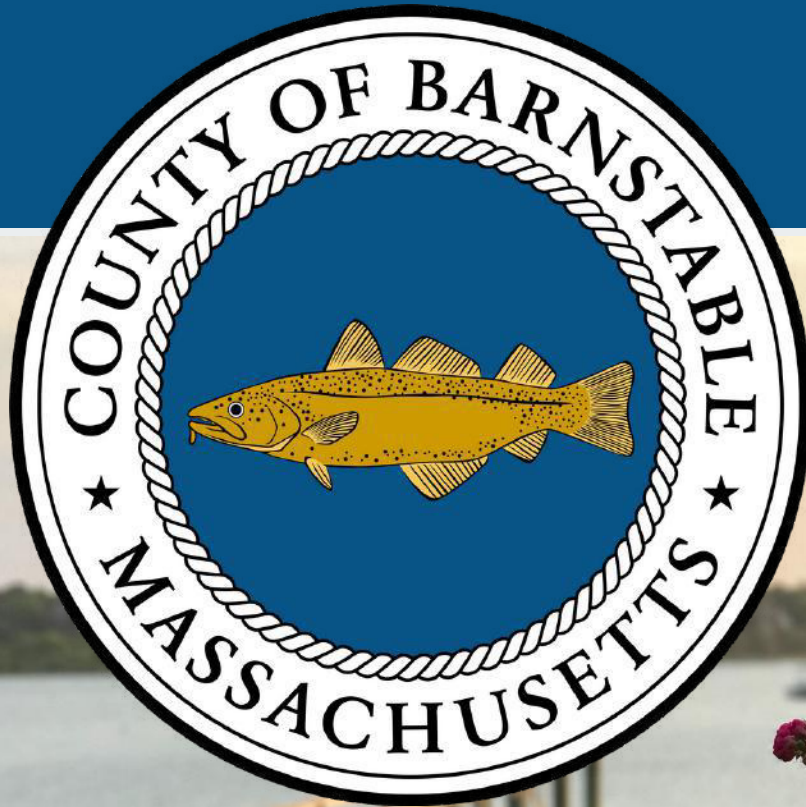


# BARNSTABLE COUNTY

CAPE COD REGIONAL GOVERNMENT



2022 ANNUAL REPORT

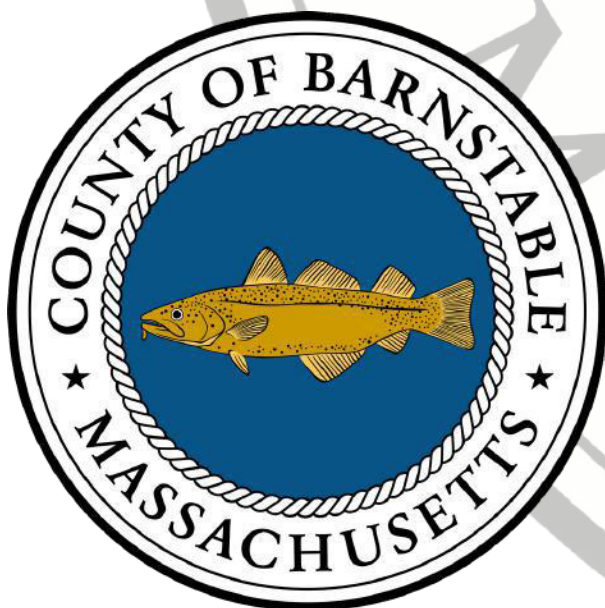


FY'22

# 2022 Annual Report

# **BARNSTABLE COUNTY**

## CAPE COD REGIONAL GOVERNMENT







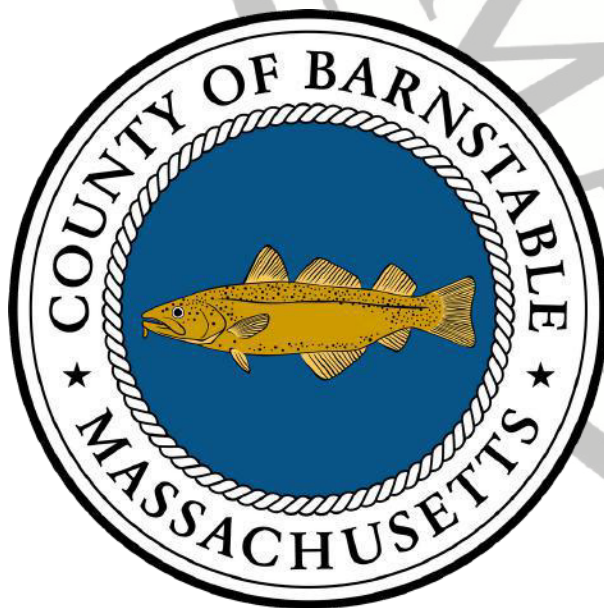
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FY'22

# Report of the Barnstable County **BOARD OF REGIONAL COMMISSIONERS**





# FROM THE BOARD OF REGIONAL COMMISSIONERS

To the Citizens of Barnstable County:

***"We the people of Barnstable County, in order to gain for ourselves and for our communities, all of the rights, powers, privileges, duties, and obligations which may now or in the future be derived from a regional government providing extensive services to its region known as Barnstable County and being fiscally sound, do reestablish for ourselves and for our communities the means and the structure to deal with regional issues which transcend the existing boundaries of municipal governments. The revised home rule charter for Barnstable County places the power and responsibility to deal with the unique problems of Barnstable County in a regional government directly responsible to the people of Barnstable County." - Barnstable County, Regional Government of Cape Cod, Home Rule Charter, Adopted November 8, 1988***

Barnstable County, the Regional Government of Cape Cod, is at the forefront of many of today's most pressing and difficult challenges. During Fiscal Year 2022, the county played many proactive and supportive roles in our region, from continuing to respond to the COVID-19 pandemic to addressing complex water quality challenges. As in past years, the County never lost sight of its fundamental community obligations to the 15 towns and residents across Cape Cod, and we are still living up to our slogan, "We are working for you."

Barnstable County's Annual Report for Fiscal Year 2022, the 123rd publication in the series, is now available. This document includes the cumulative report of the Board of Regional Commissioners as well as the report of the County Treasurer for the fiscal year ending June 30, 2022. The report from the Board of Regional Commissioners also gives an overview of each department's activities during FY 2022.

The County Treasurer's report includes a record of the county's receipts and expenditures, the year-end balances in the General Fund and the Cape Cod Commission Fund, and a listing of tax assessments to Barnstable County towns.

On behalf of the Board of Regional Commissioners, we want to thank all of the county employees and volunteers who worked hard in 2022 to help the people of Barnstable County.

Respectfully submitted,

*Sheila Lyons, Chair*

Barnstable County Board of Regional Commissioners





# BOARD OF REGIONAL COMMISSIONERS

Cape Cod Regional Government (known as Barnstable County)

Superior Courthouse

P.O. Box 427

3195 Main Street

Barnstable, MA 02630

508-375-6648 | Fax: 508-362-4136

[www.barnstablecounty.org](http://www.barnstablecounty.org)

## REPORT OF THE BARNSTABLE COUNTY BOARD OF REGIONAL COMMISSIONERS

*For the Period July 1, 2021 and ending June 30, 2022*

### BOARD OF REGIONAL COMMISSIONERS

**Sheila Lyons, Chair (Wellfleet)**

774-314-2339 | [sheila.lyons@barnstablecounty.org](mailto:sheila.lyons@barnstablecounty.org)

**Ronald Bergstrom, Vice-Chair (Chatham)**

508-470-3893 | [rbergstrom@barnstablecounty.org](mailto:rbergstrom@barnstablecounty.org)

**Mark Forest (Yarmouth)**

774-314-2289 | [mark.forest@barnstablecounty.org](mailto:mark.forest@barnstablecounty.org)

### ADMINISTRATION

**Elizabeth Albert, County Administrator**

508-375-6626 | [balbert@barnstablecounty.org](mailto:balbert@barnstablecounty.org)

**Vaira Harik, Assistant County Administrator**

508-375-6629 | [vharik@barnstablecounty.org](mailto:vharik@barnstablecounty.org)

**Stephen Tebo, Assets Manager**

508-375-6603 | [stebo@barnstablecounty.org](mailto:stebo@barnstablecounty.org)

**Robin Young, Executive Assistant (from April 2021)**

508-375-6648 | [robin.young@barnstablecounty.org](mailto:robin.young@barnstablecounty.org)

**Justyna Marczak, Human Resources Director**

508-375-6646 | [jmarczak@barnstablecounty.org](mailto:jmarczak@barnstablecounty.org)

**Nancy Cushing, Payroll & Benefits Coordinator**

508-375-6647 | [ncushing@barnstablecounty.org](mailto:ncushing@barnstablecounty.org)

**Susan Quinones, Human Rights Commission Coordinator**

508-375-6912 | [hrc@barnstablecounty.org](mailto:hrc@barnstablecounty.org)

**Sonja Sheasley, Communications Manager**

508-375-6896 | [sonja.sheasley@barnstablecounty.org](mailto:sonja.sheasley@barnstablecounty.org)

### ABOUT:

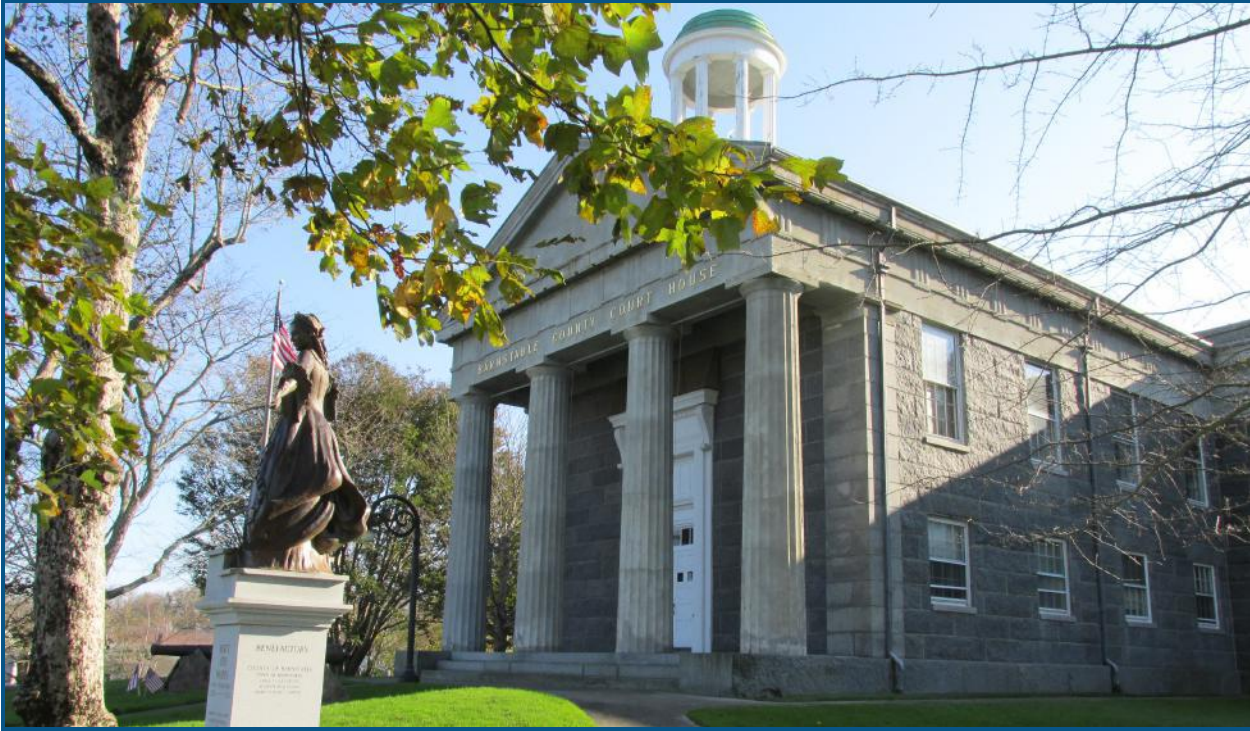
The Board of Regional Commissioners is the Executive Body for the Cape Cod Regional Government, known as Barnstable County.

“The executive powers of the Cape Cod Regional Government shall be vested solely in the Board of Regional Commissioners and may be exercised whether directly by such board or through the several regional agencies under its direction and supervision.” Barnstable County Home Rule Charter, Sec. 3-2.

There are three members of the Board of Regional Commissioners. They are elected at large on a partisan basis for four-year staggered terms.

### RESPONSIBILITIES INCLUDE:

- Director of County agencies
- Preparation of budgets for submittal to the Assembly of Delegates
- Care of County property
- Supervision of revenue collection and fund disbursement
- Reporting on the financial and administrative condition of the County
- Proposal of measures for Assembly action
- Power to veto ordinances
- Appointment and removal of County Administrator and all County employees.



The County Commissioners of Barnstable County submit the following report on the affairs of the county in accordance with Section 26 of Chapter 35 of the General Laws. The Commissioners met by adjournment on Wednesdays and on such other days as were necessary.

All taxes due from the fifteen (15) Towns within the county are paid to date.

On July 16, 1988, the Governor executed the Barnstable County Home Rule Charter. It was then accepted by the voters of Barnstable County at the November 8, 1988, State Election. On November 7, 2000, voters overwhelmingly passed a ballot question that asked, "Shall the revisions to the Barnstable County Charter proposed by the Assembly of Delegates establishing a Cape Cod Regional Government be adopted?" With its passage:

*Barnstable County Government became the Cape Cod Regional Government, known as Barnstable County. No changes were made to the existing revenue stream for Barnstable County, and no new taxes were created. Existing services and the ability to deliver regional services to Towns will be maintained.*

The County Budget process is now detailed in the Charter under Article 5 - Fiscal Procedures. The vote of each municipality is proportionate to the percentage of its population to the county's total population based on the most recent federal census or decennial census estimate. The County Tax is based on the Towns' equalized valuation as determined by the State Legislature and the Department of Revenue.

For the Fiscal Year 2022 revenue, the County Tax was increased by 2 ½ percent as permitted under Massachusetts General Laws.





FY'22

## SALARIES OF ELECTED COUNTY OFFICERS

County Commissioners.....\$14,178.60/annually  
Registrar of Deeds.....\$155,084.15 /annually  
Assembly of Delegates.....\$1,000.00/annually

## COUNTY PROPERTY

### 3195 Main Street, Barnstable, MA 02630 | 17.88+/- acres

Superior Court  
Deeds and Probate Courts  
First District Court  
Innovation Building  
Former House of Corrections Building  
Water Testing Laboratory  
Former Sheriff's House  
Recycling Garage

### 3675 Main Street, Barnstable, MA | 98 +/- acres

Former Sheriff's farm  
Barnstable County Cooperative Extension Offices

### Barnstable, MA | 6.61 +/- acres

Children's Cove building

### Barnstable, MA 6.08 +/- acres

Former Fire Training Academy  
155 South Flint Rock Road, Hyannis

### 5.03 +/- acres

Second District Courthouse  
237 Rock Harbor Road, Orleans

### 65+/- acres

Conservation land  
870 County Road, Bourne

### 5.3 +/- acres

Two single-family homes (one vacant)  
870 County Road, Bourne

### 5.44 +/- acres

AmeriCorps housing  
875 County Road, Bourne

### 5.03 +/- acres

Vacant land, 0 Phinney's Lane, Barnstable

## COUNTY OFFICERS

July 1, 2021– June 30, 2022

## COUNTY COMMISSIONERS

### Current Members

Sheila Lyons, Chair, Wellfleet  
Ronald Bergstrom, Vice-Chair, Chatham  
Mark Forest, Commissioner, Yarmouth

## COUNTY ADMINISTRATOR

Elizabeth Albert, County Administrator (from April 5, 2021)  
Vaira Harik, Assistant County Administrator (from September 13, 2021)

## ASSEMBLY OF DELEGATES

### Current Delegates FY22

Patrick Princi  
George Slade  
Mary Chaffee  
Randi Potash  
John Ohman  
J. Terence Gallagher  
Douglas Brown (resigned April 2022)  
Daniel Gessen (sworn-in July 2022)  
Elizabeth Harder  
Thomas O'Hara  
David Dunford  
Brian O'Malley  
James Killion  
Sallie Tighe  
Lilli-Ann Green  
Susan Warner



FY'22

# BOARD OF REGIONAL COMMISSIONERS

## **FINANCE DIRECTORS/COUNTY TREASURERS**

Robert Lawton, Interim Finance Director (November 21, 2021 - June 30, 2022)

Carol Coppola, Director of Finance/Treasurer (from May 20, 2022)

Stephen J. Amara, Deputy Director of Finance/County Accountant

Patricia D. Rogers, Assistant Treasurer

## **REGISTRAR OF DEEDS**

John F. Meade, Registrar

David B. Murphy, Assistant Registrar of Deeds

## **CAPE COD COMMISSION**

Harold Mitchell, Chairman

Kristy Senatori, Executive Director

Erin Perry, Deputy Director

## **GENERAL COUNSEL**

KP Law

## **COUNTY CLERK**

Robin Young

## **CAPE COD & THE ISLANDS CHILD ADVOCACY CENTER**

Stacy Gallagher, Director of Children's Cove

Beth Mitchell, Deputy Director of Children's Cove

## **CAPE COD COOPERATIVE EXTENSION**

Michael Maguire, Director of Cooperative Extension

Shannon Hulst, Deputy Director of Cooperative Extension

## **CAPE COD CENTER FOR PUBLIC SAFETY TRAINING**

Jeff Holmes, Fire Training Lead Instructor

Peter Carnes, Director - Cape Cod Municipal Police Academy

Wayne Sampson, Deputy Director - Cape Cod Municipal Police Academy

## **DIRECTOR OF FACILITIES**

Donald Reynolds, Director of Facilities

## **DEPARTMENT OF HEALTH & ENVIRONMENT**

Sean O'Brien, Director of Health and Environment

Erika Woods, Deputy Director of Health and Environment

## **DEPARTMENT OF HUMAN SERVICES**

Joseph Pacheco, Director of Human Services

Mandi Speakman, Deputy Director of Human Services (from November 1, 2021)

## **DREDGE PROGRAM**

Kenneth Cirillo, Dredge Director

## **INFORMATION TECHNOLOGY DEPARTMENT**

William Traverse, Director of Information Technology

Chris Burt, Deputy Director of Information Technology

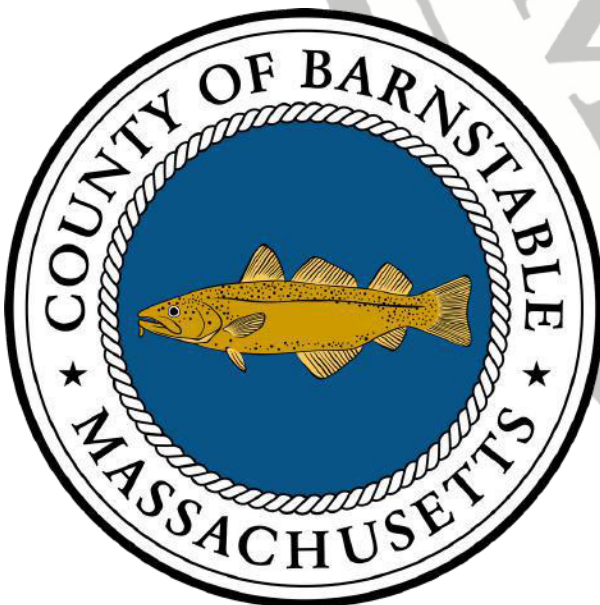


FY'22

ASSEMBLY OF DELEGATES

Report of the Barnstable County

ASSEMBLY OF DELEGATES







# ASSEMBLY OF DELEGATES

Cape Cod Regional Government (known as Barnstable County)

P.O. Box 427

3195 Main Street, Route 6A

Barnstable, MA 02630

[www.barnstablecounty.org](http://www.barnstablecounty.org)

## REPORT OF THE BARNSTABLE COUNTY ASSEMBLY OF DELEGATES

*For the Period July 1, 2021 and ending June 30, 2022*

The Assembly of Delegates is the legislative branch of Cape Cod Regional Government (also known as Barnstable County government). Each town within the county is duly represented on the Assembly of Delegates. Delegates are elected by the voters from each town for a two-year (calendar) term. The vote of each delegate is weighted to equal the percentage of the County's population that resides in the town that the delegate represents, based on the 2020 United States Decennial Census. The delegate representing the town of Barnstable has the largest weighted vote at 21.36 percent and the delegate representing the town of Truro has the smallest weighted vote at 1.07 percent.

Patrick Princi (Barnstable) served as Speaker, Mary Chaffee (Brewster) served as Deputy Speaker, and Owen Fletcher served as Assembly Clerk during Fiscal Year 2022, as elected by the Assembly for the Seventeenth Session (2021–2022).

The Assembly of Delegates typically holds regular meetings on the first and third Wednesday of each month at 4:00 p.m. in the Mary Pat Flynn Conference Center, at the Barnstable County Complex, located at 3195 Main Street in Barnstable. However, due to changes in response to the COVID-19 Pandemic, the Assembly generally held hybrid (in-person and remote) meetings in the Fiscal Year 2022 in accordance with Massachusetts General Laws, using the Microsoft TEAMS platform for virtual participation. Hybrid Assembly meetings are expected to continue into the Fiscal Year 2022. The physical location of the Office of the Clerk for the Assembly of Delegates is currently located at the Superior Courthouse Building at 3195 Main Street in Barnstable.

The legislative powers of county government are vested in the Assembly of Delegates, and except as provided in the Barnstable County Home Rule Charter, the acts of the Assembly of Delegates are required to be by ordinance or resolution. Ordinances are brought forward to the Assembly of Delegates, referred by the Speaker for review and discussion, prior to receiving a recommendation for a vote by the Assembly. The public can participate in the process when a proposed ordinance is scheduled for a public hearing.

Delegates are appointed to serve on Standing Committees of the Assembly and may also be appointed as liaisons or to serve on other ad hoc or special committees.

The Standing Committees of the 17th Session of the Assembly of Delegates are as follows:

**Budget Review:** review of supplemental and proposed county budgets (committee composition consists of all members of the Assembly of Delegates)

**Economic Affairs:** addresses economic development in Barnstable County

**Finance:** reviews the budget and looks at every major decision rendered by the Barnstable

County government that has financial implications including inter-governmental fiscal policies and procedures

**Governmental Regulations:** address all matters relating to the Regional Policy Plan (committee composition consists of the Chairs of all other Standing Committees)

**Health and Human Services:** addresses matters relating to public health, social services and housing

**Natural Resources:** addresses matters relating to environmental matters

**Public Services:** addresses matters relating to public services

**Telecommunications and Energy:** addresses matter relevant to telecommunications and energy policy and budgetary decisions of the Assembly and to the general welfare of the citizens of Barnstable County.

**Telecommunications and Energy:** addresses matter relevant to telecommunications and energy policy and budgetary decisions of the Assembly and to the general welfare of the citizens of Barnstable County.

Members of Assembly committees review the components of proposed ordinances under consideration prior to issuing a report to the full Assembly.

An important and significant responsibility of the Assembly is the review and adoption of a proposed budget for the ensuing fiscal year. A proposed budget is submitted to the Assembly of Delegates by the Board of County Commissioners (the executive branch of Barnstable County government). Standing Committees meet with department managers, review their budgets and programs, look at the goals and effectiveness of each program, and consider



information that is gathered through the public hearing process prior to making a recommendation to the full Assembly for a vote. This budget process typically takes place between February and May of each year. In Fiscal Year 2022 the full Assembly acting as the Budget Review Committee and the Finance Committee reviewed the Fiscal Year 2023 budget.

During FY2022 (July 1, 2021, through June 30, 2022), the Assembly of Delegates adopted fourteen ordinances (#21-13 through #21-18 and #22-01 through #22-13). A complete list of all ordinances adopted by the Assembly of Delegates is available upon request or can be viewed on the county website at <https://www.capecod.gov/county-government/assembly-of-delegates/official-documents/>.

