking a year off after several successful years). A capital purchase of a new electrical system and a spare motor is essential to avoid the breakdowns in the future. Careful maintenance extended its life to almost 17 years (the expected life was ten years). Replacement is appropriate. Failure to reinitiate this activity will undo the success of the project at Bare Hill Pond. This will be accomplished using Town ARPA funding in 2024 as part of the match for this grant.
- Second, even when the drawdown is successful, there are spot areas of the Pond that continue to serve as invasive plant strongholds. These areas are where the depth is greater than the drawdown and or where inflowing springs or streams interfere with freezing in the winter. A prime example is the area at the beach, its adjoining public boat launch and marina. The 319 funding in 2008-11 successfully addressed the growth in these areas, but over time, the plants have returned. Town funding will be used to perform the initial application of DASH removal of invasive species in 2024 at the beach and to the extent time and funding allows, adjacent areas at the public boat ramp and marina areas. 319 Grant funding will enable re-treatment as needed in 2025 in these areas and in other spots that the drawdown does not address adjacent to Town conservation land. The permitting will be shared with the public to facilitate residents to consider the same approach in spot areas adjoining private land at landowner expense.



- Third, in the summers of 2020 and 2021, BHP experienced its first recorded algal blooms during the excessive heat and drought those years. Notably, the onset was in August, compared with July for other lakes and Ponds and was not triggered by a rain event

suggesting anoxic conditions from in-lake loading was caused by diminished turnover and temperature rise in the water column. The prior winters had aborted drawdowns reducing resiliency to climate change. In Winter 2022-23, the drawdown achieved its target depth and there was not an algal bloom the next summer despite high temperatures. Monitoring of dissolved oxygen, the sediment and phosphorous showed that in 2020 and 2021, the anoxic conditions rose to a depth of 12 feet (compared to 14 feet in prior years). In 2023, anoxic conditions were similar at 14 feet but there was not a bloom. All of this suggests that Climate Change is causing a risk of algal blooms and that the drawdown, by reducing phosphorus below the target goal in the TDML is creating important resiliency to help avoid future algal bloom risk.⁹ Building resiliency to adapt to Climate Change is now an important outcome of continuing winter drawdowns.

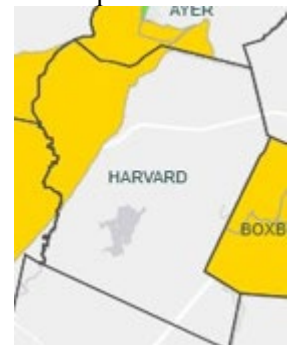
- Lastly, there continues to be a substantial need for education and outreach on best practices in the watershed to further curtail non-point source pollution and protection of habitat. Many new residents are not aware of best practices and this 319 grant funding will enable important expansion of education and outreach programs.

This application seeks funding to implement actions that address each of these important needs. This proposed project addresses each of the specific grant award criteria, as follows:

⁸ See, the [2023 Bare Hill Pond In-Lake and Water Quality Assessment](#) for the most recent report (copy attached to this application) and the [BHP Annual Monitoring Reports](#) webpage to see all of the monitoring reports since 2001.

⁹ See discussion in [2023 Bare Hill Pond In-Lake and Water Quality Assessment](#) (copy attached) at pp.6-14.

1. Ensuring Future Success of Prior 319 Awards -The proposed activities are designed to ensure the continued success of the prior two Section 319 grant awards by replacing the non-functioning capital infrastructure funded in the 2004 319 grant to allow drawdowns to continue and remove invasive plants from the site excavated in the second 319 project in 2008.
2. In-Lake Resource Restoration – The project proposes the use of DASH, a method that adds another tool for invasive species removal that is well-suited to spot area removal.
3. A Cohesive Watershed Based Strategy - The proposed strategy is based on the BHP [Watershed Management Plan](#) by building and strengthening prior and continuing activities. Data based observations in prior activities identified gaps in the existing activities that need to be addressed.
4. Adds a Climate Resilience Strategy – Annual monitoring points to the importance of continued drawdowns to lower phosphorous and add resilience to BHP to reduce algal bloom risk from rising temperatures and drought.
5. The Project is Viable - 20 years if data show the utility of using the pump house to conduct winter drawdowns. The capital purchase, installation and operation is all well documents and established. The DASH invasive removal technology is a prevalent strategy for selectively removing invasive species in small areas. A new Order of Conditions issued in February 2024 for winter drawdowns for 3 years. A Notice of Intent for DASH removal in 2024 was filed in March 2024. The Town has already committed the match funding for the 2024 activities to purchase the electrical system and motor and to fund the 2024 DASH activities.¹⁰ In addition, the BHP Committee was awarded \$7500 from the Nashua, Squannacook, and Nissitissit Rivers Wild & Scenic Stewardship Council to partially fund a portion of the Town match for the DASH activities in 2024.¹¹ Bare Hill Pond is a Great Pond with public access. Operation and maintenance manuals were prepared under the 2004 319 grant for the pump station and will be updated for the new electrical system. The enabled the extension of 7 years beyond the expected useful life of 10 years. A plan for post DASH annual maintenance is a deliverable under the DASH contract proposal.
6. Active and Inclusive Community Engagement - Education and outreach will engage residents in wetland education programs, educational workshops, continued sharing of monitoring data, tours with a wetlands expert.
7. EJ Community - Harvard includes an EJ Community that has access to Bare Hill Pond, its summer boating and swimming programs. These data were obtained from “<https://www.mass.gov/info-details/massgis-data-2020-environmental-justice-populations> .”
8. Project Management – Applicant has successfully managed two significantly larger Section 319 grant awards.
9. Responsiveness - Budget is based on good faith estimates of volunteer time, proposals vendors who are willing to provide services, actual contracts that are in place with match funding that can be extended for the future year’s activities. A Notice of Intent filed in February 2024 for the DASH project and an Order of Conditions was approved the Conservation Commission on May 2, 2024 [confirm date].



prior
from
was
by

NPDES STATUS

EJ Community Map

The proposed project is not in an NPDES area.