The following information represents a list and description summary of the ordinances and adopted by the Assembly during Fiscal Year 2022:

#### 2021 (July through December)

**Ordinance 21-13:** To transfer from the FY21 general fund budget in the amount of \$30,000 as a match for the Office of Energy Assurance Military Installation Resilience Program. - **adopted by the Assembly on 7/7/2021.**

**Ordinance 21-14:** To amend Ordinance 17-05 to repurpose funds from the Superior Courthouse Roof Replacement to the Second District Roof Replacement. - **adopted by the Assembly on 10/20/2021.**

**Ordinance 21-15:** FY22 County operating budget supplemental appropriation for various purposes in the amount of \$541,396. - **adopted by the Assembly on 10/20/2021.**

**Ordinance 21-16:** To amend Barnstable County Ordinance 90-12, Chapter A: the Enabling Regulations Governing Review of Developments of Regional Impact to correct Scrivener's/clerical errors in the document. - **adopted by the Assembly on 11/3/2021.**

**Ordinance 21-17:** To utilize the ordinance process of the County Home Rule Charter to expend funds received under the American Rescue Plan Act of 2021 (ARPA) pursuant to Section 3-8 of the Barnstable County Home Rule Charter. - **adopted by the Assembly on 12/15/2021.**

**Ordinance 21-18:** To transfer to the County's Police Academy Special Fund for Fiscal Year 2022. - **adopted by the Assembly on 12/15/2021.**

#### 2022 (January through June)

**Ordinance 22-01:** To amend Ordinance 19-10, establishing the Barnstable County Human Rights Advisory Commission to add alternate commission members and make other technical changes. - **adopted by the Assembly on 2/2/2022.**

**Ordinance 22-02:** to transfer funds to Fund 8099 for PFAS clean-up at the former fire training site, by making a supplemental

appropriation for the Fiscal Year two-thousand and twenty-two - **adopted by the Assembly on 02/16/2022.**

**Ordinance 22-03:** to transfer to the County's Police Academy Special Fund for Fiscal Year 2021 - **adopted by the Assembly on 03/16/2022.**

**Ordinance 22-04:** to transfer funds to the County Department of Human Services by making a supplemental appropriation from the County Emergency Stabilization Fund to retain a consultant to complete a HOME Investment Partnerships American Rescue Plan Program (HOME-ARP) Allocation Plan required by the United States Department of Housing and Urban Development (HUD) Communications from Public Officials. - **adopted by the Assembly on 03/16/2022.**

**Ordinance 22-05:** Fiscal Year 2023 Cape Cod Commission Operating Budget - **adopted by the Assembly on 04/20/2022.**

**Ordinance 22-06:** To transfer funds to Fund 8099 to pay for ongoing licensed site professional contractual services, utilities, permits, filters, operation, and maintenance for PFAS clean-up at the former fire training site, by making an appropriation for the Fiscal Year two-thousand and twenty-two, in the amount of \$622,785.00 - **adopted by the Assembly on 04/20/2022.**

**Ordinance 22-07:** allocating \$10 million for distributions to towns from funds received by Barnstable County under the American Rescue Plan Act of 2021 (ARPA) - **adopted by the Assembly on 04/20/2022.**

**Ordinance 22-08:** Fiscal Year 2023 County Operating Budget - **adopted by the Assembly on 05/04/2022.**

**Ordinance 22-09:** Fiscal Year 2023 County Capital Budget - **adopted by the Assembly on 05/04/2022.**

**Ordinance 22-10:** Fiscal Year 2023 County Dredge Operating Budget - **adopted by the Assembly on 05/04/2022.**

**Ordinance 22-11:** To add to the County's operating budget for fiscal year two thousand twenty-three, as enacted in Ordinance No. 22-08, by making supplemental appropriations for fiscal year two thousand twenty-three, in the amount of \$97,457.20 to fund the activities of the County Information Technology Department - **adopted by the Assembly on 06/15/2022.**

**Ordinance 22-12:** To transfer in the County's operating budget for fiscal year two thousand twenty-three, as enacted in Ordinance No. 22-08, in the amount of \$41,420.33 to provide additional funding for the general fund budget of the Resource Development Office - **adopted by the Assembly on 06/15/2022.**

**Ordinance 22-13:** To add to the County's operating budget for Fiscal Year 2023, as enacted in Ordinance No. 22-08, by making supplemental appropriations for the Fiscal Year two-thousand and twenty-three, in the amount of \$83,590 to fund the Resource Development Office - **adopted by the Assembly on 06/22/2022.**

**Town Representation Sixteenth Session (July 2021 through June 2022)**  
**Assembly of Delegates**

**Town Representation  
Sixteenth Session (July 2021 through June 2022)  
Assembly of Delegates**

<b>Delegates</b>	<b>Town</b>	<b>% Weighted Vote</b>
Patrick Princi	Barnstable	21.36%
George Slade	Bourne	8.93%
Mary Chaffee	Brewster	4.51%
Randi Potash	Chatham	2.88%
John Ohman	Dennis	6.41%
J. Terence Gallagher	Eastham	2.51%
Douglas Brown (resigned April 2022)	Falmouth	14.20%
Daniel Gessen (sworn-in July 2022)	Falmouth	-
Elizabeth Harder	Harwich	5.87%
Thomas O'Hara	Mashpee	6.58%
David Dunford	Orleans	2.75%
Brian O'Malley	Provincetown	1.60%
James Killion	Sandwich	8.85%
Sallie Tighe	Truro	1.07%
Lilli-Ann Green	Wellfleet	1.56%
Susan Warner	Yarmouth	10.93

\*Note: The percentages listed have been rounded to the nearest hundredth. Exact numbers are used at meetings for all quorum and vote calculations.

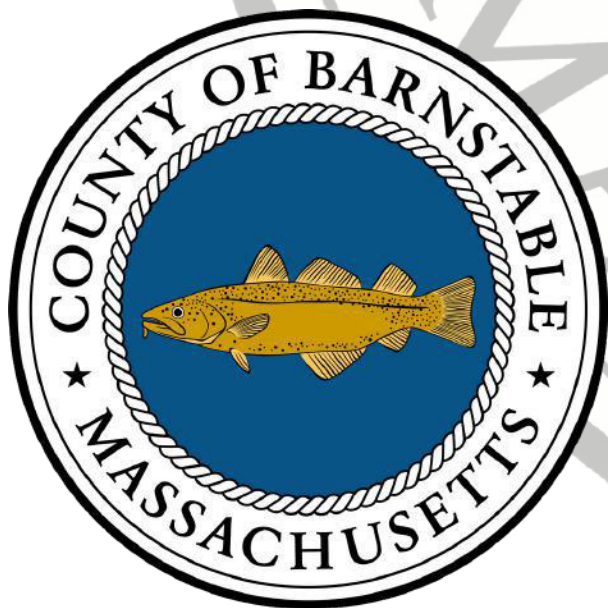
All questions regarding the operation or structure of the Assembly of Delegates, please contact the Assembly Clerk:  
Owen Fletcher  
Telephone (508) 375-6761  
[owen.fletcher@barnstablecounty.org](mailto:owen.fletcher@barnstablecounty.org)





FY'22

# Report of the Barnstable County HUMAN RIGHTS ADVISORY COMMISSION



# BARNSTABLE COUNTY HUMAN RIGHTS ADVISORY COMMISSION

P.O. Box 427  
3195 Main Street  
Barnstable, MA 02630  
508-375-6648 | Fax: 508-362-4136  
[www.barnstablecountyhrac.org](http://www.barnstablecountyhrac.org)

## REPORT OF THE BARNSTABLE COUNTY HUMAN RIGHTS ADVISORY COMMISSION

*For the Period July 1, 2021 and ending June 30, 2022*



### Commissioners

Barbara Morton  
Brian O'Malley  
Daniel Beltran  
Devin Witter  
Edgar Miranda  
George Leo Blandford  
Jason Parrent  
Jeanne Morrison  
Lynn Levine  
Mwalim Morgan Peters  
Rick Draper  
Theresa Santos  
Wendy Bierwirth

### Susan Quinones, Coordinator

[susan.quinones@barnstablecounty.org](mailto:susan.quinones@barnstablecounty.org) (July 2021-April 2022)

### Allison Carter, Administrative Assistant

[allison.carter@barnstablecounty.org](mailto:allison.carter@barnstablecounty.org)

### MISSION

The Barnstable County Human Rights Advisory Commission (BCHRAC) promotes equal opportunity in housing, employment, education, public accommodations, town and county services, insurance, banking, credit, and healthcare for all persons in Barnstable County regardless of race, color, religious creed, national origin, sex, age, ancestry, sexual or affection preference, marital, family or military status, source of income, neighborhood or disability.

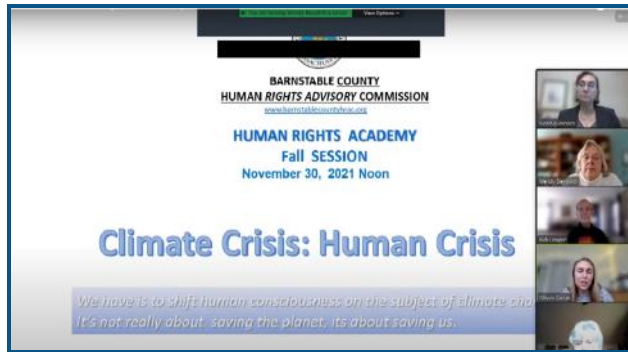
### RESPONSIBILITIES

- To promote and protect the basic human rights of all persons in Barnstable County.
- To enlist the cooperation and support of racial, religious, ethnic, civic, fraternal, benevolent, and private and public agencies in eliminating unlawful discrimination, and cultivating an atmosphere of mutual understanding of the county's cultural and social diversity.
- To promote community awareness and understanding of the county's diverse cultures through education and community action.
- To provide the public with a forum to identify and address human rights concerns within Barnstable County and, where possible, to assist in the resolution of complaints of human rights violations.



## HUMAN RIGHTS ACADEMY

In FY22, BCHRAC held two Human Rights Academies. The first session, Climate Crisis: Human Crisis, was held virtually on November 30, 2021. The event included a seminar on climate change and its impacts at the local level followed by a discussion on how climate change and human rights are interconnected. At the November 2021 virtual event, four middle and high schools were in attendance.



For the first in-person Human Rights Academy since 2019, we had five middle and high schools in attendance. The May 24, 2022 event aimed to unite students and provide a safe environment to discuss the COVID-19 impact on local students and their well-being. The advisors and students both expressed their appreciation for the food menu that included vegan, vegetarian, and gluten-free options. One advisor said these diets have become increasingly prominent in youth today, and that ours was the first event that truly recognized their dietary needs.



## ANNUAL AWARDS

**The Malcolm McDowell Award** is named in honor of the noted human rights activist and former member of the Barnstable County Human Rights Commissioner. This award is open to juniors and seniors who are members of the Human Rights Academy. Successful candidates will demonstrate initiative, leadership, and dedication to improving the human rights atmosphere of Barnstable County and the wider world.

Josie Gaynor was selected for this year's award because of her demonstrated leadership and initiative in collaborating with other activism clubs to further human rights causes.



Some of these collaborations include working on the right to education and water for all people. Ms. Gaynor has been an active member of Nauset Regional High School's Human Rights Academy for three years. Following graduation, Josie plans to be an elementary school teacher.

**The Tim McCarthy Human Rights Champion Award** is given to an individual or organization working to promote human rights. This year's recipient is Sandra Faiman-Silva. Sandra authored The Courage to Connect about the welcoming, sexually diverse tourist enclave of Provincetown. She has long served on the board of Independence House, which provides an array of services for domestic and sexual abuse survivors throughout Cape Cod and is active in the Cape Cod chapter of Common Start Coalition, whose goal is to make high-quality early education and childcare affordable to all families.

**The Rosenthal Community Champion Award** is given to an individual in the public sector who has fostered and supported human rights, concepts, and ideals. This year's recipient is John Reed. A former educator and head of the Cape Cod NAACP branch for 25 years, John Reed is a fierce human and civil rights advocate. He has worked collaboratively with community leaders and legislators for a half-century to identify and address the problems and needs of the underserved.

**The Cornerstone Award** is given to individuals recognized by their peers, community, and associates as those who have fostered and supported human rights, concepts, and ideals. This year's recipient is William Mills, a former Cape Cod Times journalist. As an editorial page editor for Cape Cod Times for over 22 years, he covered stories on threats to the Wampanoag people, threats to the environment, elections, immigration, gun rights, and civil rights. In addition to launching the CCT Civility Project, Mr. Mills is on the Board of the Council of Churches and a volunteer for Faith Family Kitchen and Sandwich Meals on Wheels.

## Human Rights Breakfast

The theme for the 2021 Human Rights Award Breakfast was Honoring the Wampanoag Nation-Keepers of the Earth. BCHRAC had 93 virtual attendees at the live event and 220 YouTube views. Notable speakers from this year's event include the following:



- Keynote Speaker: Jonathan James Perry, Wampanoag Tribe of Gay Head Aquinnah, Tribal Councilman
- Representatives from the Mashpee Wampanoag Tribe, Herring Pond Wampanoag Tribe, and Wampanoag Tribe of Gay Head Aquinnah
- Melissa Ferretti, Chairwoman of the Herring Pond Wampanoag Tribe
- Brian Weeden, Chairman of the Mashpee Wampanoag Tribe.
- Nelson Andrews, Mashpee Wampanoag Tribe Emergency Management Director
- Cheryl Andrews-Maltais - Chairwoman of The Wampanoag Tribe of Gay Head Aquinnah
- Leslie Jonas, Vice Chair, Native Conservancy
- Congressman Bill Keating
- Senator Susan Moran
- State Representative Kip Diggs
- State Representative David Vieira
- State Representative Sarah Peake

## COMMITTEES

### Outreach and Events Committee

This committee establishes and maintains relationships with individuals, groups, and local government to enhance the impact of the BCHRAC regarding Human Rights. Members report on significant activities in the community, meet, and network with like-minded groups, and convene events or activities that will engage the whole community around Human Rights issues.

### Communications Committee

The Communications Committee supports the publicizing of all BCHRAC activities and events; provides and/or coordinates content to the County Human Services Newsletter, local Op-Ed pages, BCHRAC website, and select social media platforms; ensures that BCHRAC Web Site content is up to date (events, meetings, documents, news); and provides Human Rights resources for publication on the County's Human Services Resource Page.

### Education Committee

With Education at the heart of the BCHRAC mission, this Committee develops, coordinates, and/or delivers presentations, workshops, panels, discussions, or forums to educate and engage the entire community in Human Rights issues.

### Complaint Intake Taskforce

The Intake Committees seek to assist residents of visitors to the area with addressing human rights or civil rights violations that occur within Barnstable County.

### Strategic Planning Committee

The Strategic Planning Committee leads the creation of the Five-Year

Strategic Plan to ensure that all work conducted under the banner of the BCHRAC adheres to and aligns with the Ordinance, and all programs developed and implemented by the Barnstable County Human Rights Advisory Commission are informed by the Strategic Plan.

**Accomplishments:** The BCHRAC Strategic Plan was updated as of March 12, 2022.

### Human Rights Awards Breakfast Committee

The Commission celebrates UN Human Rights Day on December 10th with hundreds of participants on Cape Cod. The task force organizes all aspects of the breakfast, including the selection of a theme and the solicitation and selection of nominees for the Cornerstone and Rosenthal Community Championship Awards.

### Human Rights Academy Committee

The Human Rights Academy holds two sessions each year in the Fall and Spring where students from all over the county meet to highlight the work they have done in support of human rights. They also reward students who demonstrate leadership in improving human rights on Cape Cod and worldwide.

### Human Rights Complaint Intake

The Barnstable County Human Rights Advisory Commission (BCHRAC) is an advisory body established by Barnstable County to promote human rights for residents of, employees in, and visitors to Barnstable County (the fifteen Towns from Bourne and Sandwich to Provincetown). A complaint can be filed by a resident or a visitor to the area seeking assistance with an alleged human rights or civil rights violation that occurs within Barnstable County. The BCHRAC upholds the anti-discrimination laws of Massachusetts which protect all people in MA from being treated differently or unfairly based on their membership in a protected class.

The task force cannot provide legal services. We make every effort to ensure each complaint is heard and addressed. We may also be able to help individuals access mediation, training, or other services/agencies to help them reach a satisfactory resolution. In FY22, BCHRAC handled four formal complaints and five informal complaints in our efforts to support everyone in Barnstable County.

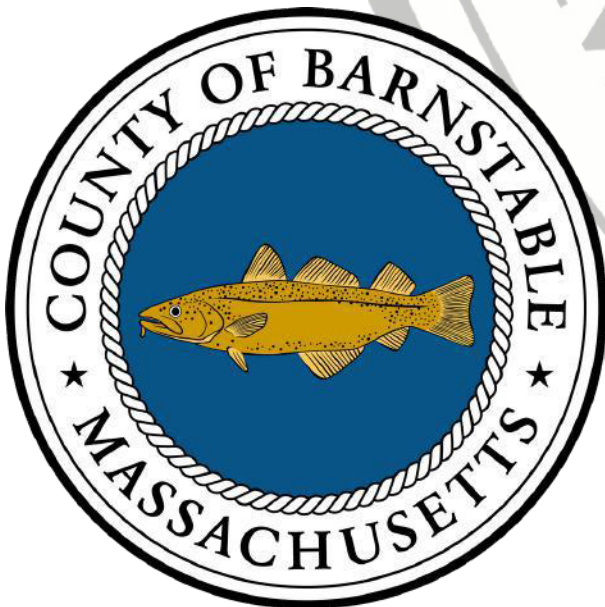
**Ordinance-22-01:** Allows for two (2) alternate commissioner positions to be created. Now, the HRAC shall consist of nine (9) members and two (2) alternate members appointed by the Barnstable County Board of Regional Commissioners. The alternate members may serve on various Committees but may not serve as Chair of the Advisory Commission nor of any Committee or vote except when participating in place of a regular Advisory Commission Member. The ordinance shall replace Ordinance 19-10 in its entirety - adopted by the Assembly of Delegates on February 2, 2022.



FY'22

# Report of the Barnstable County DEPARTMENT OF FINANCE & TREASURER

FINANCE & TREASURER





FY'22

# DEPARTMENT OF FINANCE & COUNTY TREASURER

Cape Cod Regional Government (known as Barnstable County)

P.O. Box 427

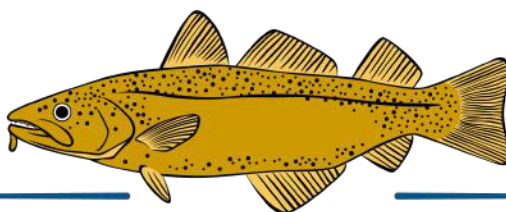
3195 Main Street, Route 6A

Barnstable, MA 02630

[www.barnstablecounty.org](http://www.barnstablecounty.org)

## REPORT OF THE BARNSTABLE COUNTY DEPARTMENT OF FINANCE

*For the Period July 1, 2021 and ending June 30, 2022*



# BARNSTABLE COUNTY

## FINANCE DEPARTMENT

**Carol Coppola, Director of Finance/County Treasurer**

508-375-6915 | [carol.coppola@barnstablecounty.org](mailto:carol.coppola@barnstablecounty.org)

**Stephen Amara, County Accountant/Deputy Director of Finance**

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**Jennifer Frates, Chief Procurement Officer**

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**Kara Mahoney, County Auditor**

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**Patricia Rogers, Assistant Treasurer**

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**Pricilla Ellis, Finance Assistant**

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**Julie Ferguson, Senior Fiscal Grant Officer**

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**Bobbi Mortiz, Fiscal Grant Officer**

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**Quan Tobey, Fiscal Grant Officer**

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**Naomi Marinelli, Fiscal Grant Officer**

774-314-2253 | [naomi.marinelli@barnstablecounty.org](mailto:naomi.marinelli@barnstablecounty.org)



FY'22



### **The Barnstable County Department of Finance respectfully submits its Annual Report for Fiscal Year 2022**

It is the mission of the Department of Finance to facilitate the exchange of accurate financial information to all members of the public, departments of the county, elected officials, and communities served. A firm commitment to safeguarding the financial interest of the County, upholding effective budgeting and budgetary control, and preserving the internal control structure to ensure the integrity of financial and accounting information. The department maintains a high level of compliance with all pertinent federal, state, and local laws and regulations.

Recent accomplishments include the following:

- *Maintained AA bond rating for the County from Standard & Poors,*
- *Received unqualified (clean) audit opinion on the June 30, 2021, independent audit report,*
- *Completed a general obligation borrowing for Bond Anticipation Notes (BANs) at a very desirable interest cost of 2%,*
- *Initiated deployment of Munis ERP system modules to increase efficiencies and effectiveness,*
- *Managed 56 federal, state, and local grants totaling just under 11 million dollars.*

The following pages include abbreviated financial statements for Barnstable County for the year ending June 30, 2022. Tax assessments to county municipalities, revenue and expenditure operating budget results, detailed statements on outstanding debt, and a report of all funds under the management and control of Barnstable County are included in the Annual Report.

These statements reflect the county's financial position in accordance with the Uniform Municipal Accounting System (UMAS), required by the Department of Revenue. Financial records are also maintained to comply with Generally Accepted Accounting Principles and Governmental Accounting Standards. Audited financial reports can be found on the County's website.

The department continues to strengthen and strive for excellence in financial reporting; initiatives in place for the current fiscal year 2023 include the preparation of an Annual Comprehensive Finance Report (ACFR). The county's ACFR examines all funds, departments, organizations, offices of elected officials, and authorities that make up the county's legal entity. The ACFR is an important tool used to analyze the county's overall financial position for purposes of bond financing and for establishing financial transparency and credibility with its creditors and oversight agencies.

*Carol Coppola*

Director of Finance/Treasurer





## FINANCE &amp; TREASURER

Barnstable County										
Combined Balance Sheet - All Fund Types and Account Groups as of June 30, 2022 (Unaudited)										
ASSETS	General	Cape Cod Commission	Capital Projects	Dredge	Registry of Deeds	Septic Loan Program	Special Revenue	Long-term Debt	Totals (Memorandum Only)	
Cash and cash equivalents	27,160,681	7,333,625	2,412,733	289,447	4,120,752	8,227,517	56,666,501		106,211,256	
Receivables:										
Departmental	2,216,629			61,778		11,685,585	4,043,931		18,007,922	
Other receivables							75,000		75,000	
Amounts to be provided - payment of bonds								23,998,846	23,998,846	
Total Assets	29,377,309	7,333,625	2,412,733	351,225	4,120,752	19,913,102	60,785,432	23,998,846	148,293,024	
<b>LIABILITIES AND FUND EQUITY</b>										
Liabilities:										
Accounts payable	336,790	32,831		43,217	4,127,272	377,835	1,192,176		6,110,120	
Withholdings	489,215								489,215	
Deferred revenue:										
Departmental	2,216,629			61,778		11,685,585	4,043,931		18,007,922	
Tallings	19,295				(6,520)				19,295	
Agency Funds								4,527,000	9,054,000	
Notes payable			4,527,000					19,471,846	19,471,846	
Bonds payable								23,998,846	53,145,879	
Total Liabilities	3,061,929	32,831	4,527,000	104,994	4,120,752	12,063,420	5,236,106			
Fund Equity:										
Reserved for encumbrances										
Reserve for W/C Liability	248,807	168,129	119,325	3,398		199,490	2,337,079		3,076,228	
Reserved Fund Balance		1,666,358							1,666,358	
Undesignated Fund balance	26,066,574	5,453,307	(2,233,592)			7,650,192	53,212,246		90,148,728	
Unreserved retained earnings				242,832					242,832	
Total Fund Equity	26,315,381	7,300,794	(2,114,267)	246,230	-	7,849,682	55,549,325	-	95,147,145	
Total Liabilities and Fund Equity	29,377,309	7,333,625	2,412,733	351,225	4,120,752	19,913,102	60,785,432	23,998,846	148,293,024	



**Barnstable County  
Outstanding Debt  
June 30, 2022**

Purpose of Loan	Issue Date	Maturity Date	Original Note/Bond	Rate %	Payable	Outstanding Principal	New Debt Issued	FY22 Retirements	06-30-2022 O/S Princ	FY 23 Retirements	06/30/2023 O/S Prin
T5-05-1685 Community Septic Mgt Program Bond	03/18/09	07/15/27	2,850,000	0%	Annually	1,050,000	0	150,000	900,000	150,000	750,000
T5-05-1685-A Community Septic Mgt Program Bond	11/22/10	07/15/29	2,550,000	0%	Annually	1,207,890	0	134,210	1,073,680	134,210	939,470
T5-05-1685-B Community Septic Mgt Program Bond	11/22/10	07/15/30	3,600,000	0%	Annually	1,800,000	0	180,000	1,620,000	180,000	1,440,000
T5-05-1685-C Community Septic Mgt Program Bond	07/08/10	07/15/30	3,000,000	0%	Annually	1,500,000	0	150,000	1,350,000	150,000	1,200,000
T5-05-1685-D Community Septic Mgt Program Bond	05/22/13	01/15/33	4,000,000	0%	Annually	2,400,000	0	200,000	2,200,000	200,000	2,000,000
T5-05-1685-E Community Septic Mgt Program Bond	05/22/13	01/15/33	3,000,000	0%	Annually	1,800,000	0	150,000	1,650,000	150,000	1,500,000
T5-05-1685-F Community Septic Mgt Program Bond	05/22/13	01/15/33	5,000,000	0%	Annually	3,000,000	0	250,000	2,750,000	250,000	2,500,000
T5-05-1685-G Community Septic Mgt Program Bond	11/15/15	01/15/35	5,000,000	0%	Annually	3,500,000	0	250,000	3,250,000	250,000	3,000,000
MCWT Bond - Town of Barnstable	01/15/17	01/15/37	2,950,000	2%	Annually	2,449,587	0	131,421	2,318,166	134,049	2,184,117
Multiple Purpose Bond 2017	09/20/17	09/15/32	4,387,000	5%	Annually	2,860,000	0	500,000	2,360,000	500,000	1,860,000
Bond Anticipation Notes	05/25/22	05/24/23	1,643,911	2.0%	At Maturity	1,643,911	3,285,000	401,911	4,527,000	108,333	TBD
			<b>37,980,911</b>			<b>23,211,388</b>	<b>3,285,000</b>	<b>2,497,542</b>	<b>23,998,846</b>	<b>2,206,592</b>	<b>17,373,587</b>

**BARNSTABLE COUNTY FY 2022 TAX SCHEDULE**

TOWN	EQUALIZED VALUATION	TAX RATE	%	FY 2022 COUNTY TAX	FY 2022 CCEPF TAX	FY 2022 TOTAL TAX
BOURNE	5,178,654,100	3.65	5.43%	\$191,948	\$205,795	\$397,743
BREWSTER	4,380,442,300	3.08	4.59%	\$161,973	\$173,658	\$335,631
CHATHAM	7,904,158,600	5.57	8.28%	\$292,919	\$314,049	\$606,968
DENNIS	7,955,584,100	5.60	8.34%	\$294,496	\$315,740	\$610,236
EASTHAM	3,250,149,400	2.29	3.41%	\$120,428	\$129,115	\$249,543
FALMOUTH	13,186,717,700	9.29	13.82%	\$488,548	\$523,790	\$1,012,338
HARWICH	6,396,397,000	4.50	6.70%	\$236,649	\$253,720	\$490,369
MASHPEE	5,990,551,100	4.22	6.28%	\$221,924	\$237,933	\$459,857
ORLEANS	4,515,570,600	3.18	4.73%	\$167,232	\$179,295	\$346,527
PROVINCETOWN	3,620,873,900	2.55	3.79%	\$134,101	\$143,775	\$277,876
SANDWICH	4,979,931,300	3.51	5.22%	\$184,586	\$197,901	\$382,487
TRURO	2,485,412,200	1.75	2.60%	\$92,030	\$98,669	\$190,699
WELLFLEET	2,661,294,900	1.87	2.79%	\$98,341	\$105,435	\$203,776
YARMOUTH	6,880,187,700	4.84	7.21%	\$254,529	\$272,890	\$527,419
	\$ 95,416,933,000	67.19	100.00%	\$3,533,428	\$3,788,320	\$7,321,748



FY'22

# FINANCE & TREASURER

## BARNSTABLE COUNTY - FISCAL YEAR 2022 OPERATING BUDGET EXPENDITURES

ACCOUNT DESCRIPTION	ORIGINAL APPROP	TRANSFRS/ADJSMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
100 COUNTY COMMISSIONERS OFFICE	1,205,139	100,754	1,305,893	1,051,426	81,000	173,467	86.70
102 HUMAN RIGHTS COMM	40,065	41	40,106	37,637	-	2,470	93.80
105 INFORMATION TECHNOLOGY	1,310,296	102,493	1,412,789	1,268,001	1,803	142,984	89.90
130 ASSEMBLY OF DELEGATES	378,873	288	379,161	296,424	(348)	83,085	78.10
140 FINANCE	1,310,452	61,104	1,371,556	1,330,118	1,887	39,551	97.10
190 CENTRAL PURCHASING	0	4,300	4,300	4,279	-	21	99.50
200 FACILITIES	2,624,963	19,272	2,644,235	2,044,225	57,682	542,328	79.50
230 COOPERATIVE EXTENSION	2,176,403	88,725	2,265,128	2,062,933	18,896	183,299	91.90
240 REGISTRY OF DEEDS	2,555,055	56	2,555,111	2,439,793	(288)	115,605	95.50
300 HEALTH & ENVIRONMENT	3,293,490	163,281	3,456,771	3,053,438	15,458	387,875	88.80
310 HUMAN SERVICES	802,205	38,972	841,177	659,438	-	181,740	78.40
320 CHILDREN'S COVE	500,297	3,177	503,474	457,636	2,556	43,283	91.40
460 CENTER FOR PUBLIC SAFETY	768,309	109,398	877,707	603,640	25,012	249,055	71.60
560 WATER QUALITY INITIATIVES	30,000	0	30,000	-	-	30,000	0.00
900 FRINGE BENEFITS	1,198,199	0	1,198,199	1,091,778	-	106,421	91.10
910 MISC. & CONTINGENCY	919,862	991,614	1,911,476	1,986,515	48,763	-123,802	106.50
920 DEBT SERVICE & INTEREST	911,293	0	911,293	897,289	-	14,004	98.50
GENERAL FUND EXPENDITURES	20,024,901	1,683,476	21,708,377	19,284,568	252,422	2,171,387	90.00

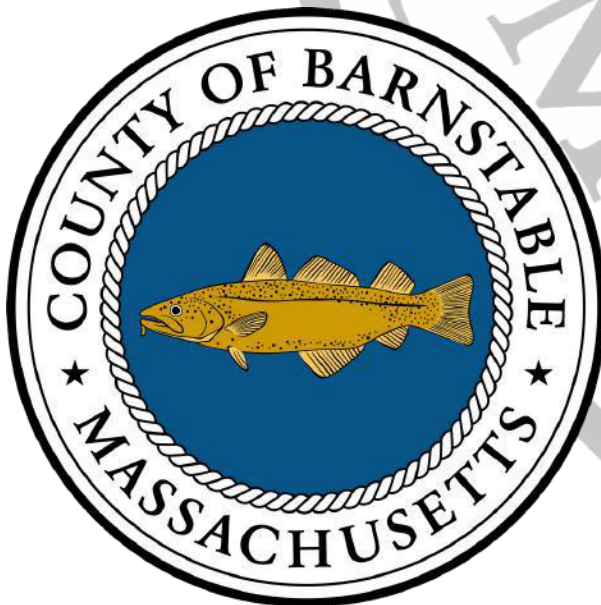




FY'22

# Report of the Barnstable County **PURCHASING DIVISION**

**PURCHASING**





# PURCHASING DIVISION

Cape Cod Regional Government (known as Barnstable County)

P.O. Box 427

3195 Main Street, Route 6A

Barnstable, MA 02630

<https://www.capecod.gov/purchasing/>

E-Bidding Site: <https://barnstablecounty.bonfirehub.com>

## REPORT OF THE BARNSTABLE COUNTY PURCHASING DIVISION

*For the Period July 1, 2021 and ending June 30, 2022*

### Jennifer Frates, Chief Procurement Officer

508-375-6637 | [Jennifer.Frates@barnstablecounty.org](mailto:Jennifer.Frates@barnstablecounty.org)

Established in 1979 by a vote of the County Commissioners, the Purchasing Department maintains a centralized purchasing system of goods and services for County departments and to serve Barnstable County's towns. Through the coordination of bids, town and county departments can take advantage of the cost savings involved with the procurement of goods and services in large volumes.

The Purchasing Division adheres to the procurement policies for local governments set by the Massachusetts Legislature through Chapter 30B, Chapter 30,39M, and Chapter 149 of the Massachusetts General Laws. These regulations were enacted to foster effective competition and avoid price discrimination and unfair methods of competition. They also help to prevent "favoritism" in the awarding of contracts as bids are awarded to the responsive, responsible bidder offering the lowest price.

**COLLECTIVE BIDS:** Many of the towns of Barnstable County partner with County Purchasing to solicit bids collectively. In Fiscal Year 2022, the Purchasing Division took the lead in the coordination of bids for the following goods and services:

**#7941** - Actuarial Services: The Purchasing Division solicited this bid on behalf of the member units of the municipal Retirement Systems of Cape Cod and the Islands for actuarial service of "other post-employment benefits" in accordance with Government Accounting Standards Board (GASB), Accounting and Financial Reporting by Employers for Post-employment Benefit Plans Other Than Pension Plans GASB Statement 74 (GASB 74) Financial Reporting for Post-employment Benefit Plans Other Than Pension Plans and GASB Statement 75 (GASB 75) Accounting and Financial Reporting by Employers for Post-employment Benefit Plans Other Than Pension Plans.

**#7947** - Falmouth Roadway Construction Items & **#7948** - Falmouth Water Chemicals: The Purchasing Division solicited these bids on behalf of the Town of Falmouth that missed the initial bid process from the Spring of 2021.

**#7954** - Shellfish Seed Supplier: These bids are procured on behalf of the Barnstable County Division of Marine Fisheries Municipal

Shellfish Propagation Program. The product is distributed to participating towns within the county.

**#7958 & #7959** - Road Construction Items and Materials and Road Resurfacing Projects: Twelve towns participated in the bids for various categories of roadway construction work.

**#7960** - Trailers Eastham & Truro: Solicited on behalf of the Towns of Eastham and Truro, for the supply and delivery of 2-3 Closed Top Ejector Trailers.

**#7961** Household Hazardous Waste Collections: The Purchasing Division solicits this bid on behalf of the Cape Cod Cooperative Extension, which provides for the collection of household hazardous waste materials at twenty-four sites across the County. Residents can drop off items that are not collected through the transfer station at these events.

**#7962** - Portable Toilets: This bid is for the lease and maintenance of portable toilets for use at special events, in beach or park areas, and in other applications where temporary or permanent portable units may be required.

**#7963** - Golf Course Materials and Services: Municipal golf courses and other municipal departments receive discounted prices on materials such as fertilizers, fungicides, growth regulators, and insecticides through this bid.

**#7965** - Trades person List: The Municipal Modernization Act which was enacted into law in 2016 allows for municipalities to establish a "blanket" list of pre-approved tradespersons to be used to procure construction projects that are estimated to cost between \$10,000 and \$50,000. Barnstable County Purchasing worked with the towns in the County and the Massachusetts Office of the Attorney General to establish a "blanket" list of pre-approved tradespersons. Since that time, the Purchasing Division has continued to issue Requests for Qualifications and has established a list of sixty vendors offering services in seventeen different trade categories. By requesting quotes from this list, municipal departments can save time procuring work for small projects. The Purchasing Division updated instructions for the Towns on how to utilize these contracts and remain in compliance. Thirteen vendors were added to eight trade categories.

**#7976** - Supply and Delivery of Fuel Oil: The Purchasing Division organized a collaborative bid for the supply and delivery of fuel oil to thirty municipal buildings across the County for an estimated total of 112,850 gallons of heating oil.

**#7977** Supply and Delivery of Gasoline and Diesel Fuel: Various municipal entities, schools, fire districts, and water districts across Barnstable County along with County Dredge participated in a collaborative bid for over 1,500,000 gallons of gasoline and diesel fuel.

**#7979** - Bulk Purchase of Copy Paper: The Purchasing Division solicited bids for the purchase of 5,720 cases of copy paper for bulk delivery to eight school districts & municipalities in Barnstable County and Nantucket.

**#7980** - Supply and Delivery of Caustic-Potash (potassium Hydroxide – KOH), Sodium Hypochlorite, Sodium Hydroxide, Hydrated Lime, and Citric Acid: Eleven water departments participated in this bid for chemicals commonly used by water departments.

**#7981** - Disposal of Construction and Demolition Waste: Bids were solicited for the disposal of Construction, Demolition, and other wastes not acceptable at MSW facilities, from the Towns within the County to a DEP-approved site for the period of July 1, 2022, through June 30, 2023, with the option to renew for two additional one-year periods.

**#7982** - Transportation of Municipal Solid Waste (MSW): Bids were solicited for the transportation of Municipal Solid Waste (MSW) from Town Transfer Stations to the Disposal Site for the period of July 1, 2022, through June 30, 2023, with the option to renew for two additional one-year periods.

**COLLECTIVE BIDS (RENEWALS):** The Purchasing Division is responsible for also exercising renewal extensions, if applicable, for goods and services procured in a previous fiscal year.

**#7935** - Elevator Maintenance and Repair

**COUNTY BIDS:** Aside from the collective bids, the Purchasing Division also solicited the following bids on behalf of the County departments:

**#7924** Fire Training Academy Burn Building

**#7945** County Complex Master Plan

**#7949** Hydrographic Survey Services

**#7950** Orleans Second District Roof Replacement

**#7951** County Website Redesign

**#7952** ARPA Consultant

**#7953** Dredge Department Spare Parts

**#7955** Broadband Consultant

**#7956** Dredge Rental & Support

**#7957** Booster Station Rental

**#7964** Early Education and Childcare Needs Assessment

**#7967** Water Quality Monitoring

**#7968** Housing Needs Assessment

**#7969** HUD Monitoring

**#7970** Fire Training Academy Monitoring

**#7971** HOME ARP Consultant

**#7972** Index Verification Deeds

**#7973** Computer Programming Deeds

**#7974** Landscaping Services

**#7975** Cooperative Extension Office Space

**#7978** Marketing Services

**PURCHASE ORDERS:** The Purchasing Division processed 2,826 purchase orders for County departments during Fiscal Year 2022.

**CAPE COD ASSOCIATION OF PUBLIC PURCHASING OFFICIALS:** The Cape Cod Association of Public Purchasing Officials (CCAPPO) was established by the County in 2006 to provide education and networking for local officials who are involved in the procurement duties in their towns. Participants can earn credits toward recertification for the Massachusetts Certified Public Purchasing Official (MCPPO) designation through attendance at these meetings. CCAPPO met bi-monthly with presenters on topics of interest to procurement officials.

Presentation topics from FY22 included:

- Supplier Diversity Office (SDO) – Supplier Diversity Programs
- Division of Capital Asset Management and Maintenance (DCAMM) – Public Construction Procurement & Oversight.
- Massachusetts Clean Water Trust & MassDEP – SRF Funding Overview
- Sourcwell & CoProcure – Cooperative Contracts
- Department of Labor Standards – Prevailing Wage
- MHEC – iBuy
- OSD – Commbuys Punchouts



## TAKING PROCUREMENT INTO THE FUTURE

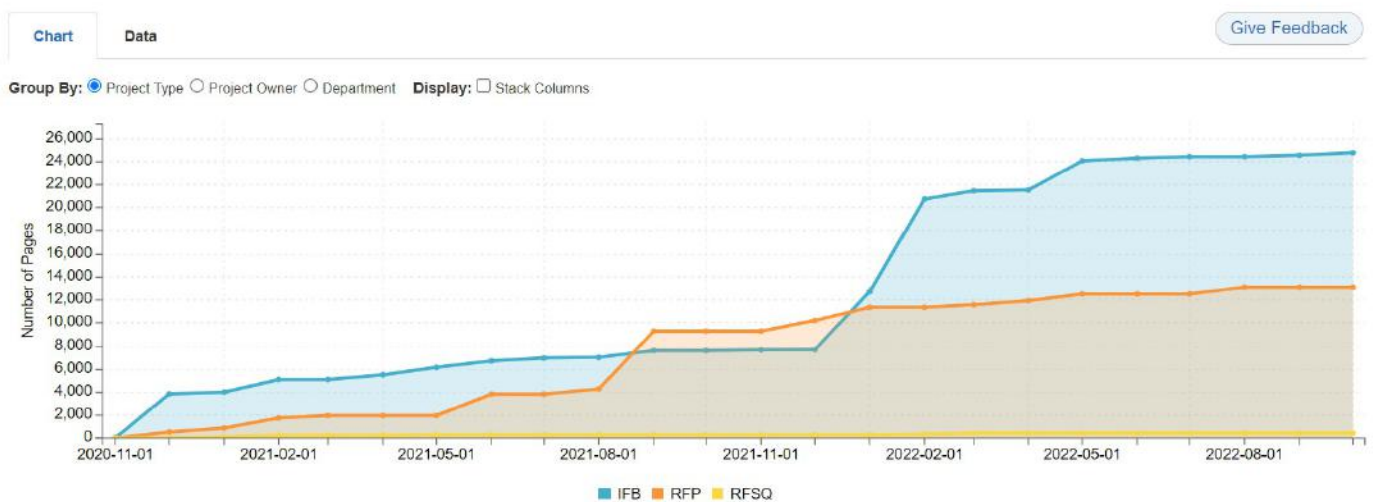
The Purchasing Department over FY22 continued to transition from a transactional purchasing process to a more strategic procurement approach using data to drive decisions and efficiencies resulting in savings and value-added services. The foundation of any Purchasing operation includes fair competition, obtaining the best value, compliance, and education. The development of a Procurement operation will build relationships with stakeholders, coordinate purchase needs in the early stages, identify suppliers, research market trends, standardization of products and services, train personnel, avoid duplication and waste, negotiate contracts, plan risk-mitigation and continually search for alternative ideas and products to improve efficiency.

### INITIATIVES:

**Technology** - The Purchasing Department in FY22 continued the initiative to streamline previous procurement processes. This Green initiative eliminated the use of paper for bids and contracts which saved the County in postage and office supplies but also continued the overall mission of the County to be more sustainable and environmentally conscious.

### Pages of Paper Saved over Time

The sum of pages of all proposal files multiplied by the number of participants in the project.



This chart shows the amount of paper saved by migrating to a fully electronic procurement bidding system.

**KPI's (Key Performance Indicators) and Metrics** –The benefits of having better data will identify future bidding opportunities, provide transparency, ensure compliance with purchasing laws, policies, and procedures, and be a source of continuous improvement.

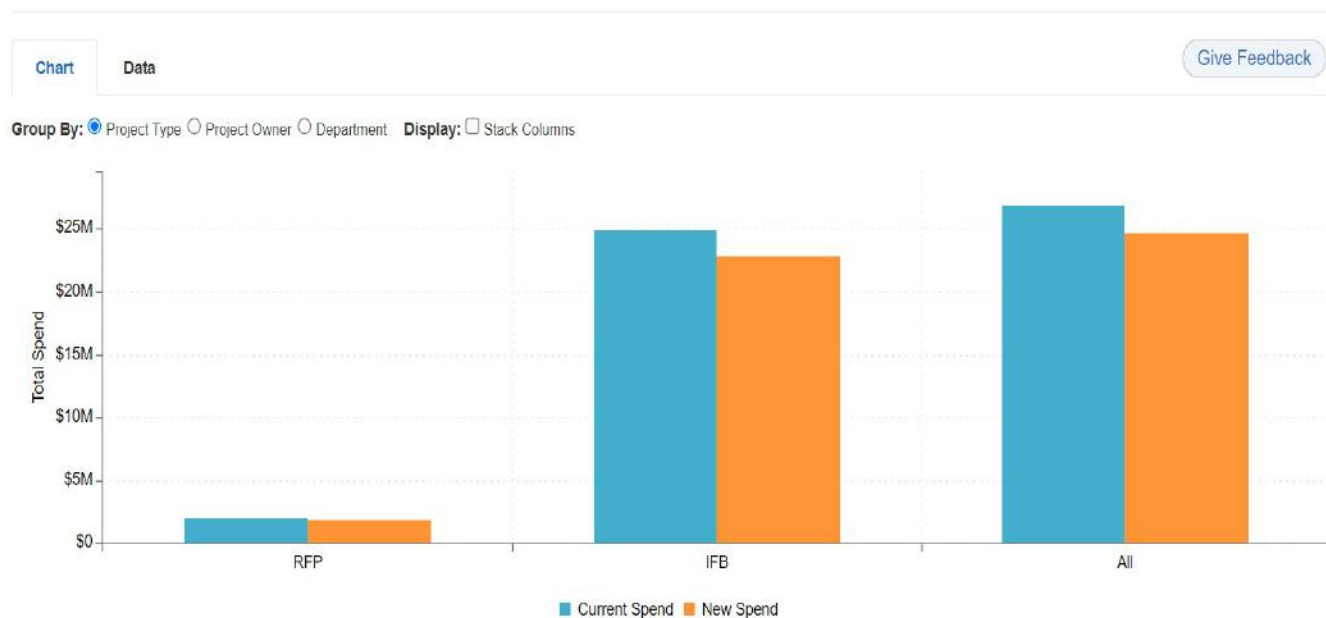
#### FY22 Data

- Bid Savings (Cost Avoidance) for FY 2022: \$1,417,881.90
- Number of Bids: 45
- Number of Request for Quotes: 6
- Purchase Orders: 2,826
- State Contract Spend: \$660,171.47
- Consortium Contract Spend: \$363,106.04
- Surplus Revenue Through Government Auction: \$198,236.00
- Number of Pages saved through E-Bidding: 38,218 (Estimated cost savings \$1,870)



## Project Spend

A measure of total spend (current and new) based on Project Cost Management data



**TRAINING PROGRAMS** – The success of any organization is the proper training of its staff giving them the tools and resources needed to be able to perform their duties and comply with the policy. The Purchasing Department will look to offer training programs on a variety of topics including bidding, contracting, general purchasing policy, p-card, state contracts, and more.

- Munis User Group – Entering Requisitions – July 2021 (2 sessions)
- General Procurement Policies – August 2021
- Bids & RFPs – August 2021
- Contract Management – August 2021
- P-Card – (Various pieces of training offered throughout the fiscal year)

**IN CONCLUSION:** The Purchasing Division will continue its goals of encouraging fair competition, obtaining the best value, ensuring the ongoing accountability of public funds, educating those who are involved in the public procurement process, and exploring new ways to help the county and towns save money through collective purchasing.

Respectfully Submitted,  
*Jennifer Frates*  
 Chief Procurement Officer

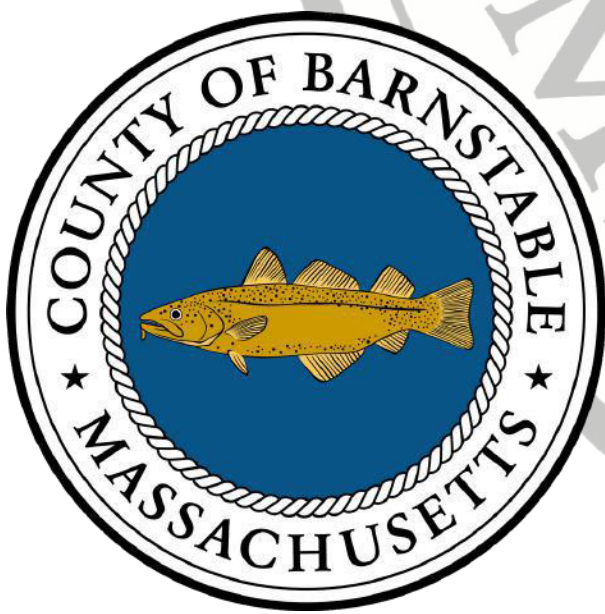


FY'22

REGISTRY OF DEEDS

Report of the

# BARNSTABLE COUNTY REGISTRY OF DEEDS



# BARNSTABLE COUNTY REGISTRY OF DEEDS

Railroad Avenue  
P.O. Box 368  
Barnstable, MA 02630  
508-362-7733

[www.barnstabledeeds.org](http://www.barnstabledeeds.org)

*Report for the Period July 1, 2021 and ending June 30, 2022*

*Recording Hours: Monday through Friday 8:00 am - 4:00 pm*

*Research Hours: Monday through Friday: 8:00 am - 4:00 pm*

## ADMINISTRATION

### John F. Meade, Esq., Registrar of Deeds

[jmeade@barnstabledeeds.org](mailto:jmeade@barnstabledeeds.org) | 508-375-6931

### David B. Murphy, Esq., Assistant Registrar of Deeds

[dmurphy@barnstabledeeds.org](mailto:dmurphy@barnstabledeeds.org) | 508-375-6932

### Kathleen J. Grenier, Executive Administrative Assistant

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### Paula J. Esmond, Finance Assistant

[pjesmond@barnstabledeeds.org](mailto:pjesmond@barnstabledeeds.org) | 508-375-6933

## LAND COURT

### Frederick Sarkinen, Supervisor

[landcourt@barnstabledeeds.org](mailto:landcourt@barnstabledeeds.org) | 508-375-6940

### Judy Hendy, Coordinator

508-375-6941

## RECORDED LAND

### Rene Kelly, Supervisor

[recordedland@barnstabledeeds.org](mailto:recordedland@barnstabledeeds.org) | 508-375-6938

### Gwendolyn M. Brown, Coordinator

508-375-6939

The Registry of Deeds is responsible for maintaining the records of property transfers within Barnstable County. This includes all deeds, mortgages, plans and other instruments which purport to affect the title to Real Estate on Cape Cod. The Registry is used daily by local attorneys, surveyors, title examiners, real estate professionals and members of the general public who are trying to determine the status of particular parcels of land. Our goal continues to be one of providing prompt, efficient and courteous service to all those who visit our facility.

## FY 2022 BY THE NUMBERS

FY2022 saw over 104,454 documents and plans recorded at the registry. \$19,220,540.85 in County Excise Tax and \$2,424,594.20 in County Recording and Copy Fees were collected in the past fiscal year. This represents the second highest combined amount of fees and excise tax collected in registry history.

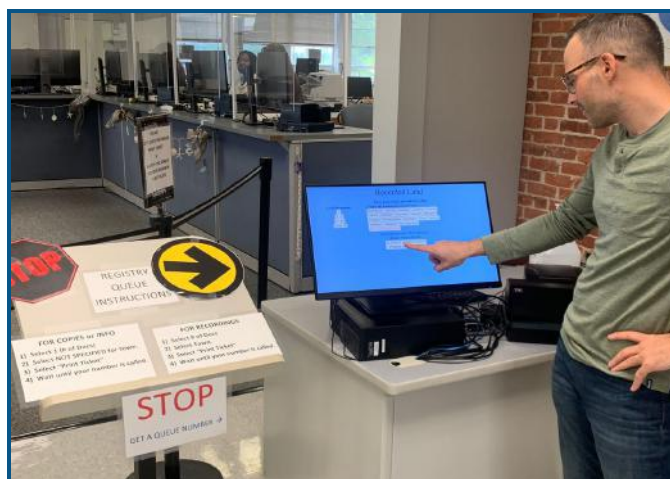
## ELECTRONIC DOCUMENT FILING

FY2022 marked our Eighth full fiscal year of “eFiling” of recorded land documents. We saw our monthly volume of “eFiled” documents pull back slightly from FY2021 from approximately 85% per month to 80% by the close of the fiscal 2022. This correction was expected as more and more people ventured out and into our building as the threat of COVID began to lessen. We continue to experience a rise in overall productivity and efficiency due to continued customer adoption of this innovative means of recording.

In August 2018 we rolled out electronic filing in our Land Court department. We started off slow with just 2% of filings in the first month but quickly saw adoption by our customer base. By the close of that first fiscal year over 26% of our Land Court recordings were being filed electronically. FY2020 and FY2021 saw continued growth and peaked at 75% during the height of the pandemic. FY2022 saw continued utilization by our customers and by June 2022 we were holding steady at about 75% with no pull back from our pandemic highs.

## REGISTRY QUEUE SYSTEM AND POST-COVID OPENING

We re-opened our doors to the general public on June 1, 2021 as fiscal year 2021 drew to a close. It was a challenge to integrate live in-person recordings with our booming eFile business. We created an electronic queueing system to integrate live persons with eFile customers. This enabled us to handle customers in a timely and orderly fashion.