MILESTONES

1. Purchase, install and test electrical drive and control system and back up motor in 2024 for the Bare Hill Pond pump house to return the pump station to operable condition for the 2024-25 winter drawdown. The goal is to continue to maintain phosphorus levels will under 0.30/mg/l.

Milestones:

- a. Contract with Vendor to purchase, install and test new VFD Drive and control system for the pump house

¹⁰ See Town of Harvard funding is funding that is in the BHP Committee budget and was needed to sign contracts with the DASH contractor for 2024 and for the vendor to purchase the electrical system. See attached BHP Committee Budget Account and signed contracts. (Exhibit)

¹¹ See attached grant award from the Nashua, Squannacook, and Nissitissit Rivers Wild & Scenic Stewardship Council Grant (Exhibit).

- b. Contract with vendor to purchase back up motor for pump house.
 - c. Install VFD Drive
 - d. Successful test of motor and operation of the VFD Drive following installation.
 - e. Test pump and pump control systems and remedy any warranty defects
2. Contract a DASH contractor to demonstrate conduct DASH as an invasive species removal project in 2024 and to create a model for future spot removal efforts that supplement the more widespread control of invasive species from winter drawdowns.

Milestones:

- a. Contract with DASH Vendor to Conduct DASH invasive species removal in June and August/September 2024.
 - b. Permit the project under the Wetlands Protection Act.
 - c. Monitor removal at the end of Summer 2024 to determine DASH removal requirements for 2025
3. In 2025-26, contract four weeks DASH services to remove invasive species that remain at beach, public boat ramp and additional spot areas adjacent to Town conservation land that are not controlled by winter draw downs. Make the project approach available to use by private residents to facilitate their adoption of its use.

Milestones:

- a. Submit amendment to Order of Conditions for any additional areas for spot area treatment in Summer 2025 and 2026
 - b. Contract DASH Vendor for invasive species removal in Summer 2025 to remediate remaining areas at beach, public boat ramp, marina and other spot areas adjacent to Town conservation land in Summer 2025
 - c. Monitor removal in all areas covered for evaluation at the end of Summer 2025 to determine DASH removal requirements for 2026, if any.
 - d. Contract DASH Vendor for invasive species removal in Summer 2026 to remediate remaining areas at beach, public boat ramp, marina and other spot areas adjacent to Town conservation land in Summer 2026.
4. Expand the existing lake and watershed outreach and education programs.
- a. Pond tours – 2 guided tours by a limnologist, ecologist, naturalist or other professional that will cruise around the lake with passengers and discuss the habitat, importance of protecting habitat, explaining the watershed and shoreline linkage to water quality, and best practices for shoreland management. More technical tours may be offered that demonstrate the annual water quality and aquatic biota monitoring that the town provides.
 - b. Plant and best practices workshop – this would be a beach side workshop allowing residents to view, touch and learn to identify the plant species in the lake. A representative from the Watershed Committee and/or qualified professional will discuss the benefits of plants and linkage to the ecology, lake health and personal enjoyment of the lake. A discussion about native vs non-native species and the responsibility of everyone to ensure transport of plants between lakes is avoided.
 - c. Adult/Child program – we envision hosting an exploration day for paired adult/child participation. During this exploration day, use of biological sampling equipment (e.g., nets) will be demonstrated and participants will use to collect samples in the lake and tributary. Samples may be view under a microscope and the differences between habitat discussed. We also envision a few easy demonstration experiments which participants can take home and explore. One example may include sample jars that are filled with lake water with differing aliquots of fertilizers. This will demonstrate that materials applied to lawns to turn them green also makes the lake water turn green. This program may be conducted in conjunction with science classes in the schools if the schools accept an invitation.
 - d. Webinar series – free webinars will be offered using select presentations for qualified scientist explaining ecological concepts for the protection of lakes. One example is Doug Tallamy’s (entomologist & wildlife ecologist professor) talks about the importance of trees and biodiversity of insects and the ripple impacts to other life. He also shares statistics about overhanging vegetation and their importance on the fishery in lakes. Other webinars may include responsible lakefront ownership, rain gardens installation, measures to reduce impervious surface in the watershed etc.

PROJECT EVALUATION - ENVIRONMENTAL INDICATORS

Description of how the project's accomplishments will be evaluated. The evaluation method selected must fit the project.

1. Electrical system purchase for pump house. This installation will include an acceptance and testing to ensure proper installation and acceptance. The winter draws downs will continue to be monitored annually as described in the BHP [Watershed Management Plan](#) and documented in annual reports to the Conservation Commission under the applicable Order of Conditions.
2. DASH Spot Removal of Invasive Species – using the plant monitoring techniques shown in the annual report to the Conservation Commission, the QAPP and the Order of Conditions, the effectiveness of the DASH removal will be evaluated in the summers after each DASH removal by a wetlands expert using underwater cameras as well as measurements of density and species (native and invasive).
3. Education and Outreach will be evaluated by surveying the community on the awareness of best practices after the conduct of the programs.

OUTREACH-TECHNOLOGY TRANSFER

Educate residents and share the Notice of Intent and Order of Conditions for private use of DASH so that they can consider whether to engage a DASH contractor to remove invasive species from spot areas on their shorelines. B

Share information about the [Watershed Management Plan](#), these projects and best practices with the community as described above under Education and Outreach milestones.

- Removal of 1.5-2 tons of invasive fanwort and milfoil (based on contractor estimate of quantity to remove in a 5 day period) in June and again in August for a total of 3-4 tons
- Clearance of milfoil and fanwort from beach area in June (and in August) and additional public boat ramp and marina areas
- Post-DASH maintenance plan for treated areas
- Sharing of Order of conditions and NOI filing for use by Residents as a template for additional activities
- Conducting a meeting with residents to discuss the outcome of the project and the potential for residents to consider their own projects where appropriate.