Registry Recorder Justin Simoneau Tests New Touch Screen Queue



FY'22

# REGISTRY OF DEEDS

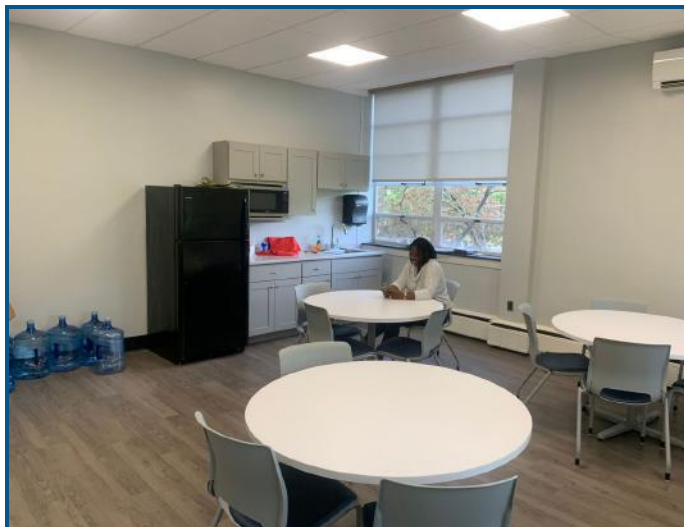
Registry staff hit the ground running as FY2022 opened. In person, customers were few and far between but the volume of people and the frequency of visits grew exponentially as the year moved on. Our queueing system enabled us to streamline the process and to efficiently and effectively meet our customers' needs.

## LAND COURT MOVE

As COVID began to take hold in March of 2020 Registrar Meade turned his eyes toward moving our Land Court Department from the basement of Deeds and Probate to the Main Level. This project has been a challenge and required the assistance of both IT and Facilities. Our goal was to re-envision how we handle customers. Our current Land Court was designed for the 20th Century, we were looking to build one designed for the 21st! We have created individual workstations tailored to handle all parts of the workflow process. Land Court Staff can meet all of our customers needs from one spot. FY2022 was spent building out the new space, securing and deploying the new equipment and formulating new processes to increase efficiency and improve the customer experience. A side benefit of this move was our ability to relocate our employee lounge to the main level adjacent to the new Land Court. We have an anticipated opening of Late Fall 2022.



*Land Court Supervisor Fred Sarkinen and Recorder Karen Johnson test out New Land Court equipment.*



*Registry Recording Clerk Monique Caldwell takes a break in new Registry Employee Lounge.*

## CAPEVIEW ACCESS & REGISTRY WEBSITE

The registry provides use of our internet access Capeview system to all towns within Barnstable County free of charge. The towns are exempt from our \$50.00 annual fee and the \$1.00 per page copy fee. Capeview enables remote users to access the registry's over three hundred years of electronic records nearly 24 hours a day 7 days a week. Users can do title rundowns, search for liens or find records pertaining to any real estate transaction within the county. The system also provides users the ability to have documents printed in their homes or office without involving registry personnel. All Assessors' offices and many town departments in the county have free accounts with us. The savings to the towns has been significant since we began offering the service over 20 years ago.

Credit Card payment processing was introduced to our website in the middle of FY 2014. This has enabled account holders to fund their accounts for printing at nearly any hour of the day without having to mail or deliver a check. It has also enabled casual users of our website to print a copy without having to open an account or mail in a copy request.

In June 2015 the registry, with the assistance of County IT, rolled out our new homepage. It was the first step in the process to update our online presence for years to come. We have used this updated medium to get registry news, changes in hours due to holidays and storms, and changes to excise tax or fee structure out to our customer base in a timely manner.

In FY2018 the registry completely overhauled our public search page. This new interface allowed compatibility across a wide range of browsers and smartphones. The registry search had gone mobile. Customers could now pull up document images wherever and whenever they wanted. This has resulted in a decrease in phone calls and the need for technical assistance when using our website.

Our website continued to be an indispensable resource in FY2022. As the new normal set in and the lion's share of our customers continued to work remotely, up to the minute, the online platform enabled customers to do quick rundowns and record electronically without delay. We were able to update our status in real-time and keep interested parties informed of any changes to our hours or operations.

## DECLARATION OF HOMESTEAD FORMS

The registry and its staff provide valuable assistance to all homeowners in Barnstable County with the preparation of declaration of homestead forms. These forms are available free of charge at our copy counters. The cost to record a homestead is \$35.00 in both our recorded land and our registered land (Land Court) departments. The Declaration of Homestead under Massachusetts General Laws Ch.188 gives persons up to \$500,000.00 protection on their primary residences. It can be a valuable last line of defense and it is recommended to all homeowners in Barnstable County.

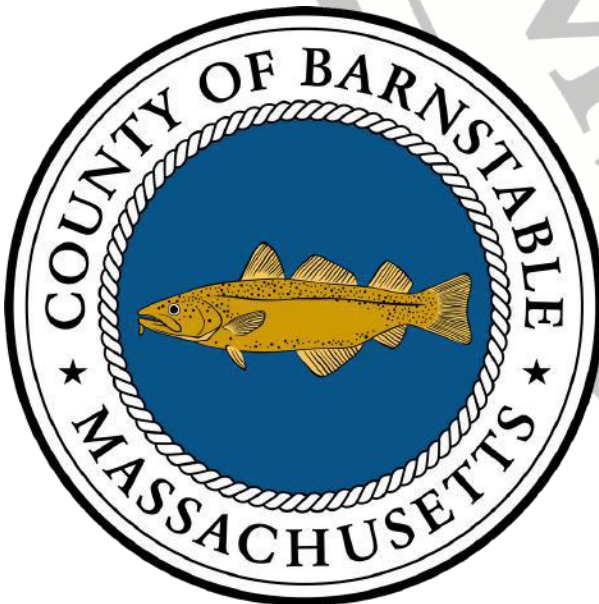




FY'22

# Report of the CAPE COD COMMISSION

CAPE COD COMMISSION





FY'22

# CAPE COD COMMISSION

P.O. Box 226

3225 Main Street, Route 6A

Barnstable, MA 02630

508-362-3228 | Fax: 508-362-3136

frontdesk@capecodcommission.org

www.capecodcommission.org

## REPORT OF THE CAPE COD COMMISSION

*For the Period July 1, 2021 and ending June 30, 2022*

### ABOUT THE CAPE COD COMMISSION

The Cape Cod Commission was created by an Act of the Massachusetts state legislature in 1990 and is charged with coordinating a balanced relationship between economic progress and environmental protection. "Keeping a special place special" describes the agency's mission to protect the region's unique qualities.

The 19-member appointed Cape Cod Commission board includes representatives from each of the 15 Cape Cod towns, a minority representative, a Native American representative, a Barnstable County Commissioner, and a Governor's appointee. The board is supported by approximately 35 professional staff and an executive director.

This report represents broad areas of the Commission's work and responsibilities, highlighting several specific projects and initiatives.

### FISCAL YEAR 2022 APPOINTED REPRESENTATIVES

#### Officers

Chair: Harold "Woody" Mitchell (Sandwich)

Vice-Chair: Stephen Mealy (Bourne)

Secretary: Elizabeth Taylor (Brewster)

#### Members

**Barnstable:** Frederick Chirigotis

**Chatham:** Tom Wilson

**Dennis:** Richard Roy

**Eastham:** Joy Brookshire

**Falmouth:** Robert Mascali (from December 2021)

**Harwich:** Jacqueline Etsten

**Mashpee:** Ernest Virgilio

**Orleans:** Douglas Fromm

**Provincetown:** Cheryl Andrews (through December 2021), then Peter Okun (from April 2022)

**Truro:** Kevin Grunwald

**Wellfleet:** Richard Elkin

**Yarmouth:** John McCormack (through August 2021), then Dennis Prebensen (from December 2021)

**County Commissioner:** Mark Forest (through January 2022), then Ronald Bergstrom (from January 2022)

**Minority Representative:** John D. Harris

**Native American Representative:** David Weeden

**Governor's Appointee:** Michael Maxim

### ADMINISTRATION (as of June 30, 2022)

#### Kristy Senatori, Executive Director

508-744-1216 | ksenatori@capecodcommission.org

#### Erin Perry, Deputy Director

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#### Steven Tupper, Deputy Director

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#### Siobhan Hickey Cavacco, Administrative Assistant

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#### Sarah Colvin, Communications Manager

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#### Emma Curran, GIS Analyst

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#### Gail Coyne, Operations Director

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#### Patty Daley, Legal and Policy Specialist

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#### Phil (Jay) Detjens, Applications Manager

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#### Lisa Dillon, Commission Clerk

508-744-1209 | ldillon@capecodcommission.org



FY'22

## CAPE COD COMMISSION

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**Sarah Korjeff, Planner II (Historic Preservation Specialist)**

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**Kathleen Mason, Water Resources Analyst** (joined September 2021)

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**Heather McElroy, Natural Resources Program Manager**

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**Jordan Velozo, Chief Regulatory Officer (interim)**

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**Michele White, Special Projects Coordinator**

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**Jessica Wielgus, Commission Counsel**

508-744-1207 | jwielgus@capecodcommission.org

**Departures****Abigail Bliss, Community Development Planner** (June 2022)**Chelsea Bruck Bennouna, Community Development Planner** (March 2022)**Jennifer Clinton, Community Development Planner** (October 2021)**Mallory Kender, Administrative Assistant** (December 2021)**Evan Moorman, Transportation Planner** (June 2022)**CAPE COD CLIMATE ACTION PLAN**

In July 2021, the Cape Cod Commission approved the region's first-ever climate action plan, setting forth actionable goals to address climate change within the Commonwealth of Massachusetts framework. Input gathered from a wide range of stakeholders in an extensive Cape-wide engagement effort informed the plan, along with a regional greenhouse gas emissions inventory, an economic and fiscal impact analysis, and a legal and jurisdictional analysis. The plan incorporates feedback from hundreds of stakeholders across the region.

The plan identifies strategies and actions for all sectors of our community and offers multiple paths forward to address present impacts and reduce those yet to come. It also targets the region's highest emitting sectors, transportation, and energy, and includes strategies that apply more broadly to support successful implementation.

Priority strategies for mitigating greenhouse gas emissions and adapting to climate impacts include reducing energy consumption and striving towards net zero energy buildings; promoting efficient land-use policies and development patterns; addressing vulnerabilities in public infrastructure and in the road network, including adapting critical transportation infrastructure for climate change impacts; identifying approaches for managing development in coastal resource areas region-wide; addressing vulnerable



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buildings and structures threatened by flooding and erosion through retrofits and relocation; generating and increasing the use of safe, reliable, and clean energy; reducing vehicle miles traveled and supporting low and no-carbon transportation options; accelerating the electrification of the transportation system; reducing emissions by increasing and enhancing natural carbon storage; increasing education and communications about climate change mitigation and adaptation options; and supporting increases in municipal capacity and providing technical assistance.

### Low-Lying Roads Project

Inland flooding, sea level rise, erosion, and severe storms threaten many of Cape Cod's roadways with the potential to cut off critical access to homes, buildings, infrastructure, and critical facilities. Consistent with recommendations of the Climate Action Plan, the Cape Cod Commission began working with ten Cape towns to examine vulnerabilities in the roadway network and to identify solutions.

With funding support from the U.S. Economic Development Administration (EDA) and the Massachusetts Municipal Vulnerability Preparedness (MVP) program, the Commission contracted with the Woods Hole Group (WHG) to conduct vulnerability assessments of roadway segments, bridges, and culverts due to flooding from the combined effects of sea level rise and storm surge. WHG used the state-of-the-art Massachusetts Coast Flood Risk Model to identify vulnerable road segments under different sea level rise scenarios and time scales.

Each town will receive three conceptual designs for solutions and estimated costs for two roadway segments. The designs delivered should provide communities with enough information to select solutions and seek implementation funding. The first public workshops to identify appropriate road segments were held through the fall of 2021.

<https://capecodcommission.org/llr/>



### Climate Ambassador Program

The Climate Ambassador Program is an initiative to educate, engage, and empower young people on Cape Cod to work together to combat the impacts of climate change. The program's second cohort met from January to May 2022. Over the course of seven virtual meetings,

twenty-one students from nine Cape Cod high schools heard from scientists, local advocates, legislators, and policymakers on topics including climate equity, communications, advocacy, policy, and sustainability. Students also completed a climate-related project.

### OneCape Summit

Returning after a one-year hiatus and pivoting to a virtual format just weeks before the event, the 2021 OneCape Summit epitomized the resilient spirit of the region. In order to create a dynamic virtual conference experience, Cape Cod Commission staff transformed the Commission's conference room into a broadcast studio to combine live presentations with virtual presentations from speakers across the country. OneCape provides opportunities to learn about best practices and strategies for meeting the environmental and economic needs of the region. Summit proceedings are available at <https://onecape.capecodcommission.org/onecape2021/>.

The OneCape award was presented to Wendy Northcross, former Chief Executive officer of the Cape Cod Chamber of Commerce and current Executive Director of the John F. Kennedy Hyannis Museum, in recognition of her commitment to keeping Cape Cod a special place. She was instrumental in developing the Cape Cod and Islands Water Protection Fund and has led the Cape on issues involving transportation, housing, and the economy.

### New Homeowner Survey

To better understand changes in home ownership brought on by the Covid-19 pandemic, the Cape Cod Commission engaged the UMass Donahue Institute to conduct a survey of those who bought homes between April 2020 and May 2021. The survey was designed to shed light on the motivations and demographics of recent new homeowners, as well as future plans for their new homes in the context of the pandemic and widespread work-from-home and hybrid employment policies.

A random sample of 5,850 homeowners who purchased their Cape Cod home between April 2020 and May 2021 was invited to respond to the survey; 403 homeowners responded.

The report provides an important first glimpse at the motivations and thinking of new homeowners entering the Cape Cod housing market during an ongoing pandemic. About one-third (35%) of respondents said the pandemic influenced their decision to buy a home on Cape Cod. The most commonly cited ways in which the pandemic influenced their decision included the ability to work remotely, an increased desire to live near outdoor recreation opportunities and in a less dense area, and the desire to have more living space. Cape Cod's amenities, such as access to the coast, outdoor recreational opportunities, and environmental quality, were the most important factors new homeowners considered, regardless of whether the pandemic influenced their plans or not.

This research is a critical first step in understanding what is driving the choices of new homeowners in the region and provides policymakers and planners with the ability to revisit these trends in the coming years as residential and work patterns stabilize.



## Second Homeowner Survey

The Cape Cod Commission periodically surveys the second homeowner population on Cape Cod to understand how second homes are used, how they might be used in the future, and how second homeowners participate in the local economy. The findings of this research inform economic development and land-use planning across Cape Cod. In 2021, the Commission engaged the UMass Donahue Institute to conduct the third-second homeowner survey.

A random sample of 20,000-second homeowners was invited to respond to an online survey; 924 homeowners completed the survey.

The average age of respondents was 66, up from 65 in 2017 and 60 in 2008. Second homeowners cited access to the coast, the Cape's historic character, environmental quality, and outdoor recreational activities as key factors that led to the decision to buy a home here.

Overall, personal use of second homes appears to have increased. Forty-four percent of respondents, many of whom live in Massachusetts, said that they used their property more during the COVID-19 pandemic. Many respondents who live outside Massachusetts said the pandemic did not change the use of their homes.

<https://capecodcommission.org/our-work/second-homeowner-survey/>

## Regional Housing Suitability Analysis

Leveraging \$250,000 in state funding for COVID-19 recovery efforts, the Cape Cod Commission is undertaking a review of parcels that would be suitable for the development and redevelopment of housing. This effort includes engaging with stakeholders in identifying properties and developing a process that increases the accessibility of requests for proposals to develop a range of housing types across Cape Cod.

### Planning

#### *Evaluation of Historic Structures in Flood Areas*

Working with state and local partners, the Cape Cod Commission began an evaluation of historic structures in flood areas to develop guidelines for protection and preservation.

Cape Cod is home to many historic buildings and historic districts in flood-hazard areas. Unique challenges exist in developing floodproofing measures consistent with historic resource protection.

The Massachusetts Historic Structure Assessment Project aims to reduce immediate and long-term flood risk for our most historic and culturally prized structures by developing recommended floodproofing measures and cost estimates for historic structures in flood hazard areas.

Project partners include the Cape Cod Cooperative Extension, Woods Hole Sea Grant, Massachusetts Emergency Management Agency, Massachusetts Department of Conservation and Recreation, National Oceanographic and Atmospheric Administration, Federal Emergency Management Agency, United States Army Corps of Engineers, and the towns of Sandwich, Falmouth, and Provincetown.

## Early Education and Childcare Needs Assessment

Supported by \$200,000 in state funding, the Cape Cod Commission collaborated with Barnstable County and the Rennie Center for Education Research and Policy to conduct a survey-based needs assessment related to early education and childcare on Cape Cod and the Islands.

Communities throughout the region have long contended with underlying challenges related to the provision of quality, affordable childcare, and early education services. While these challenges have immediate effects within the childcare and early education industries, they also threaten broader repercussions for the region's economic recovery and the economic status of women, children, and families.

The Commission issued two surveys seeking information from families with children aged five and under, and input from childcare providers. Both surveys were available in multiple languages online and distributed through local libraries across the Cape and Islands.

The research led to a report detailing existing levels of services and needs, identifying gaps in services, and exploring potential strategies for mitigating gaps in services, providing a baseline and recommendations for improving the accessibility of services in the region.

## Regional Solid Waste Studies

In 2020, Barnstable County contracted with two consultants to complete a pair of feasibility studies that analyze trends and identify options for future solid waste disposal and opportunities for increased waste diversion.

The studies, coordinated by the Cape Cod Commission in collaboration with the Barnstable County Cooperative Extension and completed in December 2021, found that the region's waste stream doubles in tonnage from May through September, waste quantities continue to increase year to year, and the greatest opportunity for waste diversion is to increase recycling and reuse of construction and demolition materials and organics.

Geosyntec Consultants performed a municipal solid waste out-of-state disposal analysis, and Tetra Tech studied municipal solid waste diversion options for recyclable, reusable, and hard-to-dispose materials.

Now that these studies are complete, the County can work with the towns to create educational outreach materials for the public and convene the region's 15 municipalities as partners in identifying opportunities for better environmental and economic outcomes.



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## Barnstable County Economic Development Council

The Barnstable County Economic Development Council (BCEDC), an advisory board to the Barnstable County Commissioners, was established to guide economic development policy in a manner that will improve the quality of life for all, foster a healthy economy offering a range of employment opportunities at livable wages for year-round residents, and protect the region's natural and built assets today and in the future.

The BCEDC functions include advising on the development of the economic development goals for Barnstable County, serving as the Cape Cod Comprehensive Economic Development Strategy (CEDS) Committee and Economic Development District (EDD) governing board, advising on the planning, approval, and implementation of the 5-year CEDS, and advising the Barnstable County Commissioners on the allocation of certain economic development grants and contracts, including the Cape Cod License Plate Grant program.

### Members (as of June 30, 2022)

- Rob Brennan, President, CapeBuilt Homes
- Chris Flanagan, Executive Officer at Home Builders & Remodelers
- Mark Forest, Barnstable County Board of Regional Commissioners
- Kara Galvin, Executive Director, Cape and Islands Workforce Board
- Lisa Guyon, Executive Director, WE CAN
- Tammi Jacobsen, Director of Workforce Development & Training, Cape Cod Community College
- Alisa Magnotta, Executive Director, Cape Cod Housing Assistance Corporation
- Harold "Woody" Mitchell, Chair, Cape Cod Commission
- Paul Niedzwiecki, Chief Executive Officer, Cape Cod Chamber of Commerce
- John Ohman, Barnstable County Assembly of Delegates
- Robert "Bert" Talerman, Co-President, Cape Cod Five Cents Savings Bank
- Julie Wake, Executive Director, Arts Foundation of Cape Cod

### CEDS Year Three Report Approved

In June 2022, the BCEDC and Cape Cod Commission approved the Year Three annual report, outlining successes and challenges, and the proposed Year Four Implementation plan.

The following initiatives are included as part of the Year Four plan:

- Housing Access & Affordability Initiative
- Regional Infrastructure Planning Initiative
- Infrastructure Funding Initiative
- Land Use Planning for Economic Resilience
- Early Education and Childcare Needs Assessment

## Cape Cod License Plate Grants

The Cape Cod License Plate grant program allocates Barnstable County's share of funds raised through sales of the Cape Cod and Islands license plate. The program focuses on regional priorities for economic development that align with the implementation of the region's 5-year CEDS. The eligible recipients are non-profits and municipalities.

The FY2022 grant round made \$150,000 available in grants up to \$25,000. Similar to the prior year's grants, Covid-19 recovery and resiliency were again the focus. The Barnstable County Board of Regional Commissioners voted unanimously to award the following eight grants, as recommended by the BCEDC:

**Duffy Health Services:** \$20,000 to develop a business plan for a medical respite program for Cape Cod.

**Cape Cod Health Ministry:** \$20,000 to provide a variety of programs to stimulate mental health and healing from stress related to the pandemic targeting immigrant communities.

**Cape Cod Young Professionals:** \$13,750 to provide small business owners with training, tools, and access to resources to adapt, diversify and expand skillsets and to provide education and workforce development opportunities to support wage growth.

**Entrepreneurship For All Cape Cod:** \$20,000 to fund programs that advance economic and social impact on Cape Cod through inclusive entrepreneurship.

**Downtown Hyannis Community Development Corporation:** \$20,000 to fund a Local Business Boost Pilot Program that offers one on one technical assistance and implementation support to small businesses in downtown Hyannis to assist in their recovery and help gain a competitive advantage.

**Housing Assistance Corporation:** \$21,618 to fund the My Home Plus Home report and toolkit to support homeowners/owners in the creation of more accessory dwelling units.

**Town of Harwich:** \$17,000 to stimulate the economic vitality of Harwich Center and improve access and walkability in the village through a safety improvement program for the Old Colony Rail Trail crossing on Oak Street.

**Cape Cod BMX:** \$17,500 to assist in relocating the BMX track on Cape Cod to increase access.

### Land Use Planning for Economic Resilience Grant

In November 2021, the Cape Cod Commission received a grant from the Massachusetts Executive Office of Energy and Environmental Affairs in the amount of \$144,043 to complete the Land Use Planning for Economic Resilience project, an effort to facilitate vibrant, compact mixed-use downtown areas across the region and improve the stability and resiliency of the local economy.

The Commission is leading the project in collaboration with the towns of Barnstable, Chatham, and Eastham. A project goal is to develop a better understanding of long-term trends and pandemic-induced impacts on commercial and mixed-use development. An analysis of the performance of commercial and mixed-use property types will inform the identification of best practices for leveraging land use and zoning tools to sustain local economies and foster resilient development patterns. The resulting insights will be applicable to all 15 Cape Cod towns.

## Transportation



The Cape Cod Commission completed an inventory of all locations where rail trails crossroads at grade in Barnstable County. The resulting inventory of 95 crossings covers six different trails within 11 Cape Cod towns. It examines elements impacting safety and comfort, such as signage and pavement markings, and provides a general picture of each intersection using geometry and sightlines.

The inventory includes a chart highlighting suggested improvements based on traffic volumes, speed limits, and road geometry. Town staff can use this chart to assess current infrastructure and consider future upgrades. Additionally, a companion interactive map produced by Commission staff allows users to click on crossing locations to view a pop-up that provides basic information about the crossing's existing features.

The Cape Cod Commission initiated the Route 28 East Hyannis Corridor Study, which will seek solutions to improve access and safety at the intersection of Route 28 and East Main Street at the border of Barnstable and Yarmouth.



The study seeks to identify necessary improvements to address the gap between two adjacent Massachusetts Department of Transportation (MassDOT) projects along Route 28. The study area expands from Yarmouth Road in Hyannis to East Main Street in Yarmouth. Outcomes will include a set of recommendations to provide safe and convenient access for all users of the roadway system.

Commission staff held a virtual public input session and will use feedback to develop potential improvement concepts.

## Cape Rail Study

The final report for the Cape Rail Study was presented to the Cape Cod Metropolitan Planning Organization in November 2021.

The study evaluated the potential for year-round passenger rail to the Cape Cod region and provides data and information about projected ridership, auto usage, emissions, and costs. The study was led by the MassDOT with the support of consultant teams and the Cape Cod Commission. It was guided by an Advisory Group consisting of elected officials and representatives from the Towns of Bourne, Wareham, and Middleborough; representatives of local interest groups; and representatives of regional agencies and organizations.

The study team developed and analyzed service alternatives that would provide safe and reliable public transportation options to, from, and within the Cape and surrounding areas; reduce automobile usage and greenhouse gas emissions; and support and strengthen opportunities for economic growth, transit-oriented development, and access to employment in the Boston region for commuters and occasional riders.

The study does not identify a recommended alternative, but rather provides a foundation for discussions about potential future rail service to the Cape Cod region.



View the final Cape Rail study report:  
<https://capecodcommission.org/our-work/cape-rail-study/>

### Development and Approval of the FFY2023-2027 Transportation Improvement Plan

The Cape Cod Commission supported the Cape Cod Metropolitan Planning Organization (MPO), and their advisory group, the Cape Cod Joint Transportation Committee, in the development of key transportation planning documents for the region including the FFY2023-2027 Transportation Improvement Plan (TIP). The TIP serves as a prioritized listing of roadway, bridge, and transit projects proposed for implementation during the next five years.

Developed with a robust virtual engagement process, the plan approved in May 2022 includes over \$285 million in funded projects across all fifteen communities. Highlights include:

- Housing Access & Affordability Initiative
- Regional Infrastructure Planning Initiative
- Infrastructure Funding Initiative
- Land Use Planning for Economic Resilience
- Early Education and Childcare Needs Assessment

The TIP is accessible at [www.capecodcommission.org/TIP](http://www.capecodcommission.org/TIP).

### Complete Streets Prioritization Plans

Through the MassDOT Complete Streets Municipal Funding Program, the Commission is working with several Cape Cod towns to help improve safety and accessibility along our roadways.

Broadly speaking, Complete Streets promote more livable communities. They improve safety, health, economic viability, and quality of life in a community by improving the pedestrian and vehicular environments and providing safer, more accessible, and comfortable means of travel between home, school, work, recreation, and retail destinations.