ESTIMATED COST:\$54,225 §319 SHARE: \$0
 NON-FEDERAL MATCH SHARE AND SOURCE: \$45,000 Town of Harvard ARPA Funds;
 \$7500 Nashua, Squannacook, and Nissitissit Rivers Wild & Scenic Stewardship Council Grant; \$1925
 Volunteer labor ¹³

TASK/OBJECTIVE #3 : Use DASH to remove reemergent invasive fanwort and milfoil from the Beach area to the extent required, and from the public boat ramp, marina and other spot areas on Bare Hill Pond over four weeks during June – September 2025.

- Seek bids and enter contract with DASH contractor to demonstrate effectiveness and removal of invasive species in spot areas on Bare Hill Pond for four weeks of DASH removal.
- Inform community residents of the contractor chosen to enable them to engage the contractor during weeks the Project is not using the contractor.
- Engage a contractor to supply a filtered container for collection of fanwort and milfoil and to dispose of the milfoil and fanwort at a composting facility.
- Determine extent of re-growth in areas that received DASH removal in 2024 in May and determine the other spot locations that are adjacent to conservation lands for the four-week removal project.
- Use DASH contractor to clear invasive fanwort and milfoil from the areas chosen from the survey of the Pond.
- Deliver the fanwort to the composting facility.

DELIVERABLES:

- Removal of 1.5-2 tons of invasive fanwort and milfoil during each week of DASH contractor removal for a total of 6-8 tons of milfoil and fanwort (based on contractor estimate of quantity to remove in a 5 day period)
- Long term clearance of milfoil and fanwort from beach area, public boat ramp and marina following multiple years of removal

ESTIMATED COST: \$126,575 §319 SHARE: \$125,000
 NON-FEDERAL MATCH SHARE AND SOURCE: \$1575 volunteer labor

TASK/OBJECTIVE # 4:Education and Outreach

Expand the existing lake and watershed outreach and education programs.

- Conduct at least 2 pond tours with a limnologist, ecologist, naturalist or other professional that will cruise around the lake with passengers and discuss the habitat, importance of protecting habitat, explaining the watershed and shoreline linkage to water quality, and best practices for shoreland management. More technical tours may be offered that demonstrate the annual water quality and aquatic biota monitoring that the town provides.

¹³ Per the QA for this solicitation, the Town ARPA funds plus the Wild and Scenic Rivers grant have been included as a match for extra credit scoring purpose. If one or both are determined not to be eligible as a match, they will still be used to perform these pre-award activities in 2024.

- Conduct at least 2 plant and best practice workshops at the beach for residents with a qualified professional and BHP Committee representatives. Prepare and print handouts and use for Townwide mailing.
- Adult/Child programs – Conduct at least two exploration days for paired adult/child participation. This program may be conducted in conjunction with science classes in the schools if the schools accept an invitation.
- Webinar series – Offer webinars on the BHP Committee webpage using select presentations from qualified scientists explaining ecological concepts for the protection of lakes. One example is Doug Tallamy’s (entomologist & wildlife ecologist professor) talks about the importance of biodiversity and habitat. Other webinars may include responsible lakefront ownership, rain gardens installation, measures to reduce impervious surface in the watershed etc.

DELIVERABLES:

- At least 2 Pond Tours
- At least 2 plant and best practice workshops
- Townwide mailing of best practices in the watershed
- At least 2 adult/child workshops
- At least 3 webinars

ESTIMATED COST: \$22,785 §319 SHARE: \$21,500 NON-FEDERAL MATCH
 SHARE AND SOURCE: \$1285 volunteer labor

TASK/OBJECTIVE # 5:¹⁴ Operation and Maintenance of VFD Electrical Control System: The vendor and the BHP Committee will review the existing operation and maintenance plan for the pumphouse and its systems, and update it to reflect the installation of the new VFD Electrical Control system, including:

- Reviewing and revising existing operation and maintenance plan
- Reviewing and purchasing necessary spare parts to assure continued operation during a drawdown

DELIVERABLES:

- Updated Operation and Maintenance Plan for Pumphouse
- Updated inventory of necessary spare parts

ESTIMATED COST: \$175 §319 SHARE: \$0 NON-FEDERAL MATCH SHARE AND
 SOURCE: \$175 volunteer labor

TASK/OBJECTIVE # 6: Maintenance of DASH Controlled Spot Areas: Best practice protocol for non-mechanical maintenance to reduce the likelihood of re-emergence of invasive plants in treated spot areas.

DELIVERABLES: Best practice guide for DASH treated spot areas.

ESTIMATED COST: \$875 §319 SHARE: \$0
 NON-FEDERAL MATCH SHARE AND SOURCE: \$875 volunteer labor

TASK/OBJECTIVE # 7: Reporting: BHP Committee members to provide quarterly financial reports and project updates for each task during the grant and a final report at the end of the project.

DELIVERABLES:

- Quarterly financial reports and updates on Tasks
- Project Final Report

ESTIMATED COST: \$5600 §319 SHARE: \$0
 NON-FEDERAL MATCH SHARE AND SOURCE: \$5600 volunteer labor

¹⁴ These activities are included with the purchase price for the contract for Task 1.

RESPONSE
RFP#: BWR-RFP-FFY2023-2024-319-GRANT CYCLE
Project Budget

This budget is for response evaluation purposes. Use the whole dollar method. Indicate which items will be paid for by s.319 funds, and which items will be paid for by the non-federal match. Attach additional pages as required. Grant administration costs cannot exceed 10% of the grant award.

Expense Items	\$319 Amount	Non-Federal Match and Source	Total Amount
Salary - By Title and salary range (<i>ex.: Engineer, \$40-50/hour including fringe</i>) Volunteer Labor measured at \$35/hour per guidelines in the RFP QA section	\$0	BHP Committee volunteers \$13,185	\$13,185
Subcontractual Services Task 4 – Outreach and Education Contract expected to be a DBE Vendor for \$16,500 Task 2 and Task 4 – Recycling disposal company expected to be a DBE vendor for \$10,000	\$141,500	\$92,300 Town of Harvard American Rescue Plan Act Funds (See Exhibit) \$7500 Grant from Nashua, Squannacook, and Nissitissit Rivers Wild & Scenic Stewardship Council (See Exhibit)	\$241,300
Materials and Supplies (including printing, mailings)	Mailings and Printing \$5000	\$19624 Town of Harvard American Rescue Plan Act Funds (See Exhibit)	24,624
Travel (for auto mileage only @ \$.62 /mile)	\$0	\$0	\$0
Other	\$0	\$0	\$0
Totals:	\$146,500	\$132,609	\$279,109

SOURCE(S) OF NON-FEDERAL MATCH – Listed above per the QA to the extent the sources are eligible. If one or more of the funding sources are not eligible as matching dollars, the funds will still be allocated to the project in Calendar year 2024, regardless. If they do not count, then reduce proposed match and the overall project size by the ineligible amount. E.g., if the \$7500 Stewardship council grant is not eligible, the funds will still be used in the project in 2024 but the match and total project will be reduced by \$7500.

EEO/AA REQUIREMENTS – Listed above under Subcontract Services.

RESPONSE
§319 NONPOINT SOURCE POLLUTION GRANT PROGRAM
RFP#: BWR-RFP-FFY2023-2024-319-GRANT CYCLE
Project Milestone Schedule

Provide a timeline by "X-ing" out the duration of the task activity. Use additional pages as necessary. Presume a January 1, 2025 Notice to Proceed.

MONTH	Pre ¹⁵	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
TASK #1	X																								
TASK #2	X																								
TASK #3		X	X	X			X	X	X	X									X	X					
TASK #4			X	X			X	X	X						X	X			X	X	X				
TASK #5	X	X	X																						
TASK #6	X	X	X																						
TASK #7				X			X			X			X			X			X			X	X		
TASK #																									
TASK #																									
TASK #																									

¹⁵ These activities are pre-funded by the Town of Harvard as a match (to the extent eligible) and will be completed on or before Contract Award.

Harvard Ambulance Service Opioid Fund Proposals

Community EMS

Technology (laptop, internet, software, etc.)	\$ 2,000.00
Medical supplies	\$ 400.00
PR/Marketing materials, Press ad, professional printing	\$ 1,500.00
Total request:	\$ 3,900.00

Note: We are happy to accept partial funding.
Items are listed in descending order of priority

Naloxone Distribution

Online/Harvard Press advertising	\$ 1,000.00
Total request:	\$ 1,000.00

Opioid Settlement Funds Proposals

James Babu <jbabu@harvard-ma.gov>

Thu 3/7/2024 2:18 PM

To: Tim Bragan <tbragan@harvard-ma.gov>; Marie Sobalvarro <msobalvarro@harvard-ma.gov>; Jared Mullane <jmullane@harvard-ma.gov>

📎 3 attachments (1 MB)

Proposal for the Acquisition of TruNarc Handheld Narcotics Analyzer.pdf; Harvard Public Safety - Opioid Video Proposal - 03-01-2024.pdf; Proposal for the Acquisition of Mystaire.pdf;

Hello everyone,

Following our recent discussion on the allocation of the opioid settlement funds, I have prepared and attached three detailed proposals on behalf of the police department. These proposals outline the acquisition of critical resources aimed at enhancing our capabilities in narcotics detection, safety during drug processing, and community education on the opioid crisis.

The attachments include proposals for:

1. The purchase of a TruNarc Narcotics Detection System, a revolutionary tool that significantly improves our ability to identify various narcotics quickly and accurately, enhancing our operational efficiency and safety.
2. The acquisition of a Mystaire Fentanyl Lab Hood System, specifically designed for the safe handling and processing of fentanyl and other potent narcotics, ensuring the safety of our personnel during laboratory analyses.
3. A proposal for the creation of a community outreach video focused on the uses and dangers of opioids. This initiative aims to educate the public, foster awareness, and ultimately reduce the impact of opioid abuse in our community.

Each proposal has been crafted with careful consideration of our current needs and the optimal use of the opioid settlement funds to benefit our community's safety and well-being.

Please review these proposals at your earliest convenience. Your feedback and approval are crucial as we move forward with these important initiatives.

Thank you for your attention to this matter. I look forward to discussing these proposals further and finalizing our plans.

Respectfully,

James Babu



Chief James D. Babu
Harvard Police Department
40 Ayer Road
Harvard, MA 01451

Tel. (978) 456-1212

Fax.(978) 456-8313

email: jbabu@harvard-ma.gov



Proposal for the Acquisition of Mystaire® Latitude Fentanyl Filtered Hood



Introduction

In our continuous commitment to the safety and well-being of our law enforcement personnel, we are seeking to enhance our protective measures against the risks associated with the handling of fentanyl and its analogues. It is in this context that we are formally requesting the purchase of the Mystaire® Latitude Fentanyl Filtered Hood.

Background

The increasing prevalence of fentanyl in drug-related incidents poses significant risks to those involved in its seizure, analysis, and disposal. Exposure to even minute amounts of fentanyl can result in severe health complications, underscoring the need for specialized equipment to ensure the safety of our officers and technicians.

Objective

Our primary objective is to create a safer working environment for our law enforcement personnel by mitigating the dangers posed by fentanyl exposure. The acquisition of the Mystaire® Latitude Fentanyl Filtered Hood represents a critical step towards achieving this goal, providing an effective containment solution during the manipulation and analysis of substances containing fentanyl.

Technical Specifications

We have reviewed the product brochure provided and are impressed by the capabilities and features of the Mystaire® Latitude Fentanyl Filtered Hood. Its design and functionality align perfectly with our safety objectives, making it an ideal choice for our needs.

Pricing

The quoted price for the complete 48-inch Mystaire® Latitude Fentanyl Filtered Hood is \$8,850. Additional costs include a pack of 12 pre-filters at \$265, recommended for quarterly replacement, and the main MY-5920 filters at \$435, to be replaced biennially.