Cape Cod Commission staff worked on prioritization plans for Bourne and Falmouth. The next steps for both projects involve Commission and town staff working together to determine the final ranking of projects and drafting of the final Complete Streets Prioritization Plans. After these documents are created and submitted, town staff can then enter Tier 3 in MassDOT's Complete Streets Program, which means that they can apply for a grant for up to \$400,000 in construction funding to implement projects included in their Prioritization Plan.

More information is available at  
[www.capecodcommission.org/CompleteStreets](http://www.capecodcommission.org/CompleteStreets).

### Cape Cod Metropolitan Planning Organization Members (as of June 30, 2022)

- **Jamey Tesler**, Chair, Massachusetts Department of Transportation (MassDOT), Secretary/Chief Executive Officer
- **Jonathan Gulliver**, MassDOT Highway Division, Highway Administrator
- **Harold "Woody" Mitchell**, Vice Chair, Cape Cod Commission
- **Robert Lawton**, Cape Cod Regional Transit Authority (CCRTA), Chairman
- **Mark Forest**, Barnstable County Board of Regional Commissioners
- **Brian Weeden**, Mashpee Wampanoag Tribal Council, Chairman
- **Matthew Levesque**, Barnstable, Town Council President
- **Judith MacLeod-Froman**, Sub-region A Representative: Bourne, Falmouth, Mashpee, and Sandwich
- **Sheryl McMahon**, Sub-region B Representative: Dennis and Yarmouth
- **Kevin Galligan**, Sub-region C Representative: Brewster, Chatham, Harwich, and Orleans
- **Robert Weinstein**, Sub-region D Representative: Eastham, Provincetown, Truro, and Wellfleet

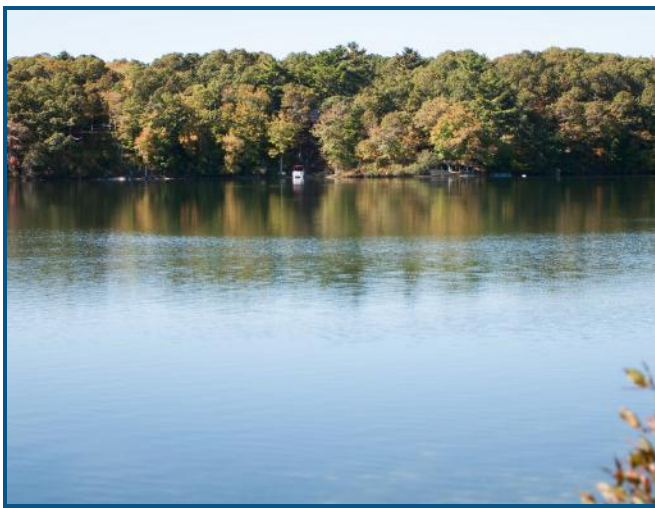
### Cape Cod Joint Transportation Committee Members (as of June 30, 2022)

- **Griffin Beaudoin**, Barnstable
- **Shawn Patterson**, Bourne
- **Griffin Ryder**, Brewster
- **Thomas Temple**, Chair, Chatham
- **Thomas Andrade**, Dennis
- **Ronald Simmons**, Eastham
- **Peter McConarty**, Falmouth
- **Lincoln Hooper**, Harwich
- **Catherine Laurent**, Mashpee
- **Tom Daley**, Orleans
- **James Vincent**, Provincetown
- **Paul S. Tilton**, Sandwich
- **Jarrold Cabral**, Truro
- **Jay Norton**, Wellfleet
- **Jeff Colby**, Yarmouth
- **Sean Polay**, Bicycle Representative (Alternate Amy Graves)

### Departures

- **Silvio Genao**, Eastham
- **Richard Waldo**, Provincetown





## Ponds and Lakes Atlas

An updated Ponds and Lakes Atlas was released in March 2022, examining the Cape's freshwater bodies, covering pond ecology, water quality, and strategies to restore pond health. It provides a current assessment of the importance of ponds on Cape Cod, and the threats they face, and demonstrates the need for action to improve and adequately manage these valued and unique resources. It is designed to support renewed and expanded efforts on pond management within the region.

A companion resource to the updated Pond and Lake Atlas is the Pond Atlas Viewer, an online map-based tool that allows users to view available data on all the ponds and lakes on Cape Cod. Through an easy-to-use online interface, the user can zoom into the map, view map resource layers, select ponds, and access geographic information about ponds of interest and their surrounding land uses. Geared toward the typical resident or visitor to Cape Cod, the map viewer may also serve as a planning and communication resource as communities consider management actions to address pond health.

The updated Ponds and Lakes Atlas will provide the baseline information necessary for the upcoming Freshwater Initiative, a comprehensive planning process that will define a path forward for improving pond water quality across the region.

<http://www.capecodcommission.org/our-work/ponds-and-lakes>

## Cape Cod and Islands Water Protection Fund

The Cape Cod and Islands Water Protection Fund (CCIWPF) was established by the Massachusetts Legislature in 2018 to help Cape Cod and Islands towns pay for necessary wastewater infrastructure and water quality remediation projects. Projects proposed by member communities and listed on the Massachusetts Clean Water Intended Use Plan (IUP) for State Revolving Fund (SRF) loans are eligible for subsidies from the CCIWPF.

The CCIWPF is a dedicated fund within the state's Clean Water Trust set up to solely benefit communities on Cape Cod, Martha's Vineyard, and Nantucket. Its source of revenue is a 2.75% excise tax on traditional lodging and short-term rentals. The fund is

administered by the existing Clean Water Trust and overseen by a management board comprised of representation from every member town from the region. Currently, the 15 Cape Cod communities are members of the fund. The Cape Cod Commission provides administrative and technical support to the management board.

The CCIWPF Management Board voted on June 2, 2022, to award \$27,756,431 in subsidies to water quality projects in four Cape Cod towns.

Contingent commitments in the amount of \$27,066,125 for 25% subsidies to fund qualified projects listed on the 2022 Clean Water State Revolving Fund Intended Use Plan were awarded to water quality and wastewater projects in the towns of Barnstable, Chatham, Falmouth, and Orleans.

A final commitment for a subsidy in the amount of \$690,306 to fund a qualified project listed on the 2021 Clean Water State Revolving Fund Intended Use Plan for which a Project Regulatory Agreement has been executed was awarded to the Town of Barnstable for wastewater pump station improvements.

To date, the Cape Cod and Islands Water Protection Fund has awarded approximately \$98 million to Cape Cod communities to fund new water quality and wastewater projects and certain pre-existing wastewater debt.

## Members (as of June 30, 2022)

- **Mark Ells**, Town Manager, Barnstable
- **Mary Jane Mastrangelo**, Selectman, Bourne
- **Peter Lombardi**, Town Administrator, Brewster
- **Robert Duncanson**, Director of Health and Natural Resources, Chatham
- **Elizabeth Sullivan**, Town Administrator, Dennis
- **Jacqueline Beebe**, Town Administrator, Eastham
- **Peter Johnson-Staub**, Assistant Town Manager, Falmouth
- **Don Howell**, Selectman, Harwich
- **Andrew Gottlieb**, Selectman, Mashpee
- **Kevin Galligan**, Selectman, Orleans
- **James Vincent**, Director of Public Works, Provincetown
- **Bud Dunham**, Town Manager, Sandwich
- **Darrin Tangeman**, Town Manager, Truro
- **Ryan Curley**, Select Board Member, Wellfleet
- **Mark Forest**, Selectman, Yarmouth
- **Kristy Senatori**, Cape Cod Commission Executive Director (Non-Voting Ex-Officio Member)
- **Adam Turner**, Martha's Vineyard Commission Executive Director (Non-Voting Ex-Officio Member)
- **Elizabeth Gibson**, Nantucket Town Manager (Non-Voting Ex-Officio Member)



## Departures

- **Justina Carlson**, Select Board Member, Wellfleet
- **Richard Waldo**, Director of Public Works, Provincetown
- **Tracy Post**, Selectman, Yarmouth

## Cape Cod Water Protection Collaborative

The Cape Cod Water Protection Collaborative exists to offer a coordinated approach to enhance the water and wastewater management efforts of towns, the Regional Government and the broader community. The Collaborative seeks to protect Cape Cod's shared water resources and to provide access to cost effective and environmentally sound wastewater infrastructure.

The Collaborative is managed by an appointed Governing Board of 17 members representing each participating Town and Barnstable County. Staff support is provided through the Cape Cod Commission.

### Members (as of June 30, 2022)

- **Vacant**, Barnstable
- **Mandy Holway**, Bourne
- **Vacant**, Brewster
- **Dr. Robert Duncanson**, Chatham
- **Paul McCormick**, Dennis
- **Jane Crowley, Vice Chair**, Eastham
- **Ray Jack**, Falmouth
- **Ed McManus**, Harwich
- **Vacant**, Mashpee
- **Sims McGrath, Chair**, Orleans
- **Vacant**, Provincetown
- **David Mason**, Sandwich
- **Emily Beebe**, Truro
- **Ryan Curley**, Wellfleet
- **Jeffrey Colby**, Yarmouth
- **Zenas Crocker**, County Appointee
- **Mark Forest**, Barnstable County Board of Regional Commissioners

## Departures

- **Justina Carlson**, Wellfleet
- **Paul Hebert**, Barnstable
- **Ryan Bennett**, Brewster

## Barnstable County Coastal Management Committee

The Barnstable County Coastal Management Committee (BCCMC) is an advisory board to Barnstable County Commissioners established to provide guidance on the protection, preservation and use of Cape Cod's coastal resource areas.

The BCCMC areas of focus include:

- Planning for a shifting shoreline and improving coastal resiliency
- Protecting and enhancing fin and shellfish resources and coastal habitats
- Identifying education needs of the public about coastal resource management
- Providing guidance on dredging and disposal of dredged materials
- Coordinating regional sediment management
- Protecting marine and estuarine water quality

The BCCMC receives regular reports and updates from Cape Cod Cooperative Extension, Cape Cod Commission, and other organizations on their efforts to understand and protect the region's coastal resources.

BCCMC subcommittees include the Barnstable County Coastal Resources Subcommittee and Barnstable County Dredge Subcommittee, technical committees that provide input on local coastal resources and the county's dredging program, respectively.

### Coastal Management Committee Members (as of June 30, 2022)

- **Mark Borrelli**, Center for Coastal Studies
- **Silvio Genao**, DPW Director, Eastham
- **Andrew Gottlieb**, Association to Preserve Cape Cod (MassBays NEP service provider)
- **James Killion**, Assembly of Delegates
- **Mike Maguire**, Cape Cod Cooperative Extension
- **Steve McKenna**, Vice Chair, Massachusetts Coastal Zone Management
- **Chris Miller, Chair**, Brewster, Representing Town Natural Resources
- **Tonna-Marie Rogers**, Director, Waquoit Bay National Estuarine Research Reserve
- **Kristy Senatori**, Cape Cod Commission
- **Ron Bergstrom**, Barnstable County Board of Regional Commissioners

### Coastal Resources Subcommittee Members (as of June 30, 2022)

- **Nina Coleman**, Director of Natural Resources/Sandy Neck Park Manager, Barnstable
- **P. Sharon Hamilton**, Natural Resource Officer, Bourne
- **Chris Miller**, Brewster Director of Natural Resources
- **Robert Duncanson**, Ph.D., Director, Department of Natural Resources, Chatham
- **Karen Johnson**, Director, Department of Natural Resources, Dennis
- **Shana Brogan**, Conservation Agent, Eastham
- **Jennifer McKay**, Conservation Administrator, Falmouth



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- **Heinz Proft**, Director, Department of Natural Resources, Harwich

- **Ashley Fisher**, Shellfish Constable, Mashpee

- **Vacant**, Orleans

- **Tim Famulare**, Conservation Agent, Provincetown

- **David Deconto**, Director, Department of Natural Resources, Sandwich

- **Emily Beebe**, Health & Conservation Agent

- **Hillary Greenberg-Lemos**, Conservation and Health Agent, Wellfleet

- **Vacant**, Yarmouth

- **Jo Ann Muramoto, Ph.D.**, MassBays Regional Coordinator for Cape Cod region, APCC,

- **Stephen McKenna**, At Large Member, Regional Coordinator, CZM Cape & Islands Region

- **Donald Liptack**, At-Large Member, Ret. NRCS Cape Cod Conservation District contractor

### Departures

- **Sam Haines**, Bourne

- **Karl Von Hone**, Yarmouth

### Technical Assistance to Towns

Unless otherwise noted, funding for the following projects was provided by the Commonwealth of Massachusetts Department of Housing and Community Development's District Local Technical Assistance program through the Cape Cod Commission.

#### Barnstable Local Comprehensive Plan Support

The Town of Barnstable requested technical assistance in support of its efforts to update the Town's Local Comprehensive Plan, particularly regarding data and mapping. The update will address its pressing need to increase housing supply, diversity and affordability, and economic and climate resiliency. Completed, December 2021.

#### Eastham Citizen Engagement and Communications

The Town of Eastham requested funding assistance to implement improved communications, project management, and citizen engagement platforms. Completed, December 2021.

#### Study on Possible Outer Cape Fire and Emergency Medical Services

The towns of Truro, Wellfleet, and Provincetown requested funding assistance to explore opportunities to address shared challenges and regional solutions for Outer Cape fire and emergency medical services. Completed, December 2021.

#### Sandwich and Yarmouth Housing Production Plans

The towns of Sandwich and Yarmouth requested funding assistance

to update their respective Housing Production Plans. Completed, December 2021.

#### Second-Home Owner Survey Update

Several towns requested an update to the regional second homeowner survey. New and second homeowners are being surveyed to better understand the region's population changes due COVID-19 and to help communities plan to address their shifting needs. Completed, December 2021.

#### Truro Updates to Local Comprehensive and Economic Development Plans

The Town of Truro requested funding assistance to update its Local Comprehensive and Economic Plans. Completed, December 2021.

#### Sandwich, Update to the Town's Local Comprehensive Plan

The Town of Sandwich will requested funding assistance with updating its Local Comprehensive Plan (LCP), which was last updated in 2009. The process will involve community outreach through surveys, interviews, and in-person charrettes. Completion expected December 2022.

#### Wellfleet, Update the Town's Housing Production Plan

The Town of Wellfleet, working to address challenges in developing and accessing affordable housing, requested funds to update its current Housing Needs Assessment and Action Plan, which the Selectboard adopted in December 2017. Completion expected December 2022.

#### Bourne, MBTA Community Zoning changes

The Town of Bourne requested assistance to examine its current zoning laws to determine compliance with new multi-family housing zoning requirements for Massachusetts Bay Transportation Authority (MBTA) communities, and, if needed, to develop a targeted action plan to adopt a multi-family district compliant with new regulations. Completion expected December 2022.

#### Falmouth Economic Development Guide

Town of Falmouth requested funds to develop and distribute an Economic Development Guide to provide a permitting roadmap to accompany its fully integrated online permitting system. Completion expected December 2022.

#### Update Regional Housing Market Analysis and Needs Assessment

The towns of Sandwich, Chatham, Barnstable and Brewster, on behalf of the region, requested an update to the 2017 Housing Market Analysis. Completion expected December 2022.

## Regulatory

Through its Regulatory Program, the Cape Cod Commission reviews projects presumed to have impacts on more than one town relative to issues identified in the Cape Cod Commission Act, including but not limited to water quality, traffic, community design, housing, open space, natural resources, and economic development, as Developments of Regional Impact (DRIs) and negotiated Development Agreements.

## Decisions and Development Agreements

### Barnstable

Cape Cod Five Hyannis Banking Center, Minor Modification 1, Approved, 4/26/22

Wilkens Campus, Development Agreement, Approved, 6/30/22

### Bourne

Bourne Integrated Solid Waste Management Facility, Phases 7, 8 & 9, DRI, Approved, 9/29/21

### Dennis

Great Western Rd Solar, DRI, Approved, 9/9/21

### Falmouth

The Cape Club Redevelopment, Minor Modification 1, N/A, 7/2/21

Seacoast, LP - Falmouth Monopole, Minor Modification 1, Approved, 5/5/22

### Mashpee

South Cape Village Extension, DRI Extension, Approved, 1/13/22

Mashpee Fire Station, Minor Modification 2, Approved, 3/24/22

Falmouth Rd Market, DRI, Withdrawn, 3/9/22

### Sandwich

Southpoint Drive Solar, DRI, Withdrawn, 10/1/21

### Truro

Tradesmens Park South, Minor Modification 1, Approved, 7/19/21

Hortons Campground, DRI Exemption, Approved, 2/24/22

### Yarmouth

Blue Sky Towers Monopole, Yarmouth, DRI, Withdrawn, 8/3/21

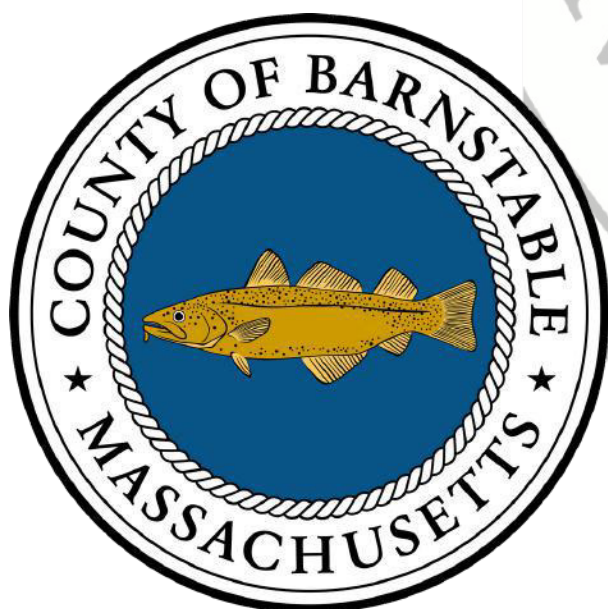
Coliseum Warehouse Expansion, Minor Modification 2, Approved, 4/7/22

Blue Sky Towers Monopole Resubmission, DRI, Approved, 1/13/22



# Report of the DEPARTMENT OF INFORMATION TECHNOLOGY

INFORMATION TECHNOLOGY





# INFORMATION TECHNOLOGY

3195 Main Street  
Innovation Building  
P.O. Box 247  
Barnstable, MA 02630

## REPORT OF DEPARTMENT OF INFORMATION TECHNOLOGY

*For the Period July 1, 2021 and ending June 30, 2022*

### ADMINISTRATION

**William Traverse, Director**

btraverse@barnstablecounty.org | 508-744-1244

**Chris Burt, Deputy Director**

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**Laura Brown, Systems Administrator**

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**Ryan Johnson, Systems Administrator**

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**Earl Harmon, Systems Administrator**

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**Ian Roberts, IT Services Specialist**

iroberts@barnstablecounty.org | 508-744-1256

**Dan Keefe, IT Services Specialist**

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### DEPARTMENT HISTORY AND MISSION

The Barnstable County Information Technology Department (BCIT) was formed in July of 2005. The mission of the Department is to provide the technical support, network infrastructure, data storage, and computation resources necessary for Barnstable County to maximize its contributions to its constituents throughout the region.

While the focus of the Department is to further the success of Barnstable County, BCIT is also one of a small number of IT departments in the State that generates revenue by selling services to other municipal agencies.

### FISCAL YEAR 2022

Fiscal Year 2022 represented a turning point in the history of the department. New customers drove the need for more staff with additional revenue as the justification, culminating in a supplemental budget request for additional staff.

Although the hiring of new personnel would take longer than anticipated for multiple reasons, the movement in this area allowed BCIT to cautiously increase service levels in Towns that needed increased support levels. This calculated risk provided a new metric for the department's maximum external support capacity -the level of service that could be temporarily provided with limited staff.

Additional planning for regional projects with towns also increased with great care being taken to align regional projects with existing or past County projects to ensure efficiency.

Challenges related to product supply chains continued to plague the IT industry and its customers. The County was able to side-step many major challenges by being primarily cloud-based and taking an opportunistic approach toward vendors and hardware when needed.

This report will summarize key project milestones for the County, as well as provide a brief history of regional services delivered by BCIT, in celebration of the 10th year of formally providing such services and support to towns throughout the region.

### FISCAL YEAR 2022 STRATEGIC OUTLINE AND PROJECT HIGHLIGHTS

This most recent fiscal year was consistent with the strategic direction of previous years:

- Cloud-First Approach – Provide solutions using cloud services wherever possible.
- Consolidate and Expand – Expand our service reach by consolidating service offerings.
- Empower End-Users – Provide the tools and access needed for employees to work flexibly and support themselves securely.
- Follow Best Practices – Consistently review and follow industry best practices, especially those related to cybersecurity.

The following are key areas, upon which the most funding and effort among staff was expended throughout the last fiscal year:

**Regional IT Services:** In addition to increasing levels of basic support rendered for existing customers, as well as onboarding new customers, BCIT also engaged in major IT infrastructure and service rollouts for several key customers:

Town of Truro – migration to cloud-based file storage, and deployment of new wireless networks.

Town of Wellfleet – fiber optic network rollout, network upgrades, and surveillance systems.

**Financial Systems Upgrade and Migration:** Finished migration of the County's enterprise resource planning system to the cloud, as part of a long-standing upgrade project. This marks a major milestone in the reduction of reliance on physical infrastructure on the County's main campus and data center systems.

**Licensing Consolidation:** Long-standing software needs were addressed by increasing licensing quantities under a single purchasing account with the vendor, saving thousands of dollars in direct costs through higher volume purchasing and reducing administrative overhead.

#### A DECADE OF REGIONAL IT SERVICES

The following timeline illustrates regional expansion of Barnstable County's IT services through the establishment of long-term contractual agreements with several of the Cape's towns. These agreements have served to provide a regional option for general IT support and migration to cloud-based services through County servers; items that could not be adequately addressed in-house by certain towns due to staff and funding limitations.

Beginning in 2012, Barnstable County IT (BCIT) began providing services to the Town of Wellfleet after their sole IT staff person resigned. Since then, BCIT has been acting as their full-time IT department, providing on-site support, 24/7 incident response, project management and strategic advisory services.

The Town of Truro requested assistance shortly thereafter, as they were also facing the resignation of their only IT staff person. This individual ultimately decided to stay in their role, with BCIT providing per-diem on-site support services, special project assistance, and hosted email services from the County's servers. Eventually, BCIT assisted Truro with migration to cloud services for email.

Two additional regional contracts followed: 1) BCIT assisted the Town of Falmouth with transitional support services and the recruiting of new IT staff, and 2) BCIT provided the Town of Chatham with hourly project assistance and consultation services as well as hosted email, phones, and virtual servers from the County's datacenter over a regional fiber network. Eventually, BCIT also assisted with the migration of Chatham's email and phone system to the cloud.

#### CUSTOMERS

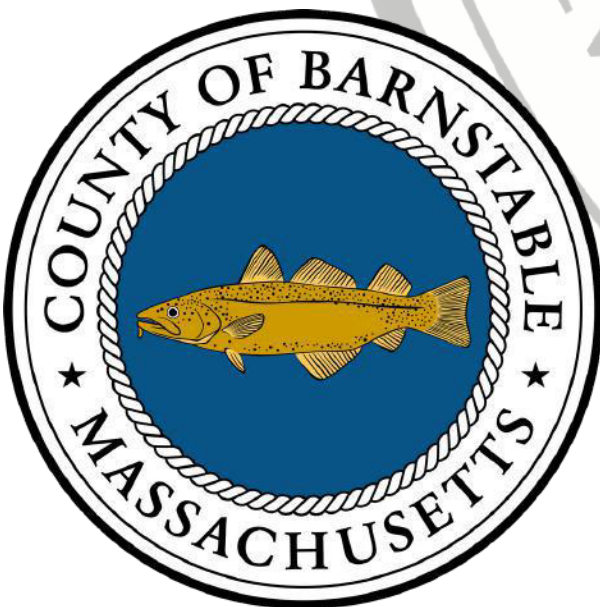
The IT Department served the following customers in Fiscal Year 2022.