Conclusion

The purchase of the Mystaire® Latitude Fentanyl Filtered Hood is a necessary investment in the health and safety of our law enforcement personnel. Given the urgency of addressing the risks associated with fentanyl, we kindly request your support in expediting this proposal. We believe that implementing this state-of-the-art protective measure will significantly bolster our existing safety protocols, ensuring a safer working environment for our dedicated officers and staff.

Enhanced Safety and Design Features and Technical Specifications

The Mystaire® Latitude Fentanyl Filtered Hood is specifically engineered for the containment and safe handling of fentanyl and its analogues, ensuring the protection of law enforcement personnel during critical laboratory analyses and substance manipulations. This equipment incorporates advanced safety features, including:

Redundant Saf-T-Zone™ HEPA Filtration Technology: This innovative filtration system is designed for optimal safety and easy maintenance, featuring rear wall pre- and HEPA filtration to efficiently remove harmful particulates from the operator's breathing zone through a consistent, horizontal airflow path.

Increased Capture Capability: The combination of Saf-T-Zone filtration technology with horizontal airflow enhances the hood's ability to capture both particulates and fumes effectively, ensuring a safer working environment.

Secondary Safety HEPA Filter: Provides additional containment security during the maintenance or replacement of the primary filters, further minimizing exposure risks.

EverSafe™ Automatic Safety Controller: This feature ensures compliance with OSHA and ANSI/AIHA standards by constantly monitoring the filtration system. It provides real-time airflow readings and employs audible and visual alarms to alert users to any airflow or filter issues, eliminating uncertainties regarding the hood's operation.

Waste Disposal Port: A specially designed disposal port located on the right side of the chamber facilitates the secure attachment of waste or biohazard bags, reducing exposure risks during the disposal of contaminated materials.

These comprehensive safety features underscore the Mystaire® Latitude Fentanyl Filtered Hood's superiority in providing essential protection for law enforcement personnel and the environment. By incorporating this equipment into our operations, we significantly enhance our safety protocols against the dangers of fentanyl exposure, reaffirming our commitment to the health and safety of our team.

This detailed information further justifies the acquisition of the Mystaire® Latitude Fentanyl Filtered Hood, emphasizing its critical role in safeguarding our personnel while maintaining operational efficiency in the face of opioid-related challenges.

MYSTAIRE®

Q24030701KGJB

James Babu

jbabu@harvard-ma.gov

(978) 456-1212

Reference: 20240307-134504340

Quote created: March 7, 2024

Quote expires: April 21, 2024



Mystaire

1200 Telecom Drive
Creedmoor, NC 27522
United States

Prepared by: Kelly Gross

Total **\$9,135.00**

QTY	ITEM	DESCRIPTION	UNIT PRICE	TOTAL
1	MY-LFH48	MY-LFH48 - 48" Latitude Fentanyl Series C ductless hood. Price includes HEPA filters, prefilters, blue base, trash bag port, and two power access ports.	\$8,850.00	\$8,850.00
1	MY-PRE36	MY-PRE36 - Pack of 12 PreFilters for Latitude Ductless Hood	\$285.00	\$285.00
SUMMARY				
One-time subtotal				\$9,135.00

Total	\$9,135.00
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Proposal for the Acquisition of TruNarc Handheld Narcotics Analyzer

Introduction

The safety and health of our community stand at the forefront of our priorities. In light of the ongoing challenges posed by drug abuse and the illicit narcotics trade, it is imperative that we equip our officers and first responders with the most effective tools available. This proposal outlines the benefits and justifications for the acquisition of the TruNarc Handheld Narcotics Analyzer, a cutting-edge technology designed to significantly enhance our narcotics detection and analysis capabilities.

Background

The prevalence of narcotics and controlled substances, including dangerous opioids like fentanyl and its analogs, presents a critical challenge to public safety. Traditional methods of narcotics detection often require laboratory analysis, leading to delays in law enforcement action and potential risks to public health. The need for an efficient, accurate, and on-the-spot testing solution has never been greater.

The TruNarc Handheld Narcotics Analyzer: An Overview

The TruNarc Handheld Narcotics Analyzer is a portable, easy-to-use device that brings the accuracy and reliability of a narcotics lab directly to the field. Utilizing advanced Raman spectroscopy, it can identify over 530 of the highest priority illicit and abused narcotics in a single test, including opioids, stimulants, depressants, hallucinogens, and analgesics.

Key Features and Benefits:

Single Test, Multiple Narcotics: Saves time and resources by identifying multiple substances in one go. Identifies more than 530 of the highest priority illicit and abused narcotics in a single drug test, saving time and money.

Ease of Use: Provides clear, definitive results without the need for user interpretation, simplifying the process for law enforcement. A single drug test for multiple controlled substances provides clear, definitive results for presumptive identification with no user interpretation.

Broad Analysis Capability: Capable of detecting key drugs of abuse as well as cutting agents, precursors, and emerging threats such as various fentanyl compounds.

Non-destructive, Non-contact Sampling: Allows for scanning through plastic or glass, minimizing contamination and exposure while preserving evidence.

Automated Data Storage and Report Generation: Facilitates record-keeping and supports prosecution with automated data capture and report generation.

Reach back Support: Offers spectral analysis support from staff chemists, enhancing the reliability of results.

Justification for Acquisition

Enhanced Public Safety: Quick and accurate identification of narcotics will enable swift action, reducing the potential harm to the community.

Efficiency and Cost Savings: By streamlining the drug identification process, we can save on laboratory costs and reduce the burden on our judicial system.

Evidence Preservation: The non-destructive testing method ensures that evidence is preserved for prosecution, thereby strengthening legal proceedings against offenders.

Adaptability to Emerging Threats: The ability to identify new and evolving narcotics compounds ensures our preparedness in combating the latest drug abuse trends.