- Assembly of Delegates
- Cape Cod Commission
- County Commissioners
- Children's Cove
- Dredge
- Cooperative Extension
- Facilities
- Finance
- Health and Environment
- Human Services
- Registry of Deeds
- Resource Development Office
- Town of Chatham
- Town of Harwich
- Town of Orleans
- Town of Brewster
- Town of Bourne
- Town of Truro
- Town of Wellfleet



FY'22

Report of the  
**DEPARTMENT OF HEALTH  
& ENVIRONMENT**







FY'22

# DEPARTMENT OF HEALTH & ENVIRONMENT

3195 Main Street  
P.O. Box 427  
Barnstable, MA 02630  
508-375-6613 | Fax: 508-362-2603  
Laboratory Fax: 508-362-7103  
[www.barnstablecountyhealth.org](http://www.barnstablecountyhealth.org)

## REPORT OF DEPARTMENT OF HEALTH & ENVIRONMENT

*For the Period July 1, 2021 and ending June 30, 2022*

### ADMINISTRATION

**Sean O'Brien, B.S., R.S., Director | Emergency Preparedness Coordinator**

508-375-6618 | [sobrien@barnstablecounty.org](mailto:sobrien@barnstablecounty.org)

**Barbara Austin, Executive Assistant**

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**Bethany Traverse, B.A., R.S., Health Communications Coordinator**

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### WATER QUALITY LABORATORY DIVISION

Hours: 8:00 am – 4:00 pm, Monday – Friday

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**Daniel J. White, M.S., Laboratory Director**

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**Leonard Pitts, Ph.D. Chemist / Analyst II**

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**Long, Christopher, B.S., Chemist/Analyst II**

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**Ryan Lucier, B.S., Bacteriologist**

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Lacey Prior, B.S., Chemist/Analyst I

**Lacey Prior, B.S., Chemist/Analyst I**

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**Liping Xun, M.S., Chemist / Analyst II**

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**Andrew Barker, Ph.D., Chemist/Analyst I**

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**Stephen Lee, MS, Chemist / Analyst I**

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**Jennifer McMullin, Lab Assistant I**

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**Veronica Tavares, A.A., Lab Assistant I**

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**Katarina Soldatov, Laboratory Department Assistant II**

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### ENVIRONMENTAL HEALTH DIVISION

**Emergency Preparedness Project Specialists**

**Amy L. Alati, B.G.S., M.R.P., M.S. Hazardous Materials Specialist/Laboratory Safety Officer**

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**Michael Walker, M.A., Emergency Preparedness Incident Management Team Coordinator**

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**William Reilly, MSEM, Emergency Preparedness Specialist**

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**Environmental Specialists**

**Lynn Mulkeen, B.A., R.S., Senior Environmental Specialist/Public Health Sanitarian**

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**Erika Woods, M.S., R.S., Deputy Director, Senior Environmental Specialist/Public Health Sanitarian**

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**Environmental Project Assistant**

**Beach Sampling Program**

**Carol Eastman, B.S., R.S.**

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### ALTERNATIVE SEPTIC SYSTEM TEST CENTER AND MANAGEMENT PROGRAM

**Brian Baumgaertel, B.A., R.S., Director, Environmental Specialist/Public Health Sanitarian**

508-375-6888 | [bbaumgaertel@barnstablecounty.org](mailto:bbaumgaertel@barnstablecounty.org)

**Tracy Long, Administrative Assistant/Alternative Septic System Tracking Program**

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FY'22

# DEPARTMENT OF HEALTH & ENVIRONMENT

**George Heufelder, M.S., R.S., Environmental Specialist/Public Health Sanitarian**

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**Bryan Horsley, WWTP0 4, B.A. Test Center Operator**

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**Kathleen M. Regan, Ph.D., Microbiologist**

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**Emily Michele Olmsted, B.S., Environmental Project Assistant/Alternative Septic System Tracking Program**

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**FISCAL YEAR 2022 IN REVIEW**

The mission of the Barnstable County Department of Health and Environment (BCDHE) is to promote a healthy Cape Cod community through disease prevention and control, health, and safety education, environmental protection, and emergency preparedness. Fiscal Year 2022 (FY22) afforded an opportunity to refocus efforts on the robust services that support this mission while integrating COVID-19 pandemic response into day-to-day departmental operations.

In FY22, BCDHE continued to offer COVID-19 booster clinics, outreach, public health nursing assistance through the COVID-19 Helpline, and expansion of contact tracing efforts in response to the Omicron surge that occurred between December and February of 2021/2022. Public outreach continued through website content, social media campaigns, and the dissemination of a quarterly newsletter with articles specifically geared toward helping the public navigate a post-COVID landscape.

The Department continued to support local boards of health through the coordination and facilitation of bi-weekly meetings of the Cape and Islands Health Agent's Coalition. Department staff also assisted the town of Provincetown with preventative outreach and education during Monkeypox case outbreaks in late spring by providing public health nursing consultation and communication support.

In the spring of 2022, Barnstable County launched a new website under the domain name CapeCod.gov, which greatly improved BCDHE's capacity for effective public outreach and communication. Health Communications Coordinator Bethany Traverse oversaw the effort and provided input through the Barnstable County Communications Team. The website features increased accessibility, with an overall improvement in content organization and ease of navigation. Ms. Traverse also managed social media and press communications for the Department and County in FY22 and continues to maintain updated COVID-19 resources and case data specific to Barnstable County via the website.

FY22 was a successful year for the acquisition of grant funding, both from a public health and environmental protection standpoint. In March of 2022, the Department was awarded a \$300K public health excellence grant to improve community resiliency by helping local health departments to raise standards through strengthened collaboration, maximized use of available technology, and resource stabilization. Shortly thereafter, the Department was awarded \$550K to establish a public health training hub for Cape Cod and the Islands, to improve public health workforce training and credentialing.

On the wastewater front, the Massachusetts Alternative Septic System Test Center (MASSTC) received \$1.24M from the US Environmental Protection Agency's Science to Achieve Results (STAR) program to help research the efficacy of onsite and decentralized wastewater treatment systems. This work is part of an ongoing effort to improve water quality of Cape Cod's sole source aquifer and recreational water bodies and reduce degradation from human influences.

## ADMINISTRATION

The Administration Division oversees the Department's budget and programs and provides an avenue through which citizens and towns can directly access services and information relative to public health and the environment. In FY22, the Administrative Division prepared several grants to support the following: bathing beach monitoring, the Massachusetts Alternative Septic System Test Center (MASSTC), assistance with hoarding, public health screening for at-risk populations, public health emergency preparedness efforts, and the Cape Cod Medical Reserve Corps, which serves the towns when public health emergencies arise.

As a part of the COVID-19 pandemic response, BCDHE implemented strict and detailed protocols for departmental staff to continue to provide service and support to Barnstable County's residents. Working remotely, staggered schedules for office time, use of personal protective equipment and social distancing have become the norm for employees as they continue to provide services to the region. Barbara Austin, the Department's Administrative Supervisor, was essential to department operations by overseeing payroll and staff scheduling, managing the department budget, and monitoring grant spending throughout FY22.

## ENVIRONMENTAL HEALTH

### Inspectional Services

Barnstable County Department of Health and Environment field staff members maintain the readiness and certifications necessary to assume health agent responsibilities in any town whose needs require assistance for routine services, technical assistance, or special projects. The Department's close and regular communication with local Boards of Health and their agents make such events seamless for the public.

In addition to general support services, department inspectors conducted over 1,100 restaurant/retail food establishment and swimming pool inspections across Barnstable County during the summer season, including complaint follow-up and repeat inspections when necessary. The pandemic was still a factor in FY22, and the inspectors shouldered the added responsibility of mastering new regulations and guidelines related to COVID-19.

Drought conditions throughout the region and water concerns added to the tasks required of seasonal inspectors and gave them an opportunity to further educate residents and visitors about the importance of preserving and protecting our natural resources.

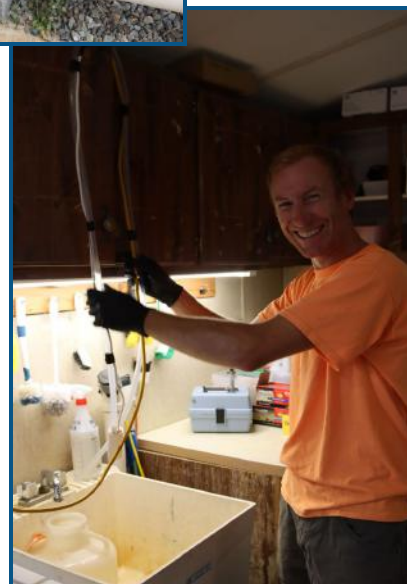
### Massachusetts Alternative Septic System Test Center

In operation since 1999, the Massachusetts Alternative Septic System (MASSTC) has been on the cutting edge of researching and testing

technologies that remove contaminants from wastewater discharged through onsite septic systems. As the nation's premier test-bed for academic institutions and private industry alike, the Test Center diverts untreated wastewater from Joint Base Cape Cod where it is used to simulate residential wastewater influent. This allows for the active investigation and development of products that focus on nitrogen reduction to protect sensitive marine resources.



*George Heufelder, Environmental Project Assistant, samples a system at MASSTC. (pictured left)*



*Bryan Horsley, MASSTC operator, prepares sampling equipment for use. (pictured right)*

Collaborative projects with partners at Stony Brook University in New York, the University of Rhode Island, the Florida Department of Health, and the Massachusetts Department of Environmental Protection (MassDEP) give promise for deploying low-impact sustainable modifications to standard soil treatment areas (a.k.a. leach fields or leaching beds). These projects are working to address the many problems associated with nutrients, pathogens, and contaminants of emerging concern originating from onsite septic systems.

The Clean Water Act Section 319 grant funds (which were previously awarded to MASSTC in FY19 to study the efficacy of phosphorus removal by alternative septic systems) were expanded in FY20 to include a study of virus and bacteria removal at varying soil depths. The grant in part provided subsidies for several homeowners to install and test experimental phosphorus-removal septic systems at



their homes. The grant also provided the funding for a new laboratory and ongoing laboratory costs, the construction of unique test cells for collection and analysis of treated effluent, and the new hire of a microbiologist to study the amount of virus and bacteria removal through various depths of sand. This work continued through FY22.

Additionally, MASSTC was awarded \$1.24M from the United States Environmental Protection Agency (US EPA) Science to Achieve Results (STAR) program. These funds allowed MASSTC to not only continue the work started with the 319 grant funds mentioned above, but to assist EPA in determining the efficacy of using onsite and decentralized wastewater treatment systems for water reuse purposes. The Test Center continues to work on this project and is generating an even larger dataset, comparing the treatment of pathogens from various soil depths, decentralized technologies, and large wastewater treatment plants. There is also an ongoing collaboration with MassDEP's Wall Experiment Station in Lawrence whose staff will use droplet digital PCR (ddPCR) and quantitative polymerase chain reaction PCR (qPCR) analyses to assay human pathogenic enteric adenoviruses and noroviruses.



*Abby Collyer, the MASSTC laboratory technician, counts virus plaques.*

Two new staff members were onboarded at MASSTC in FY22; Sara Wigginton was hired to fill the position of Project Assistant in October of 2021, and Abigail Collyer joined the team as a laboratory technician in November of 2021. Further, AmeriCorps members Susanna Baker and Travis Kornegay completed volunteer placements at MASSTC, working to create education and outreach materials regarding septic system and wastewater awareness. Among these, were three video-based resources for homeowners titled "The Four Ps of Septic Systems", "Don't Cut the Candy Cane", and "Knock Out Grease". They also worked on production of the Groundwater Guardians podcast, One Drop Leads to Another.

The Shubael Pond Project, a collaboration between MASSTC, the Barnstable Clean Water Coalition, the US Environmental Protection Agency, and other stakeholders to reduce nutrient inputs by septic systems, commenced in FY22. The project incentivizes homeowners to replace their standard Title 5 septic systems with experimental innovative/advanced systems that are purported to more effectively remove nitrogen from wastewater in environmentally sensitive areas. The Test Center's role is primarily to provide third-party sampling and inspection services, ensuring that performance data of any new experimental technologies is accurate and unbiased. Staff sampled 6 different sites throughout the region in FY22, with more sites scheduled as the year progresses.



*Abby Collyer, the MASSTC laboratory technician, counts virus plaques.*

Staff members from MASSTC spoke at multiple conferences and seminars in FY22, including the Massachusetts Health Officers Association conference, the Massachusetts Environmental Health Association conference, and the New England Interstate Water Pollution Control Commission short course. MASSTC members, with the help of the Yankee Onsite Wastewater Association, also put on an educational seminar about Title 5 setbacks and the Layered Soil systems. This resource is available on the MASSTC website.



*Brian Baumgaertel, MASSTC director, handles the backstage media for George Heufelder's virtual presentation.*

### **Innovative/Alternative Septic System Education and Tracking**

Concurrent with ongoing research and development efforts underway at the Massachusetts Alternative Septic System Test Center (MASSTC) and in conjunction with the region-wide EPA Section 208 Plan implementation, the Department assists towns with monitoring their I/A septic systems at no cost. An internet



database was developed to collect inspection reports and effluent monitoring results, and it also allows regulators the ability to track compliance for 3,700 active and over 4,500 total I/A systems across the Cape, Islands, and Southeastern Massachusetts. The Program's exceptionally large monitoring dataset currently houses over 42,000 sample reports and allows for a detailed analysis of applicable septic systems. An online charting system makes the data more easily accessible for boards of health and the public at: <https://www.capecod.gov/departments/health-environment/programs-services/water-and-wastewater/alternative-septic-system-tracking/>.

In addition to systems monitored for the individual towns, the Program continues to track all pilot and provisionally approved systems in the Commonwealth as part of a contractual agreement with the Massachusetts Department of Environmental Protection (DEP). The agreement allows DEP to evaluate newer I/A technologies more efficiently. All Pilot Use systems are now tracked in the database, and staff is continuing to coordinate with DEP regarding Provisional Use systems.

### Landfill Monitoring

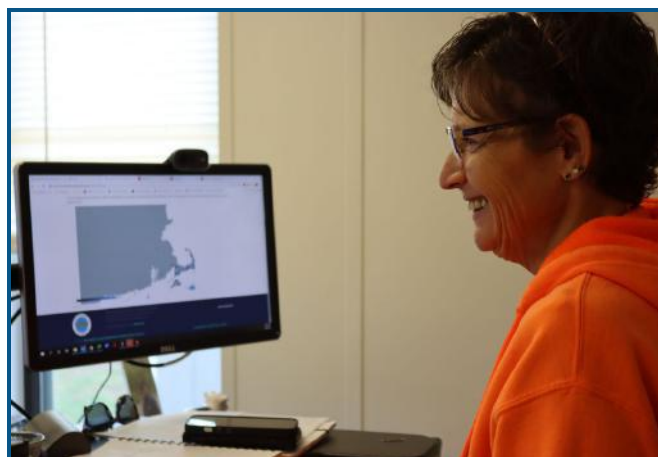
Department staff performs ground and surface water sampling to meet the consistently stringent post-closure and operational landfill monitoring requirements for eleven Cape Cod towns. This ongoing program supplies continued surveillance of groundwater across the region and establish data trends important in recognizing any emerging concerns. Annually, more than 600 water wells and surface water sites are sampled as part of this program. The Department also provides specialized monitoring of soil gases required as part of the landfill closure process in five towns.



*Beach Sampler/Analyst Mary Jo Murphy processes bathing beach samples.*

### Bathing Beach Water Quality Monitoring

The Bathing Beach Monitoring Program serves the towns in Barnstable County through weekly collection and analysis of water samples from the towns' public and semi-public beaches. The Program notifies town health agents and semi-public beach



*Tracy Long, MASSTC Administrative Assistant, works on managing the Innovative/Alternative septic system tracking program.*

operators when sample results exceed the bacteriological limits set by the Massachusetts Bathing Beach Regulations. When an exceedance occurs, the Program staff immediately resamples the affected beach and continues this action until results meet state requirements. More than 350 beaches across Cape Cod are sampled every week in the summer months.

In FY22, the task of overseeing this extensive program was executed by Environmental Project Assistant Carol Eastman. This summer, with the help of a team of seasonal field/laboratory analysts, over 4,500 samples were collected and processed. Testing results are published daily on the County Health Department website as well as on the Massachusetts Department of Public Health statewide beaches website.

Also, in FY22, the Bathing Beach Monitoring Program participated in a countywide effort to better understand and mitigate harmful cyanobacteria blooms in the region's ponds. Field analysts worked to support monitoring efforts organized by the Association to Preserve Cape Cod (APCC) through the collection of bi-weekly samples from 30 ponds. This season, Program staff collected approximately 180 cyanobacteria samples.



*Beach Sampler/Analyst Zachary Foley seals beach sample trays prior to incubation.*



FY'22



*County Beach Sampler/Analysts receive training from APCC Cyanobacteria Program Coordinator, Kevin Johnson.*

For more information regarding the Bathing Beach Monitoring Program, please visit <https://www.capecod.gov/departments/health-environment/programs-services/water-and-wastewater/bathing-beach-water-quality/>.

#### **Rabies Awareness and the Cape Cod Oral Rabies Vaccination Program**

The Barnstable County Department of Health and Environment, in conjunction with the Cape Cod and Southeast Massachusetts Rabies Taskforce (CCSMRTF), continues to coordinate with local health directors, animal control officers and natural resource officers to contain terrestrial rabies on Cape Cod with a goal of pushing it farther west and north. The task force, co-chaired by the Department's Deputy Director Erika A. Woods and Karl von Hone of the Yarmouth Division of Natural Resources, continues to meet regularly to develop strategies and procedures to address terrestrial rabies to include the promotion and coordination of annual rabies clinics that are hosted in partnership with town agencies.

In addition to education and policy, the CCSMRTF works with USDA Wildlife Services, supported by the Massachusetts Department of Public Health, to coordinate semi-annual distribution of the Oral Rabies Vaccine (ORV). In June of 2021, the first positive case of terrestrial rabies on Cape Cod in over eight years was discovered in the town of Barnstable, and the CCSMRTF immediately coordinated with USDA wildlife services to develop a targeted plan, trap, vaccinate, and release program. Oral rabies vaccine distribution was conducted across the region by task force members. Although DNA testing suggests that the animal was not infected in Barnstable County, an abundance of caution dictates that the task force adjust its planning to account for the worst-case scenario.

For more information about the CCSMRTF, please visit: <https://www.capecod.gov/departments/health-environment/programs-services/environmental-health/rabies-awareness/>



*A helicopter takes off to perform aerial distribution of the Oral Rabies Vaccine (ORV).*

#### **The Cape Cod Hoarding Task Force**

Hoarding disorder (HD) is estimated to affect two to six percent of the population. Characterized by the inability to discard possessions resulting in an accumulation of items that compromises the intended use of living areas, HD creates distress in daily functioning and poses risks to the health and environment of individuals in and around the home, as well as first responders. The illness is often associated with the early stages of dementia and Alzheimer's Disease and not only impacts individuals, families, and neighbors; it poses risks of enhanced fire danger, degraded indoor air quality, compromised structural integrity, and increased strain on town resources.

Chaired by Deputy Director, Erika A. Woods and overseen by a seven-member executive committee, the mission of the CCHTF is to provide education, collaboration, and support for those affected by hoarding through accessible tools, referrals, and resources. With an estimated 8,500 Cape residents affected by HD, the Task Force continues to provide professional training, community outreach and support for the many self-help groups across Barnstable County. The Task Force regularly fields calls and emails from

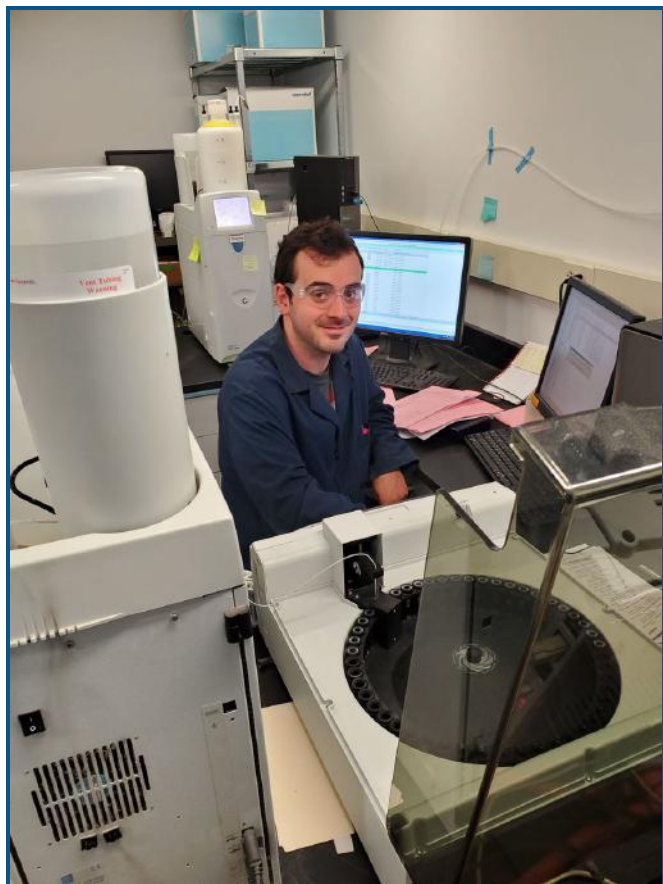


individuals struggling with hoarding, concerned family members, service providers, housing agencies, and municipalities from each town on Cape Cod.

## WATER QUALITY LABORATORY

The Barnstable County Water Quality Laboratory is certified by the Massachusetts Department of Environmental Protection (MassDEP) and provides analytical services to Barnstable County's private residents and municipalities alike. The Laboratory's mission is to protect the public health from exposure to environmental and anthropogenic contamination through monitoring and analysis of the Cape's drinking water supplies, groundwater, and surface water sources. In FY22, the Barnstable County Laboratory received almost 19,000 samples and performed over 100,000 individual analyses.

One primary directive of the Laboratory is to provide high-quality analyses of various contaminants in drinking water. Accordingly, the Laboratory assists water departments on Cape Cod in meeting the monitoring requirements necessary for adherence to state and federal water quality standards. Water departments benefit from the flexibility of the Laboratory to assist when periodic problems arise, such as the seasonal and transient occurrences of bacterial contamination in the systems. The Laboratory also provides analytical services to owners of private drinking water wells and weekly sample pick-ups in Wellfleet, Truro, Eastham, Brewster, Falmouth, and Mashpee.



*Chemist Christopher Long analyzing drinking water samples for nitrate with an ion chromatograph.*

In addition to drinking water, the Laboratory provides wastewater analysis for the Massachusetts Alternate Septic System Test Center (MASSTC) and several other wastewater treatment and monitoring entities.

The Laboratory also conducted analyses of a wide variety of environmental samples during FY22, including bathing beach samples, landfill monitoring samples, shellfish harvesting area samples, pond and lake samples, swimming pool and spa samples, and samples associated with a state-run initiative to monitor lead in school's drinking water. The Laboratory has been supporting local health agents' management decisions with regard to harmful algal blooms in our freshwater ponds by providing cyanotoxin analysis.

The Covid-19 Pandemic created numerous challenges to all workplaces. The Barnstable County Laboratory has continued to provide service to our customers. Through social distancing, personal protective equipment, good hygiene, and telecommuting we have been able to meet the needs of our clients, while creating a safe work environment for our staff. The Laboratory is currently fully operational and open to the public.



*Laboratory Assistant Jennifer McMullin receiving wastewater samples from MASSTC.*

## COMMUNITY SEPTIC MANAGEMENT LOAN PROGRAM

The Community Septic Management Loan Program (CSMLP), aimed at upgrading failed residential septic systems, was made possible by the enactment of the Open Space Bond Bill of 1996. This law appropriated \$30 million to the Massachusetts Department of Environmental Protection (MassDEP) to assist qualified homeowners with defraying the cost of Title 5 regulatory compliance.



FY'22

In turn, MassDEP used the appropriation to fund loans through the Massachusetts Clean Water Trust (MCWT).

For over 16 years, the Barnstable County Department of Health and Environment has administered the CSMLP on behalf of all 15 Cape Cod towns. As a way of streamlining the program, Barnstable County secured special legislation in 2006 allowing CSMLP to borrow money directly from the MCWT. To date, CSMLP has provided over \$56,400,000.00 million in loans for over 4,700 septic system repairs. The interest rate charged to homeowners remains at 5% as does the 20-year repayment term. Septic system repair projects including sewer hook-ups completed for FY22 totaled 200. This translates to \$3.1 million in project costs. Program funds from the state remain available into the foreseeable future, allowing CSMLP to continue providing an effective and efficient means of assisting area residents with often cost-prohibitive yet essential septic system requirements.

It is important to note that the CSMLP is self-supporting through interest earned from loan program enrollment, thus saving taxpayers all operation costs and staff salaries for Angela Do Carmo and Cinthia Madden. Additional savings include all associated legal expenses and recording fees at the Registry of Deeds. For more information about the CSMLP, please visit our website:

<https://www.capecod.gov/departments/health-environment/programs-services/water-and-wastewater/community-septic-management-loan-program-csmlp>.

#### **PUBLIC HEALTH NURSING DIVISION**

After twelve years of leading the Department's Public Health Nursing (PHN) Division, Deirdre Arvidson, MSN, APRN, SANE left the Department in March of 2022. In her stead, Maurice W. Melchiono RN, MS served as Interim Public Health Nurse for the remainder of FY22. In addition to a staff of 16 contract nurses who assist in providing quality care to the region, the Division has accepted nursing interns from Cape Cod Community College, UMass Boston, Wisconsin State University, UMass Dartmouth, Worcester State University, and other schools where students' needs for internship placements can be matched to regional public health program needs. To date, we have sponsored 47 students, including one doctoral candidate and several masters level students.

Programs and services of the Public Health Nursing Division include the Tick-borne Disease Prevention Program, the Public Immunization Program, the Sun Safety and Skin Cancer Awareness and Prevention Program, the Municipal Health Group Biometric Screening Program, the Ask a Public Health Nurse Program, public safety personnel services, OSHA standard bloodborne pathogen/communicable disease training for public and private sector workers, subsidized housing preventative health screenings, disease surveillance and blood pressure clinics, the COVID-19 and Monkeypox Helpline, and our quarterly Community Health Newsletter. Division outreach efforts also include conducting health fairs and speaking at a wide range of venues.

The Division's Public Immunization Program continues to provide a cost-effective, convenient option to anyone seeking vaccination, including those without insurance. The program also provides free immunizations through the Federal Vaccine for Children Program (VFC). Free vaccines through the VFC program were administered for a total of 711 immunizations to children and adolescents. The Program also offers all travel vaccines and is listed on the Centers for Disease Control and Prevention's (CDC) travel clinic website. In FY22 a total of 116 travel vaccines were administered. As a Mass Health and Medicare provider that also collaborates with the UMass Medical School for Health Care Financing, the Program can bill most major insurance carriers when applicable.

During the COVID-19 pandemic, the Division continued to provide adult-recommended vaccinations and immunizations for students. Due to capacity issues at many local pediatric practices, the Division has stepped up to provide childhood immunizations for families that might not otherwise be able to access them. The Division has also been working with schools in the County to catch children up on their recommended vaccination schedules. Much like the rest of the country, there has been a decrease in childhood and adolescent immunization rates due to the ongoing pandemic.

The Division continued to provide several vital services during the pandemic and beyond, including Covid-19 and communicable disease case management for all Provincetown residents. The Division began its 2nd year of a \$500,000 state grant to organize a shared services program for Covid-19 case investigation and contact tracing in all 15 towns through the Massachusetts Department of Public Health (MA DPH). Three contact tracers were hired and to date, seven towns have joined our collaborative efforts. The contact tracers have also been involved in working with skilled nursing facilities, residential programs, and early children's education centers.

The Division continued its distribution of the Covid-19 vaccine which was started in January 2021. In FY22, 5,617 additional COVID-19 vaccines and boosters were administered. Influenza vaccinations lagged County-wide as they did nationally, with 2,062 influenza vaccinations administered in FY22.

The spring of 2022 saw the beginning of a new disease outbreak. First reported in Europe, the United States reported its first case of monkeypox in the Boston area in May of 2022. On May 17, CDC, in coordination with state and local jurisdictions, initiated an emergency response to identify, monitor, and investigate additional monkeypox cases in the United States. The Public Health Nursing Division, along with local government representation and regional health experts, quickly formed a working group to address monkeypox-related issues that could impact Barnstable County. The Division continues to work with key state and local stakeholders to address the ongoing monkeypox outbreak.

In FY22 the Division's Ask a Public Health Nurse Program continued to operate out of local food pantries across Barnstable County and provide needed access to a health professional for screenings and related wellness resources. Services included blood pressure screenings, glucose testing, health counseling,



distribution of relevant educational materials regarding illness prevention and other valuable community health resources. Flu shots are also offered to all food pantries staff and clients. Specific sites that benefit this program include A Baby Center, Sandwich Food Pantry, the Women, Infants, and Children (WIC) office in Hyannis, St. David's Paper Pantry, and the Yarmouth Food Pantry. The Division also offers regularly scheduled blood pressure clinics at the Chatham Community Center and the Eastham Public Library.

As in previous years, the Ask a Public Health Nurse Program collaborated in FY22 with the Hunger Network and Lower Cape Outreach to provide an onsite chronic disease monitoring program called Foods to Encourage (FTE) in several locations. By participating in FTE, clients with hypertension, diabetes, and pre-diabetes have access to weekly blood pressure and glucose testing, as well as health counseling, nutrition education, and a bag of produce. The FTE program is offered at the Friends of Bourne Pantry, Harwich Family Pantry, Falmouth Service Center, Orleans Methodist Church pantry, and the Brewster Council on Aging.

As the pandemic eased the Division was again able to expand on-site public health education opportunities in FY22. The Division offered tick and Lyme education along with sun safety to 1,331 students and staff of Barnstable County schools via in-person presentations. In-person events at Nauset Highschool, Harwich Elementary School, local farmer's markets, and councils on aging served another 423 individuals. Lyme disease is endemic in this region, making education about tick-borne illness prevention vitally important.

In collaboration with the Municipal Health Group, the Division offers vital biometric screenings to all municipal employees through the Municipal Health Group Biometric Screening Program. Biometric screenings include weight and waist measurements, body mass index, blood pressure, pulse, glucose, cholesterol, bone density, skin analysis, and hearing and vision screening. All screenings include health counseling and up-to-date informative literature. The County Cooperative Extension nutritionist provides education and samples of healthy eating, while a Good Health Gateway representative utilizes screening data to provide a "heart age" for participants.

### CAPE COD MEDICAL RESERVE CORPS

The mission of the Cape Cod Medical Reserve Corps (CCMRC) is to engage volunteers to strengthen public health and emergency response and to build community resiliency. Director Diana Gaumond, Volunteer Coordinator Marypat Kane-Oropallo, and Administrative Assistant Kathleen Galligan led a group of talented and dedicated volunteers in supporting our community through a very challenging year, addressing the ongoing COVID-19 pandemic while also transitioning back to pre-pandemic programs and activities.

Volunteers come to the CCMRC with a wealth of experience and provide compassionate expertise in clinical and non-clinical roles. Typically, volunteers are trained in CPR, emergency preparedness and the Incident Command System (ICS). They participate in regular drills and training and ably respond to both emergency

and non-emergency situations. Our emergency response capabilities were put to the test when Cape Cod experienced a blizzard in late January. Emergency shelters were opened in 3 locations and many MRC volunteers braved the storm and difficult driving conditions to assist at the shelters.

In the continuing battle against COVID-19, the CCMRC played a vital role in the effort to immunize Barnstable County's population against the virus. At community vaccination clinics, volunteers did everything from directing traffic to performing registration, screening, injections, and post-vaccination observation. When vaccines for children became available, CCMRC worked with pediatricians to vaccinate their patients. Volunteers worked at both comfortable indoor clinics and drive-through clinics in difficult conditions, dealing with cold, strong winds, mud, and rain in order to get people vaccinated.

The CCMRC continued to provide staffing for Barnstable County's much-needed COVID-19 Helpline into FY22, sharing their extensive healthcare expertise, patience, and compassion to address the community's questions and concerns surrounding COVID-19. The CCMRC also staffed pop-up testing sites as well as drive-through PCR testing clinics at the Barnstable County Fairgrounds in Falmouth and at the Orleans DPW, until these services began to taper off in early FY22.



*MRC volunteers assist a bicyclist in self-administering a COVID-19 test at a drive through PCR testing clinic.*

As the need for COVID-related support diminished throughout FY22, teams of volunteers were trained in teaching CPR and AED use, Choke Saving, and Stop the Bleed. Volunteers also provided tick and Lyme education to staff at recreational camps Cape-wide. Finally, many CCMRC volunteers joined the ranks of the medical support team for the Falmouth Road Race in August. homeowners with defraying the cost of Title 5 regulatory compliance.



*Cape Cod Medical Reserve Corps staff provide Stop the Bleed training for volunteers.*



FY'22

CAPE COD REGIONAL TOBACCO CONTROL PROGRAM

Cardiovascular disease and lung cancer are the leading causes of death in both men and women in the United States, yet both are preventable simply by avoiding tobacco use. Further, the current use of vaping products has reached epidemic levels, warranting a strong effort to educate the public about the inherent dangers of these devices. These realities brought about the Cape Cod Regional Tobacco Control Program (CCRTCP).

Under the direction of Robert Collett, the CCRTCP is supported through a state grant administered by the Department on behalf of all Cape Cod towns (apart from Dennis), Martha's Vineyard, Nantucket, Plymouth, and Wareham. The Program's education efforts include an annual visit to each tobacco merchant in all 23 communities within the service area and assisting local boards of health with the promulgation and implementation of tobacco control regulations. In FY22 a total of 382 tobacco sales compliance checks (utilized to assure compliance with youth access laws) were conducted within the service area. Violators were re-checked for compliance. The program also investigated four complaints of violations of the MA Indoor Workplace Smoking Law, sharing findings with respective local Boards of Health.



*This photo was taken during an inspection to document a compliance violation of the tobacco control regulations. Massachusetts State Law prohibits the sale of flavored products that can be smoked or vaped.*

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**EMERGENCY PREPAREDNESS DIVISION  
Regional Emergency Planning Committee**

Planning and implementing a regional response to disasters and emergencies on Cape Cod and Nantucket happens cohesively through the cooperative efforts of the Barnstable County Regional Emergency Planning Committee (BCREPC).

The initial impetus for the Committee arose when local municipalities realized the advantage of having a regional coordin-

ated approach to municipal compliance with the Superfund Amendments and Reauthorization Act, also known as SARA Title III. As the program demonstrated success and relationships were developed with emergency response stakeholders, the role of the Committee expanded to "all hazards" emergency coordination to address homeland security, meteorological events, public health matters, and regional sheltering issues that affect the region.

All fifteen communities on Cape Cod and, in addition, Nantucket, are represented on the BCREPC. Grounded in the Emergency Preparedness Division, the Committee meets regularly to hone skills, build relationships, and strategize to address all types of emergencies. Chief Peter Burke of the Hyannis Fire Department and Chief Heath Eldredge of the Brewster Police Department currently serves as the BCREPC's co-chairs. Their efforts are supported by Barnstable County Emergency Preparedness Coordinator Sean O'Brien, Hazardous Materials Specialist/Laboratory Safety Officer Amy L. Alati, Emergency Preparedness Specialist William A. (Chip) Reilly III, Multi-Agency Coordination Center Manager/Incident Management Team Coordinator Michael Walker, as well as many private sector organizations, public sector agencies, and volunteer organizations that serve on the committee.

The Pandemic response was a waning focus of the Emergency Preparedness Division in FY22. The Division played a significant role in the coordination of a regional approach to COVID-19 vaccination administration throughout the pandemic, but as vaccine and personal protective equipment became more available, staff were able to shift their focus to other response-related tasks. Nonetheless, the Division continued to support the mass vaccination emergency dispensing sites of the COVID-19 vaccination effort on Cape Cod, including sites at Cape Cod Community College (4Cs), the Melody Tent, Cape Cod Fairgrounds, the National Seashore, Orleans DPW, and the Barnstable County Complex. The Division also provided logistical coordination, site management, and resource acquisition, supporting the Cape Cod Medical Reserve Corps and the Department's Public Health Nursing Division which acted as clinical lead. Lastly, the Division played a significant role in the demobilization of these sites as the vaccine became more widely available and the facilities were no longer needed.

**Barnstable County Multi-Agency Coordination Center (MACC)**

The Multi-Agency Coordination Center (MACC) is managed by the Emergency Preparedness Division and is available on a 24-hour basis to Cape Cod's communities. The hurricane and winter storm season brought multiple significant weather events to the region including a potential hurricane impact (Henri), a major storm with multiple embedded tornados, heavy rain and snowfall, blizzard conditions, powerful winds, and widespread power outages. The MACC was fully activated in its hybrid mode countless times in response to weather incidents, planned events, and exercises and continues to work closely with towns, state, and federal agencies to provide regional pre-event coordination, situational awareness, and resource requests. The MACC continues to foster strong partnerships with local public safety agencies, utility providers, and a litany of volunteer groups helping to aid the residents and visitors of the County.



The Regional Shelter Program activated 3 shelters over multiple operational periods for a total of 90 hours during FY22 to support Cape Cod's most vulnerable. During these activations, over 100 residents and guests utilized the facilities as a respite from severe weather. Additionally, the BCREPC supported multiple community warming and cooling centers through personnel, equipment, or oversight support.

The Division continues to raise awareness of the regional sheltering program and the significance of personal preparedness through community presentations, media releases, and a comprehensive training program for regional shelter managers and volunteers. In addition, the Division continues to leverage county relationships to enhance shelter participation and support.

Barnstable County All Hazards Incident Management Team (BCAHIMT)

The Barnstable County All Hazards Incident Management Team (BCAHIMT), an integral part of "all hazard" emergency planning and response on Cape Cod, was activated multiple times to provide incident support to several search and rescue operations throughout FY22 as well as to conduct National Incident Management System level planning in support of multiple community events and exercises. In addition, the Team plays an important role in supporting the county Technical Rescue and Search Teams when deployed.

The BCAHIMT is dedicated and highly trained in the Incident Command System, and regularly provides training and facilitation of local and regional exercises throughout the community.

#### **Tier II Hazardous Chemical Emergency Report Inventory Program**

In FY22, roughly 462 municipal and private facilities in Barnstable and Nantucket counties used/stored hazardous or extremely hazardous chemicals in quantities that meet or exceed US EPA-enforced thresholds. The Tier II compliance assistance program serves facilities with their compliance under SARA Title III, otherwise known as the Emergency Planning Community Right to Know Act (EPCRA). Since 2005, these facilities have been assisted by the BCREPC in creating, updating, and filing their mandatory annual hazardous chemical inventory reports by the March 1st deadline each calendar year.

Hazardous Materials Specialist and Laboratory Safety Officer, Amy L. Alati, has 30 years of labor, regulatory/program implementation, training, and compliance process experience. The Tier II program provides hazardous chemical inventory and emergency data filing guidance, mapping updates to the region's fire departments, comprehensive facility assessments, and compliance training to all public and private Tier 2 facilities on Cape Cod and Nantucket. In FY22, the Tier II program saved the region's municipal facilities and private businesses tens of thousands of dollars in consultant filing fees, compliance training costs, potential penalties from the EPA, and lowered insurance rider costs.

Annual reporting provides critical information and mandatory facility site plans for hazardous materials pre-planning and emergency responses at the local, state, and federal levels. More importantly, Tier II data is essential in protecting our first responders who work to mitigate spills or releases across Cape Cod and Nantucket. Since 2008, this data has also been beneficial in providing baseline information for the BCREPC's annual, mandatory hazardous materials exercises.

These valuable collaborations build knowledge, relationships, and educational opportunities for each town's first responders, public works employees, public health representatives, and Tier II facility managers/workers.

Additional services provided to the towns under the Tier II program include in-person, cost-saving facility site assessments for chemical safety hazard identification and the reduction of town liabilities, OSHA-compliant Hazard Communication Standard training, and chemical emergency response education, planning, and coordination. When requested, information and guidance are also provided to towns and facilities that report under other emergency preparedness committees outside of Barnstable County. The growth and consistent progress of this important hazardous materials emergency planning program has prompted several off-Cape municipalities, state agencies, and even foreign countries to use the BCREPC's Tier 2 compliance program as a model for EPCRA compliance programs in their region.

#### **Hazardous Materials Training**

A primary function of the Emergency Preparedness Division is to conduct innovative, cost-free hazardous materials awareness and response training programs for municipal agencies, such as health, police, fire, and public works departments. These programs promote regional preparedness among the towns, empower facility workers with OSHA-compliant safety and response skills, and enhance responder/worker awareness and accountability while protecting environmental health.

Amy Alati, BCREPC's Hazardous Materials Specialist, provided OSHA Hazard Communication Standard training courses to county, municipal, and private entity employees in FY22. The BCREPC also coordinates, advises, and participates in chemical safety drills and facilitates technical workshops in both Barnstable and Nantucket Counties. These services benefit the towns by enabling significant cost savings for complying with annual hazardous material training mandates, avoiding steep consultant fees, and by reducing insurance rider fees while improving overall municipal compliance with EPA and OSHA regulations.

#### **Residential Underground Storage Tank Program**

Since 2009, the Department has provided services to the residents of Cape Cod which track removals and fund repair/replacement of residential underground storage tank (RUST) lines for home heating fuel, which is highly toxic. To reach property owners who need financial help in removing a RUST at the end of its lifecycle, the Department continues to offer the RUST 0% Loan Program. This program affords counsel and critical data to numerous realtors, fire departments, homeowners, and potential homebuyers in FY22, helping to document the mandatory environmental compliance status of RUSTs in each town. This is critical to the County's sole source aquifer protection efforts. The RUST program also enables the completion of real estate transactions in an efficient and transparent manner, streamlines RUST loan application guidance, and enhances the RUST loan payment collection services in Barnstable County.

#### **Cape and Islands Health Agents Coalition**





FY'22

The Cape & Islands Health Agents Coalition (C&I HAC), a longstanding public health collaboration between the Department and the towns of Barnstable County was established in 2004 under the coordination and facilitation of Amy L. Alati, Hazardous Materials Specialist/Laboratory Safety Officer. The 15 towns and County are mandated each year by the Centers for Disease Control and Prevention (CDC) and the Massachusetts Department of Public Health (MADPH) to implement new, unfunded, and grant-funded public health emergency planning (PHEP) deliverables by set deadlines.

The C&I HAC continues to provide the 23 towns of Cape Cod, Martha's Vineyard, and Nantucket with public health emergency preparedness information, resources, staff assistance, routine meetings, and training which meet each specific planning deliverable. Credentialed public health training workshops, ongoing environmental health education seminars, public health emergency response drills, and regulatory guidance updates and assist the towns of the Cape and Islands to consistently become more adept at situational awareness, public health emergency planning, public health hazard assessments, environmental health oversight, and coordinated emergency response efforts.

In FY22, the Department of Health and Environment continued to tirelessly assist local boards of health in the development and implementation of COVID-19 data updates, testing strategies, vaccination clinic logistics, regional communication, local responses, and case/contact tracing follow-ups on virus clusters throughout the communities of Cape Cod.



*Response Tabletop Exercise Lisa Cwoner, Regional Preparedness Coordinator for the Massachusetts Department of Public Health, moderates a tabletop exercise to help local health officials evaluate COVID-19 response efforts.*

Members and affiliates of the Cape and Islands Health Agents Coalition have worked in conjunction with BCDHE and the Massachusetts Department of Public Health (MDPH) for the past 17 years by sharing resources, critical information, and new/emerging methodologies that streamline a public health issues or crisis. Local Boards of Health (LBOH) are supported with ongoing programs, webinars, and the latest information from C&I HAC's planning partners which include the Barnstable County Public Health Nursing Division, the Cape Cod Medical Reserve Corps, the Massachusetts Department of Public Health, the Health and Medical Coordinating

Coalition (HMCC), the Visiting Nurse Association (VNA) of Cape Cod, BCDHE staff, and BCDHE's contracted public health nurse planners. These collaborative efforts support each town's public health programs and emergency response efforts, supplement their workloads, and provide the towns credit for each mandatory PHEP deliverable.

Throughout FY22, the Department administratively served the C&I HAC through ongoing individual support, remote group meetings, training/presentations from subject matter experts, and subcommittees for special topics. For example, the Cyanobacteria Subcommittee works on the critical issue of toxic algae bloom prevention, public education, testing collaboration, and regional communication from the LBOH. Service to the towns through the C&I HAC utilizes the latest data, regulatory changes and updates, strategic planning, and program implementation that helps facilitate a wide variety of individual and regional public health crisis response resources.

Grant funding from CDC also helps to fund public health emergency plans, which are updated, maintained, and exercised with the assistance of the Department's contracted public health nurse planners. The staff works together on a variety of subjects to assist the C&I HAC with meeting and exceeding the CDC and state health department-mandated goals established in each budget period. Coalition meetings/workshops are open to the public and routinely attended by a wide variety of public health partners such as public health nurses, healthcare liaisons, non-profit service groups, emergency response agencies/municipalities, and environmental health practitioners.

#### Laboratory Safety Management Program

With oversight and guidance from Amy L. Alati, Laboratory Safety Officer, the BCDHE Water Quality Laboratory continues to maintain the highest standard of OSHA, MIIA, and in-house safety protocol compliance. The Laboratory Safety Program continues to build a risk-based, management-led, evaluation-driven safety management system (SMS) for this important regional service facility. Laboratory safety evaluations consist of solution-driven collaborations among chemists, administrative staff, management, Barnstable County Facilities, and the Barnstable Fire Department.

The lab's safety committee continues to meet remotely and in person to proactively learn about a variety of new safety issues and participate in mandatory training. Top-down management support continues to be a cornerstone of the lab's Safety Management System (SMS) evolution and success. The Laboratory's SMS has also empowered a reduction and in some cases elimination, of worker health and safety risks and workplace hazards in the laboratory. This maintains critical employee protections and liability prevention. The County also benefits from this mandatory program in terms of thousands of dollars in cost savings, for example, the lab received 100% grant funding from MIIA to install new flammable chemical storage lockers and emergency lighting in the Water Quality Laboratory building in the spring of 2022.

The lab staff continues to enthusiastically engage in safety in Plans, such as evacuation, shelter-in-place, and fire extinguisher training.



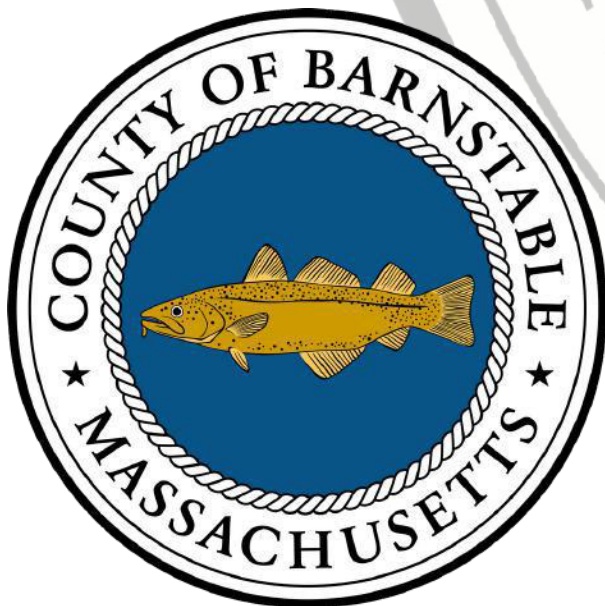
To maintain their environmental compliance obligations, the lab follows all applicable EPA, state, local, OSHA and NFPA standards.

By organizing the numerous compliance initiatives in a specific health and safety planning portal, the Water Quality Laboratory continues to be an efficient operation focused on risk reduction, loss prevention in terms of worker accident/injury/disability avoidance, safe engineering and preservation of lab equipment and the prevention of environmental degradation through proper waste disposal. This translates into a cost savings for BCDHE in terms of reduced Workman's Compensation claims, OSHA/EPA regulatory liability and insurance premium costs.



*Laboratory employee learns how to properly use a fire extinguisher under the direction of Barnstable Fire Department staff.*

# Report of the DEPARTMENT OF HUMAN SERVICES



# DEPARTMENT OF HUMAN SERVICES

3195 Main Street

P.O. Box 427

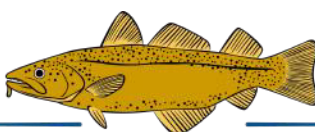
Barnstable, MA 02630

508-375-6628

[www.bchumanservices.org](http://www.bchumanservices.org)

## REPORT OF DEPARTMENT OF HUMAN SERVICES

*For the Period July 1, 2021 and ending June 30, 2022*



# BARNSTABLE COUNTY

DEPARTMENT OF HUMAN SERVICES

### ADMINISTRATION

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#### Renie Hamman, HOME Program Manager

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#### Stacie Holmes, Administrative Assistant

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#### Kate Lena, Substance Use Program Manager

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#### William Redmond, SHINE Project Specialist

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#### Mandi Speakman, Deputy Director/Senior Project Manager

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#### Martha Taylor, HMIS Program Manager

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### OVERVIEW

The mission of the Department of Human Service is to plan, develop, and implement programs that enhance the overall delivery of human services in Barnstable County and promote



the health and social well-being of County residents through regional efforts that improve the coordination of services.

The department has a history of organizing regional approaches that promote health and wellness for underserved populations by mobilizing a community response to needs identified through community-based research and evaluation. The department's primary role is to provide opportunities for the exchange of information and encourage growth/improvements in the focus areas identified in the Department's Human Service Plan. A full copy of the plan can be found at [www.bchumanservices.net](http://www.bchumanservices.net).





FY'22

# DEPARTMENT OF HUMAN SERVICES

Over the last year, the Department has undergone staffing changes. The Department began the fiscal year by welcoming its new Director, Joseph Pacheco. September brought the department a new Substance Use Program Manager in Kate Lena, and the Department's longtime Deputy Director, Vaira Harik, was promoted to Assistant County Administrator. Assistant Administrator Harik is recognized as being integral to the success of the Department and for her work during the COVID-19 pandemic. The Department congratulates her on a well-earned promotion. In November Mandi Speakman joined the Department as its new Deputy Director. In May the department welcomed Stacie Holmes as the new Administrative Assistant.

## HEALTHY CONNECTED CAPE COD

Healthy Connected Cape Cod is the conceptual framework that ties together the work of the Department. The principal aim is to facilitate connectedness by engaging residents, health and human service organizations, and coalitions and networks throughout Cape Cod in collaboration to plan and implement activities that promote health and well-being through community engagement and social connections.

The underpinnings of the Healthy Connected Cape Cod conceptual framework are to strengthen individual, family, and community wellness with community-based health promotion and disease prevention focus; identify focus areas based on local qualitative and quantitative data regarding assets and needs; implement evidence-based activities and practices that resonate with community members; implement activities that are culturally appropriate and accessible to people with disabilities.

## HEALTH AND HUMAN SERVICES ADVISORY COUNCIL

In 2003, pursuant to an Ordinance proposed by the County Commissioners and adopted by the Assembly of Delegates, the Department convened an advisory group made up of representatives of numerous County health and human services consortia and networks. The Barnstable County Health and Human Services Advisory Council (HHSAC), in conjunction with the Barnstable County Department of Human Services, is responsible for providing advice concerning the human service needs of Barnstable County to County elected officials and administrators.

In order to achieve broad representation on the Advisory Council, representatives from County-wide associations and collaborative networks, working groups, and task forces are appointed by the County Commissioners in the areas of healthcare services and human services. A full listing of appointed representatives to the Advisory Council can be found at [www.bchumanservices.net](http://www.bchumanservices.net).

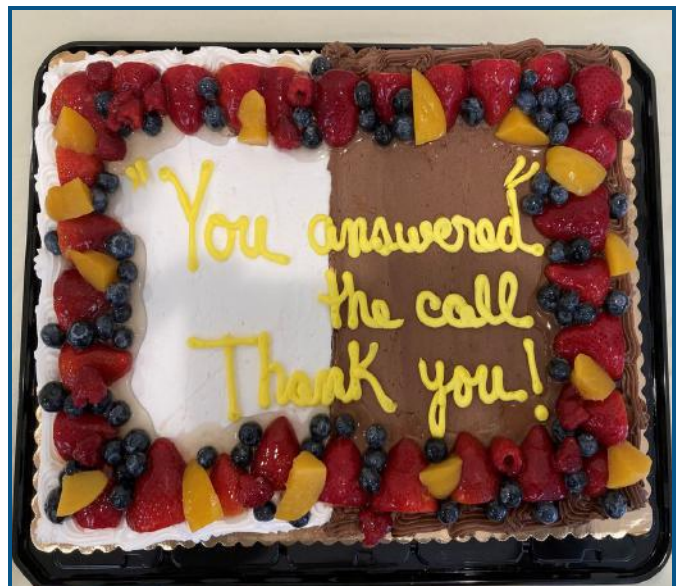
Through the COVID-19 Pandemic, the Advisory Council utilized modifications to the Open Meeting Law allowing successful remote participation of its members. This ensured the Council's important discussions continued uninterrupted through the pandemic.