Support for First Responders: Providing our officers and first responders with advanced tools like the TruNarc Analyzer enhances their operational capabilities and safety during narcotics investigations and medical calls where drug use is suspected.

The TruNarc Handheld Narcotics Analyzer, besides its cutting-edge technology and significant benefits for law enforcement and public safety, offers additional advantages related to its production and maintenance, further enhancing its value proposition. Here are some key points emphasizing these aspects:

Local Production

Manufactured Locally: The fact that the TruNarc is built in Tewksbury, Massachusetts, not only underscores its status as an international product but also highlights the local expertise and craftsmanship that contribute to its development. This local production aspect can foster a sense of pride and trust in the product among users, especially those within the Massachusetts area or those who value domestically produced technology.

Warranty and Maintenance

5-Year Warranty: The inclusion of a 5-year warranty with the purchase of TruNarc reflects the manufacturer's confidence in the product's durability and reliability. This warranty period provides purchasers with peace of mind, knowing that their investment is protected against potential defects or malfunctions over a significant duration.

Extended Warranty Options: The option to purchase extended warranties for an additional \$2,000 annually after the initial warranty expires offers users continued protection and support. This option is particularly beneficial for agencies that rely heavily on the TruNarc for their daily operations and wish to ensure the device's longevity and performance over time.

No Additional Consumables Required

Cost-Efficiency: One of the most compelling benefits of the TruNarc system is its lack of requirement for any consumables, such as filters or other items, which are often needed for similar devices. This feature not only simplifies the operational aspects of using the device but also significantly reduces the long-term costs associated with maintaining and utilizing the analyzer. Agencies can allocate their budgets more efficiently, without worrying about the recurring expenses typically associated with consumables.



Conclusion

The acquisition of the TruNarc Handheld Narcotics Analyzer represents a strategic investment in the health and safety of our community. By equipping our law enforcement with this advanced technology, we not only enhance their effectiveness in combating drug-related challenges but also demonstrate a proactive stance against the ever-evolving narcotics landscape. We invite the members of our community to support this proposal, recognizing the substantial benefits it brings to our collective well-being. The TruNarc Handheld Narcotics Analyzer will play a vital role in protecting first responders by minimizing direct exposure to dangerous narcotics, providing rapid and accurate substance identification, and supporting informed decision-making regarding safety protocols. This technology enhances the overall safety of those at the frontline of the opioid crisis, ensuring they are equipped to respond effectively while minimizing the risk to their own health.

The provided link directs to a story by Boston 25, focusing on the TruNarc system. This segment showcases the application and impact of the TruNarc Handheld Narcotics Analyzer in law enforcement efforts within the community. The story highlights how the technology is being used on the ground, demonstrating its effectiveness in identifying various narcotics quickly and safely.

Videolink on featured Boston 25 featured story using TruNarc

<https://www.youtube.com/watch?v=eMe7Au0g5Ls>

Sales Quotation

Quote Number	Created Date	Exp. Delivery Terms	Page
00412305	03/07/2024	ARO	1 / 7
Contact:	Phone	Payment Term	Valid To
Jayson Tomberg	(908) 310-7418	Net 30	06/21/2024
Incoterms		Shipping Method	
FOB Origin - Tewksbury, MA		Fed Ex	

Thermo Scientific Portable Analytical Instruments Inc.
 2 Radcliff Rd
 Tewksbury, Massachusetts 01876
 United States

Submitted To:

Charles Genetti
 Harvard Police Department
 40 ayer rd
 Harvard, Massachusetts 03048
 United States

Phone: 978-456-8276
 Email: cgenetti@harvard-ma.gov

THANK YOU FOR YOUR INTEREST IN THERMO SCIENTIFIC INSTRUMENTATION

To Place an Order:
Contact: Jayson Tomberg
Phone: (908)310-7418
Fax:
Email: jayson.tomberg@thermofisher.com
Additional instructions, terms & conditions on last page

Pos.	Product Code	Product Name	Sales Price	Quantity	Total Price
1.00	800-01045-01	TruNarc, Unlimited, Warranty - 5 Yrs, Train-12 TruNarc Unlimited Model with 5 years of warranty. Includes factory repair, loaner units when available and 24/7 technical support. Companion PC TruNarc admin software, unlimited access to TruNarc eLearning course and free basic software updates to core narcotics library are provided for the life of the instrument. Includes TruNarc on-site instructor led training for up to 12 students within the Continental United States (CONUS) - expires 9 months after date of purchase.	USD 40,300.00	1.00	USD 40,300.00
2.00	810-01461-01	TruNarc Solution Kit (Type H) - 20, English TruNarc Solution Kit (Type H) for identification of Heroin and other special narcotics. Kit includes 20 Test Sticks and 20 Solution Vials with Ethanol. Note that because of the Ethanol, this product ships as a Hazardous Goods shipment. The shelf life for Type H-sticks is approximately one year from shipment.	USD 152.00	1.00	USD 152.00
Total:					USD 40,452.00

When applicable, commodities, technology, or software to be provided in furtherance of this order shall be exported from the United States in accordance with applicable U.S. export laws or regulations. Diversion contrary to US law prohibited. Unless otherwise agreed to in writing, Thermo Scientific Portable Analytical Instruments Inc. terms and conditions shall apply and take precedence.



FIRE ENGINE Productions, Inc.

Proposal: Opioid Addiction Prevention Video

Introduction

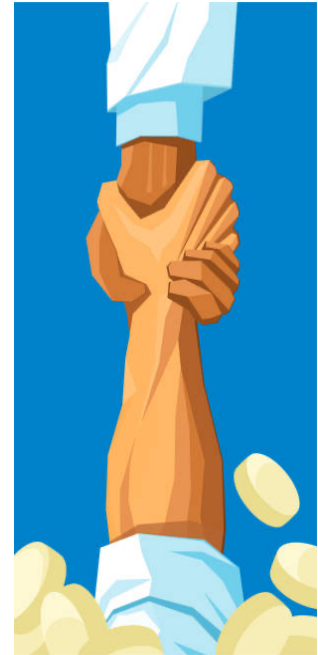
Opioid addiction has become a significant public health issue, affecting individuals of all ages and backgrounds. It is vital to educate people about the dangers of opioid addiction and the prevention measures that can be taken. In this proposal, FIRE ENGINE Productions suggests creating a video targeting a broad audience to help raise awareness, inform potential users, and prevent opioid addiction through social media, classroom, and community education.



Why video? Video is clearly the medium of choice for a wide range of demographics. Anyone who has recently scrolled through Facebook, Instagram or Twitter knows that video plays a major part in the social media experience. According to a study conducted by invisio Marketing, audiences retained **95% of messaging** from watching a video, as opposed to only 10% of messaging read in text.

Reaching our target audience where they choose to engage is vital to a successful opioid awareness and addiction prevention campaign. Plus, video allows us to tell relatable human stories, featuring personal struggles and journeys. Through families and friends touched by opioid abuse, opioid addicts, and drug abuse professionals, we can share vital facts and information on a deeply emotional and impactful level.

This video (which could be expanded to multiple videos targeting more specific audiences) will be utilized on a variety of platforms, including a comprehensive and targeted social media campaign, local community forums, the Harvard Public Library, and in HES and Bromfield classrooms. The video will be made widely and easily available to encourage and initiate private family discussions.



Short Film (approximately 20-30 minutes)

The focus of the short film will be personal stories of struggle, loss, and eventually hope in the face of incredible hardship caused by opioid addiction, and the resources available locally to those in need of assistance. It will feature three segments: a Harvard family dealing with the loss of a loved one from opioid overdose, the story of a local opioid addict struggling with recovery, and a recovery specialist informing the audience on signs, symptoms, resources available to local families, friends and colleagues looking to help someone with opioid addiction. This first two stories will begin with “before,” revealing our subject’s hopes, dreams and ambitions prior to opioids entering their lives. We will then see the destruction and devastation wrought by opioid addiction: relationships shattered, prospects gone, careers lost, legal woes, disconnection from friends and family, and sadly, even death. Interspersed throughout the storytelling, we will provide a comprehensive understanding of the opioid crisis and its impact on society, and specifically in Harvard. We will explore the root causes of opioid dependence and how it might be prevented. Finally, the film will provide information on how to recognize the signs of opioid addiction and what steps can be taken to seek treatment.

Channels and Availability

FIRE ENGINE Productions' creation of a short film on opioid addiction prevention will help raise awareness and provide a toolbox for preventing opioid addiction in the Harvard community. We will work in conjunction with local community leaders, public safety officials, educators, councilors, therapists and the public to build a video resource, available to everyone on a designated YouTube channel, Harvard Community Cable TV (cable channel and Vimeo channel), at HES and The Bromfield School, the Harvard Public Library, and through other social media channels. This video will be available to anyone at any time, via the Internet, or through the schools and library. We hope this proposal will be a vital step in addressing the opioid crisis that affects everyone in our community. The goal for the video is to create a relatable story with information and tools to make it easier for the entire Harvard community to learn and discuss these important topics.

Project Timeline

> Short Film

- Production (6 months from project approval date)
 - Research and Development: 2 months
 - Production: 1.5 months
 - Post-Production: 2.5 months
 - Delivery of Feature Film
- Feature Film Premiere Events (1 Month)
 - Premiere (Upon delivery of Feature Film)
 - Community Event
 - Film Screening and Public Discussion
 - School Event
 - Film Screening and Classroom Discussion
 - Harvard Community Cable TV
 - Film Broadcast and Posted Online
- Social Media Campaign (After film premiere events, and ongoing for 3 months)
 - Boosted through multiple social media channels

Budget

Here is a preliminary cost breakdown of the project, with specific assumptions:

>Short Film

Assumptions:

- Short film (approximately 20-30 minutes)
 - 2 months of pre-production, research and development 2 x \$2500 = \$5,000
 - 6 nonconsecutive days of filming 6 x \$1,250 = \$7,500
 - 4 weeks of post-production 4 x \$2,500 = \$10,000
 - Contingency (10%) \$2,250

TOTAL: **\$24,750**

About FIRE ENGINE Productions

FIRE ENGINE Productions has been in business since 2014. Founded by Robert Curran, who has over 40 years of television production experience, the company has produced hundreds of informational videos for commercial clients, public safety agencies, and the Harvard community. Mr. Curran began his career as a photographer and TV journalist, and later produced and directed educational television for Sesame Workshop (formerly The Children's Television Workshop) and Macmillan Publishing Company. Mr. Curran was also the Vice President of Creative Affairs at MGM Television and Vice President of Development and Production at Discovery Channel. His award-winning projects include educational, documentary, and entertainment programming. Mr. Curran has been a Harvard resident for over 20 years, and is a Volunteer Firefighter, EMT, Public Safety Drone Pilot, and Chair of the Harvard Community Cable TV Committee (The Harvard Media Cooperative).

Harvard Public Schools

Opioid Settlement Funds Planning & Strategy

Background

Led by the Attorney General's Office, Massachusetts is participating in nationwide settlements with opioid industry defendants as part of a historic legal effort to provide financial abatement to the community destruction of the opioid epidemic. Municipalities of the Commonwealth opted into settlements to support strengthening community-based substance use prevention, harm reduction, treatment, and recovery support. While the state provided high-level areas of approved spending, municipalities are encouraged to design their own unique response based on community engaged processes and resident-specific needs.

As of September 2023, the town of Harvard, Massachusetts received a combined ~\$85,000 in opioid abatement settlements. It is estimated the town will receive upwards of \$350,000 over the next two decades. Leadership from the municipal offices, public schools, and Board of Health have been tapped to manage and oversee spending of dollars. The Harvard Public Schools Superintendent requested support in defining a strategic approach to support allocating funds.

Purpose

- To engage community members in identifying and prioritizing an approach to spending opioid abatement funds.
- To set a strategic direction for long-term spending.
- To maximize community benefit of funds, including beyond town borders to include neighboring communities.