## SHINE

The department administers the regional SHINE Program for Barnstable County. SHINE (Serving the Health Insurance Needs of Everyone) is a state health insurance assistance program that provides free health insurance information, counseling, and assistance to Massachusetts residents with Medicare and their caregivers. In FY22, 63 highly trained SHINE counselors, 50 of them volunteers, provided free Medicare enrollment services to over 6,000 residents through a hybrid delivery of telephonic and in-person counseling. SHINE partners with the 15 towns in Barnstable County. Ten new SHINE counselors were trained in the spring of 2022.

In FY22, the Regional SHINE program staff engaged in outreach activities reaching residents from each town on Cape Cod. SHINE staff held both in-person and virtual presentations and reached 680 participants through 11 events. With no health fairs held, 224 articles were published through COA newsletters and local media outlets.





## HEALTHY AGING ON CAPE COD

Healthy Aging Cape Cod (HACC) is a collaborative effort among organizations serving older adults in Barnstable County (Cape Cod) to align existing services to better enable residents to age in place successfully. Prior to the disruptions caused by the COVID-19 pandemic, work on HACC initiatives was guided by the HACC Steering Committee. The HACC Steering Committee reconvened in March 2022 for the first time since March 2020, at which time the committee was introduced to new Department staff, new committee members representing member agencies were oriented and an update on HACC activities was given, as follows.

In 2017 Barnstable County Department of Human Services (BCDHS), with its fiscal agent the Cape Cod Foundation and as part of the Healthy Aging Cape Cod initiative, received a grant from Point32Health Foundation (formerly the Tufts Health Plan Foundation) to complete comprehensive age and dementia friendly assessments for each of the 15 towns and for the entirety of the region. The grant period was from July 2018 to June 2020. The COVID pandemic arrived in mid-March of 2020 just as the last town healthy aging assessment was completed and work was beginning on a regional age- and dementia-friendly assessment.

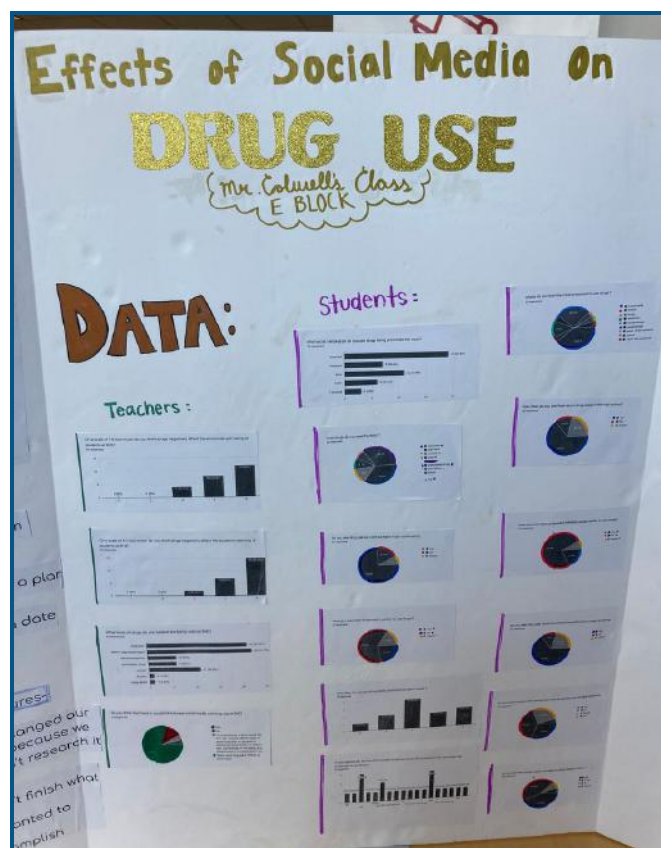
Point32Health Foundation generously approved several no-cost extensions and a revised deliverable in light of the significant disruption caused by the worldwide COVID-19 pandemic.

Since March 2020 the region and its service organizations have risen to the challenge of responding to the needs of our communities. There is much to be learned from this pandemic experience that will inform responses to similar community-wide emergent events in the future. Within the National Incident Management System, there are established processes to review responses to emergency events called "hot washing".

In June and July 2022, the Assistant County Administrator, the Department's Deputy Director, and a contracted Crisis Leadership consultant led a series of hot wash forums and key stakeholder interviews to investigate the region's pandemic response. The participant feedback and evaluation used to create an After-Action Report/Recommendation Plan (AAR/RP) was garnered from 63 participants representing 28 organizations. The final AAR/IP report reflects upon the experiences, observations, and information shared by those directly involved in serving the older adult population throughout the pandemic. Further analysis of lessons learned will provide the opportunity to collectively improve future service provision regionally, which will inform the work of HACC going forward. The full text of the After-Action Report/Improvement Plan can be found at <https://www.capecod.gov/departments/human-services/initiatives/aging-well-healthy-living/>.

## BEHAVIORAL HEALTH

## REGIONAL SUBSTANCE ADDICTION COUNCIL (RSAC)



In 2014 the department founded and continues to convene the Barnstable County Regional Substance Addiction Council (RSAC) comprised of town and community leaders from across Barnstable County. Department staff supported the Council's work in FY22 by updating the Governance Document, the voting membership, and the Work Groups. As of the end of the fiscal year, all four Work Groups designated co-chairs and were operating with regularly scheduled meetings.

The purpose of the RSAC is to:

- Establish a communication infrastructure across towns, providers, organizations, and individuals on Cape Cod.
- Coordinate across the region in order to be better aligned and prepared for grants and funding opportunities.
- Collaborate with the BCDHS to conduct regular assessments of substance use on Cape Cod.
- As needed, coordinate regional efforts and provide information to towns within Barnstable County on new endeavors, for example, the Opioid Recovery and Remediation Funds.
- Identify needs and address gaps and disparities in the service system.
- Maximize interagency collaboration.
- Maximize funding and resource opportunities.



FY'22

# DEPARTMENT OF HUMAN SERVICES

In 2014, the department conducted an Analysis of Substance Abuse on Cape Cod: A Baseline Assessment with an Action Plan for the period 2015-2020. The Analysis provides a snapshot of substance dependency and its related costs for Barnstable County. This informed the Action Plan, which set forth the Council's approach to addressing substance use disorders on Cape Cod via workgroups that focus on prevention, harm reduction, treatment, and recovery initiatives. The department acknowledged the benefits of regular assessment and therefore decided to conduct an update in the Fall of 2022. An emphasis will be placed on collecting the feedback of those directly impacted by substance use and addiction. A new Action Plan will be developed from the results of this updated Assessment, targeting 2023-2028 with the flexibility to update as community needs arise.

In FY22 the Department managed two substance use grants from the Massachusetts Department of Public Health (MDPH):

- MassCall3 Part B (MC3): Barnstable County Human Services (BCHS) was granted Part B of the MASSCall3 grant from the Massachusetts Department of Public Health (MDPH) with a grant start date of July 1, 2021. The MASSCall3 grant combines aspects of two previous MDPH prevention-related grants and is federally funded by the Substance Abuse and Mental Health Services Administration (SAMHSA). Under the services described here, communities will be able to build capacity, develop a strategic plan to implement existing evidence-based strategies or design innovative approaches that adhere to SAMHSA's Strategic Prevention Framework (SPF). Part B of the MC3 grant is intended for communities with existing capacity, infrastructure, and experience implementing a set of systematic and evidence-based prevention programs. The aim is to utilize the infrastructure, systems, and partnerships already in place to support programming with the goal of preventing misuse of substances of first use among youth. Under the MC3 Grant, BCDHS will conduct the updated Assessment on Substance Use on Cape Cod. This will inform the implementation phase of the grant in the coming years.

- Overdose Data to Action (OD2A): The purpose of OD2A is to use data to inform action. In FY22, the department continued support of the Duffy/Town of Dennis Recovery Support Navigator Program. This program provides the services of a Recovery Support Navigator from Duffy Health Center who provides support to people in early recovery. The pilot serves the Town of Dennis and referrals are made to the program by the Town of Dennis Police Department. A second pilot project supported through OD2A funds the WellStrong Peer Wellness Coach (PWC) program.

Certified Recovery Coaches with additional wellness training work with clients over 3-6 months to provide mentorship, help identifying recovery and wellness strengths, weaknesses, and interests to create individualized health goals, peer-based support and accountability, navigation to helpful recovery resources, and help establishing health coping skills for life in recovery. OD2A grant funds also support the evaluation of the WellStrong Peer Wellness Coach Program and the Recovery Support Navigator Pilot Program.

On July 21, 2021, Massachusetts Attorney General Maura Healey announced a \$26 billion settlement with opioid distributors which will provide more than \$500 million to the Commonwealth and its cities and towns for prevention, harm reduction, treatment, and recovery. This settlement holds accountable several corporations that flooded Massachusetts with dangerous opioids and brings desperately needed relief to people who are struggling with substance use disorder. Municipalities signed on to the settlement agreement will each receive a portion of the settlement funds directly over the next seventeen years. BCDHS staff have been collecting feedback from community stakeholders on community needs which will inform recommendations to the towns on the use of these funds.

## MY CHOICE MATTERS CAMPAIGN

In FY22 the My Choice Matters campaign continued. Several years ago, the department created and mobilized a highly successful county-wide public education campaign, My Choice Matters, to prevent substance use and reduce the social stigma surrounding it. The campaign utilizes a social-norm framework which is an effective evidenced based method of messaging that promotes health and changes behavior.

The campaign has utilized multiple strategies to target its message:

- Website – [www.mychoicematters.net](http://www.mychoicematters.net)
- Social media
- Print
- Radio
- Video



## CHILDREN'S BEHAVIORAL HEALTH WORK GROUP

Convened in 2019, a group of stakeholders, local behavioral health providers, agencies, and advocates gathered to identify barriers to children receiving behavioral health services in Barnstable County. The Children's Behavioral Health Work Group (CBHWG) has grown to include over 35 local and state Human Services agencies, and other stakeholders. In January 2020 the Barnstable County Children's Behavioral Health Work Group released its Recommendations and Action Plan, which can be found on the department's website.

This is a living document that is periodically adapted to reflect the region's changing needs. Subcommittees have addressed issues related to clinician licensure, regulatory issues, and student loan forgiveness. The CBHWG continues to provide support for some of the highest priority issues including the provision of mental health services within schools and addressing the Behavioral Health Care workforce crisis. The group's work continued in FY 22, with a plan and scope of work developed to perform the region's first Baseline Needs Assessment for Behavioral Health Services for children ages 0-21, building upon a 2019 System Scan and evaluating our current Behavioral Health needs which have been escalated by the COVID pandemic. The plan's completion will provide the Department with specific and foundational data to strategically guide the Department's current and future initiatives.

## HOMELESSNESS & AFFORDABLE HOUSING

### REGIONAL NETWORK ON HOMELESSNESS

The Department is the convening agency for the Cape and Islands Regional Network on Homelessness. The department's director is a member of the Executive Committee and Policy Board and the department's Continuum of Care and HMIS Program Managers provide administrative support to the Network. In FY22, the Department supported the continuing regional response to the pandemic by leading community efforts to coordinate services and resources for those facing housing instability and/or lacking other basic needs including emergency housing during inclement weather.

The board's priority areas for FY22 were 1) endeavor to complete and implement a strategic plan to address YYA housing instability by March 2023; 2) endeavor to provide three Older Adult Homelessness and Housing Instability education/training opportunities by March 2023; 3) endeavor to secure resources and services needed for a Coordinated Winter/Emergency Housing Response by identifying and addressing barriers and ensuring the regional capacity to effectively respond to funding opportunities by March 2023; 4) Undergirding Focus Areas inclusive of employment, engagement with Martha's Vineyard and Nantucket, and Data Quality and Information Sharing.

### CONTINUUM OF CARE

The Department is the Collaborative Applicant for the Cape and Islands Continuum of Care (CoC) and is responsible for developing the annual application for CoC funding. In the PY2021 competition, the Cape and Islands CoC was awarded over \$2 million dollars to support permanent supportive housing for chronically homeless, and disabled households. Of note, the CoC's first Domestic Violence project was awarded funding to support two transitional housing beds and six permanent supportive housing beds for individuals and families who are homeless due to fleeing domestic violence. Additionally, one permanent supportive housing program for chronically homeless adult individuals was awarded an expansion grant to add four new beds to the project.

## YOUTH AND YOUNG ADULT HOMELESSNESS

The Department is the grantee for the Massachusetts Executive Office of Health and Human Services Unaccompanied Homeless Youth and Young Adult (YYA) grant. The maximum obligation for this grant increased by \$50,000 during this fiscal year to \$542,814. The sub-grantees for this program provided services and resources to 107 YYA during FY22. Additionally, 36 YYA secured stable housing with the assistance of sub-grantees, which was the highest percentage of the 10 regions across the state.

Additionally, in FY22, the Department worked with Matthew Aronson Consulting (MAC) to complete a Community Needs Assessment Update and develop regional Prioritized Strategies to guide the efforts to address and end YYA homelessness on the Cape and Islands during FY23. The Department also worked with MAC to submit an application to HUD for the Youth Homelessness Demonstration Program, which could bring additional funding into the region.

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### HOMELESS MANAGEMENT INFORMATION SYSTEM

The department is the Homeless Management Information System (HMIS) lead for the Cape Cod and Islands HUD-funded Continuum of Care (CoC) programs. HMIS serves as a regional repository for data related to programs and services accessed by homeless individuals and families and those at risk of becoming homeless on Cape Cod and the Islands. Other key responsibilities include the following:





FY'22

- Serving as System Administrator for HMIS
- Managing a Coordinated Entry System (CES) to access the CoC programs
- Providing training and technical assistance to HMIS users
- Updating the HMIS Policies and Procedures Manual
- Developing an HMIS User Resource Library
- Participating in the Governance Committee of the Rehousing Data Collective (RDC), the statewide homeless data warehouse
- Monitoring grantees
- Supporting the annual Point in Time (PIT) homeless count
- Participating in the CoC Collaborative application for the annual U.S. Department of Housing and Urban Development (HUD) Notice of Funding Opportunity (NOFO) Competition
- Submitting required annual reports to HUD: PIT Count Report, Housing Inventory Count (HIC) Report, System Performance Measures (SPM), Longitudinal System Analysis (LSA), Annual Performance Report (APR)
- Undertaking ad hoc data analysis and reporting for the department, the CoC, the Regional Network on Homelessness, and collaborative community partners
- Conducting environmental reviews

Environmental reviews, which are mandated by the US Department of Housing and Urban Development (HUD) for all federally funded housing programs, are conducted for every unit rented or leased by CoC Grantees for program participants. These reviews ensure that units are not located in areas where they would be subject to flooding, where they would intersect with or encroach on Coastal Barrier Resource Systems, where they would have adverse effects upon the environment, or where residents would be subject to toxic elements (such as air or noise pollution, contaminated water, etc.).

Reporting highlights include:

- Analysis of Racial Equity in the Homeless Services System
- Analysis of Veterans Accessing Homeless Services on the Cape and Islands
- Analysis of utilization of Winter Emergency Shelter Services

Following the procurement of a new HMIS software product (Servicepoint) from the WellSky company, the system was fully implemented as of January 1, 2022. The increased capacity of the system enables more robust data collection, compilation, and evaluation and allows for a new structure of data sharing across participating agencies.



## HOME INVESTMENT PARTNERSHIP PROGRAM

The Department of Human Services administers the HOME Investment Partnership Program (HOME), a federal block grant to state and local governments designed exclusively to create affordable housing for low-income households. HOME funds a range of activities for the creation of affordable housing opportunities. The Barnstable County HOME Consortium (BC HOME), comprised of the 15 towns in Barnstable County, is a Participating Jurisdiction to receive and disburse HOME funds. The Department acts as the BC HOME program's lead agent, responsible to HUD for all administrative functions related to its operation.

BC HOME's primary focus activity was the production of restricted affordable rental housing developments. For FY22, BC HOME provided grant funding for the following affordable rental housing developments: Terrapin Ridge, Sandwich – 30 units (\$250,000); Yarmouth Gardens, Yarmouth – 40 units (\$350,000), and Brewster.

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# Yarmouth Gardens, Yarmouth

40-unit affordable rental project awarded \$350,000 in BC HOME funds

## HOME-ARP PROGRAM

The American Rescue Plan Act of 2021 (ARPA) made funds available for housing, services, and shelter to individuals experiencing homelessness or at risk of homelessness and other vulnerable populations through housing, rental assistance, supportive services, and non-congregate shelter. The U.S. Department of Housing and Urban Development (HUD) is allocating these funds by formula to participating jurisdictions in the HOME Investment Partnerships Program (HOME Program), including the Barnstable County HOME Consortium (BC HOME). In September 2021, HUD awarded BC HOME \$1,556,508 in HOME-ARP funds and issued regulations and guidance for the HOME-ARP Program including a requirement that participating jurisdictions develop an Allocation Plan for the use of HOME-ARP funds. The main purpose of the Allocation Plan is to engage in significant community and stakeholder outreach to gather data and prepare a needs assessment and gap analysis. This gap analysis will guide BC HOME's implementation of the HOME-ARP Program and the selection of activities for HOME-ARP funding.

On June 1, 2022, Barnstable County Human Services issued a Request for Proposals (RFP) and selected Barrett Planning Group, LLC to develop the HOME-ARP Allocation Plan in collaboration with the Department.

## INFORMATION SERVICES

### DATA, RESEARCH, AND EVALUATION

In FY22 the Department processed numerous data requests from community partners including information and analysis on homelessness, emergency planning, winter response, substance use, and affordable housing.

## ONLINE RESOURCES

The Department's flagship website [www.bchumanservices.net](http://www.bchumanservices.net) is the central access point to comprehensive online resources for local health and human services issues. The website provides fact sheets, educational materials, and local research publications related to the Department's initiatives. The Department's website is home to the latest e-newsletters with sign-up and article submission information, and access to [www.mychoicematters.net](http://www.mychoicematters.net).

The Department supports a companion public health website that offers a medical library of peer-reviewed material, community health indicator data, evidence-based model programs, current legislation, related news, and a robust Health and Human Services Directory "Network of Care" listing hundreds of local agencies. In FY22 there were a total of 47,660 visits to the site averaging 130 visits per day and 81,388 total page views.

Complimenting the website, the Department began actively utilizing a full complement of social media platforms to broaden our reach and increase engagement with the community. Follow the Department through the following social media channels: Twitter @HumanServicesBC • Instagram bchumanservices • Facebook @healthyconnectedcapecod.

## E-NEWSLETTERS

The Human Services e-newsletter provides a wide range of information through the publication of a monthly e-newsletter to over 2,200 individuals and agencies. The e-newsletter informs the health and human services community of upcoming events, training, grant opportunities, resources, and opportunities for capacity building.



FY'22

The Regional Substance Use Council monthly e-newsletter provides information on substance use across the continuum of prevention, intervention, treatment, and recovery to over 1,000 individuals and agencies.

#### HEALTH AND HUMAN SERVICES COLLABORATION

The Department of Human Services staff provides leadership and support to regional groups and coalitions including the Barnstable County Children's Behavioral Health Work Group, Barnstable County Health & Human Services Advisory Council, Barnstable County Regional Substance Use Council, HOME Advisory Council, Cape and Islands Regional Network on Homelessness, and Healthy Aging Cape Cod.

#### CONCLUSION

In support of our mission, in FY 22 the Department managed over \$4.1 million dollars in grants from a variety of state and federal sources to support the following regional programs: SHINE, HOME, Continuum of Care, Healthy Aging Cape Cod, and Substance Use Prevention.

Barnstable County Department of Human Services plays an important role in facilitating communication, fostering collaboration, planning, coordination, capacity building, and resource development to improve health outcomes for the residents of Barnstable County.

Respectfully submitted,

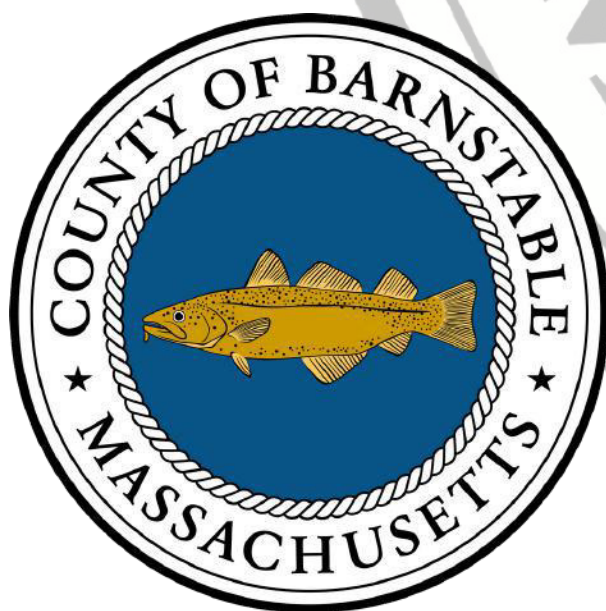
*Joseph R. Pacheco*

Director

Report of the

# CHILDREN'S COVE: THE CAPE & ISLANDS CHILD ADVOCACY CENTER

CHILDREN'S COVE





# CHILDREN'S COVE: THE CAPE & ISLANDS CHILD ADVOCACY CENTER

P.O. Box 427

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508-375-0410 | Fax: 508-375-0409

[www.childrencove.org](http://www.childrencove.org)

## REPORT OF CHILDREN'S COVE

*For the Period July 1, 2021 and ending June 30, 2022*



### ADMINISTRATION

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**Alexandra Foley, Child Exploitation Program Coordinator** [Alexandra.Foley@childrencove.org](mailto:Alexandra.Foley@childrencove.org)

**Lauren Journet, Multidisciplinary Team Coordinator** [Lauren.Journet@childrencove.org](mailto:Lauren.Journet@childrencove.org)

**Kristine Monteiro, Mental Health Coordinator** [Kristine.Monteiro@childrencove.org](mailto:Kristine.Monteiro@childrencove.org)

**Sayard Ryan, Pediatric Sexual Assault Nurse Practitioner**  
(employed through the MA Department of Public Health's Pediatric Sexual Assault Nurse Examiner (SANE) Program) [sayard.ryan@childrencove.org](mailto:sayard.ryan@childrencove.org)

**Jacob Stapledon, Community Engagement and Outreach Coordinator** [Jacob.stapledon@childrencove.org](mailto:Jacob.stapledon@childrencove.org)

Children's Cove is a unique collaborative effort between partner agencies including Barnstable County, the Cape and Islands District Attorney's Office, MA Department of Children and Families, the MA Department of Mental Health, and Cape Cod Healthcare. We are one of twelve Child Advocacy Centers (CAC) in Massachusetts and over 950 nationally. We offer a safe, welcoming place for children to go if there is a concern that they have been sexually abused, severely physically abused, been witness to domestic violence, sexually exploited, or victims of human trafficking. We bring together all the professionals in the field who have made it their life's work to help. We treat each child with respect, care, and compassion and make it possible for the trauma to stop and the healing to begin.

Children's Cove has proven for over the last twenty-five years that taking a regional approach to helping vulnerable, abused children brings the best out in every agency involved in the recovery of the victim and the prosecution of the offender. As pioneers of a groundbreaking collaborative regional approach, Children's Cove has gained statewide and national attention as a model organization with programs that have been replicated on a broader scale.

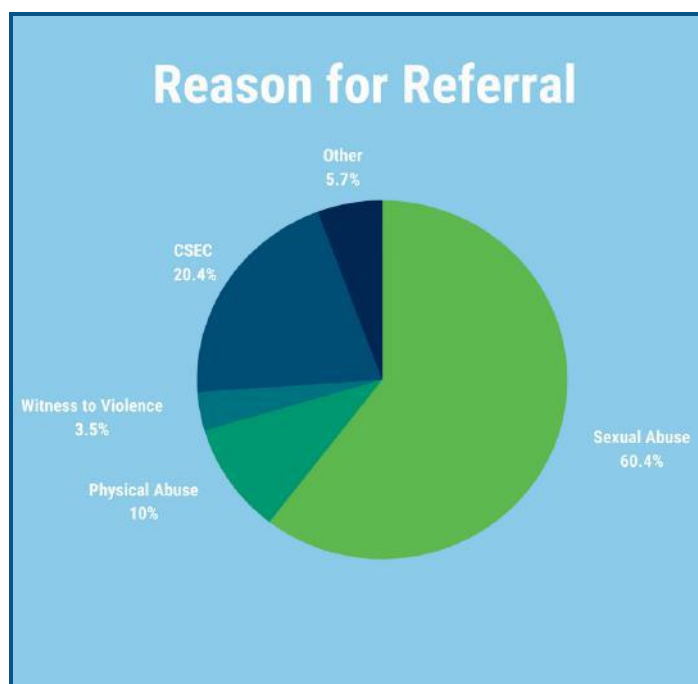
Children's Cove is a fully operational and accredited Child Advocacy Center with the National Children's Alliance in Washington DC whose components include the Sexual Abuse Intervention Network (SAIN) Team, (the investigatory program); the medical exam, with a Sexual Assault Nurse Examiner (SANE) which utilizes a state-of-the-art technology to utilize evidentiary images in court proceedings; case tracking and team review; family advocacy; specialized therapeutic referrals; case coordination, and education and training.

Children's Cove serves the same jurisdictional zones at the District Attorney's Office for the Cape & Islands, as well as the Department of Children and Families. This includes the fifteen towns of Cape Cod, the six towns on Martha's Vineyard, and Nantucket. Children's Cove works collaboratively with each police department in these areas and the Massachusetts State Police. Children's Cove provides forensic interviews and support services if the abuse is thought to have occurred within the jurisdictional area of Cape Cod and the Islands of Martha's Vineyard and Nantucket. The alleged victim may be from the age of two years old to the age of seventeen years old or older depending on cognitive and developmental ability.