Approach and Deliverables

Phase I: Survey

PCG will design a survey to gather broad community feedback on spending opioid abatement funds. Building on Massachusetts' defined terms of use of abatement funds, PCG will create a tool that collects opinions and perspectives on which areas of effort are highest priority among community members. PCG will complete a high-level analysis of themes and findings to be used for additional planning and strategic purposes. PCG will meet with Harvard to review findings and prepare for listening sessions.

Phase II: Listening Sessions

PCG will facilitate three virtual listening sessions to share survey findings and collection additional, nuanced understandings of community needs. In these sessions, PCG will focus on themes to clearly define the next steps and use of opioid abatement funds. PCG will generate high-level summaries at the completion of each session. PCG will meet with Harvard to review conclusions.

Through each phase, PCG will rely on staff and partners from Harvard to support promotion and dissemination efforts.

Fixed Price Budget

The overall cost for the survey, listening session and results is \$9,300. The total number of anticipated hours for the scope is 60. Personnel costs are all inclusive of fringe and overhead.

PHASE	DESCRIPTION	Timeline (March – June 2024)	COST
I	Survey	April – May	\$3,100
II	Listening Sessions	June	\$6,200
	Total Cost		\$9,300

Contact

For questions or follow-up regarding this proposal, please contact:

Helen McDermott, MPH

Senior Consultant

hmcdermott@pcqus.com



OPEN MEETING LAW COMPLAINT FORM

Office of the Attorney General
One Ashburton Place
Boston, MA 02108

Please note that all fields are required unless otherwise noted.

Your Contact Information:

First Name: John Last Name: Osborn

Address: 1 Still River Road

City: Harvard State: MA Zip Code: 01451

Phone Number: +1 (978) 855-1799 Ext. _____

Email: editor@harvardpress.net

Organization or Media Affiliation (if any): The Harvard Press

Are you filing the complaint in your capacity as an individual, representative of an organization, or media?

(For statistical purposes only)

Individual Organization Media

Public Body that is the subject of this complaint:

City/Town County Regional/District State

Name of Public Body (including city/town, county or region, if applicable): Select Board of the Town of Harvard

Specific person(s), if any, you allege committed the violation: _____

Date of alleged violation: Mar 26, 2024

Description of alleged violation:

Describe the alleged violation that this complaint is about. If you believe the alleged violation was intentional, please say so and include the reasons supporting your belief.

Note: This text field has a maximum of 3000 characters.

The Harvard Select Board voted unanimously at a public meeting on March 19, 2024 to create a Town Administrator Search Committee consisting of seven members, specifically two Select Board members, a representative from the School Committee, a representative from the Finance Committee, the Town Moderator, a department head chosen by the Select Board and a town employee chosen by the Select Board. Subsequent to that meeting, the Harvard Press received a letter to the editor, signed by four of the five Select Board members, regarding the Town Administrator Search Committee. The text of the letter was:

"We appreciated all the recent input and suggestions regarding the search for a new town administrator. It's fantastic to see such a high level of interest in the process. Our commitment is to a resident-led process that is fair, transparent, and includes citizen input throughout the process. To that end, we've established a search committee made up of town residents, volunteers, and employees to lead the search. The committee will begin meeting in early April. Additionally, we'll take the following steps:

- Add two to four more residents to the search committee.
- Host in-person and online town forums for residents to express their expectations and qualities of what they'd like to see in the next town administrator.
- Create a dedicated email, tasearch@harvard-ma.gov, accessible to the committee for residents to send questions and suggestions.
- We look forward to your participation in this critical effort."

The letter was signed by Select Board members Rich Maiore (chair), Don Ludwig, Charles Oliver, and Erin McBee, who is no longer on the board. The Press published this letter in its March 29 edition.

We believe the step to change the composition of the search committee, announced in this letter, constitutes a violation of the Open Meeting Law. Specifically, the announcement was made after the board's March 19 unanimous vote on the committee's composition, with no discussion or subsequent vote on that composition in a public meeting.

The board did discuss adding members of the public to the committee at its March 19 meeting prior to its vote but decided against doing so because of the difficulty of choosing those members.

Member Don Ludwig suggested that the committee could later make a recommendation to the Select Board to add members of the public. Select Board Chair Rich Maiore told the Press in an email dated April 16, 2024 that no such recommendation had been made as of that date.

The town administrator search committee is already moving ahead with a plan to add two members. The application to volunteer for citizen positions on the committee is posted on the town website, and the committee chair has already asked the Press to announce the two openings with a link to the application in its next edition, scheduled to come out April 26.

What action do you want the public body to take in response to your complaint?

Note: This text field has a maximum of 500 characters.

Discuss and vote on whether to add two residents to the search committee prior to the committee's bringing forth candidates for those positions.

Review, sign, and submit your complaint

I. Disclosure of Your Complaint.

Public Record. Under most circumstances, your complaint, and any documents submitted with your complaint, is considered a public record and will be available to any member of the public upon request.

Publication to Website. As part of the Open Data Initiative, the AGO will publish to its website certain information regarding your complaint, including your name and the name of the public body. The AGO will not publish your contact information.

II. Consulting With a Private Attorney.

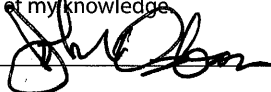
The AGO cannot give you legal advice and is not able to be your private attorney, but represents the public interest. If you have any questions concerning your individual legal rights or responsibilities you should contact a private attorney.

III. Submit Your Complaint to the Public Body.

The complaint must be filed first with the public body. If you have any questions, please contact the Division of Open Government by calling (617) 963-2540 or by email to openmeeting@state.ma.us.

By signing below, I acknowledge that I have read and understood the provisions above and certify that the information I have provided is true and correct to the best of my knowledge.

Signed: _____



Date: _____

4/24/2024

For Use By Public Body
Date Received by Public Body:

For Use By AGO
Date Received by AGO: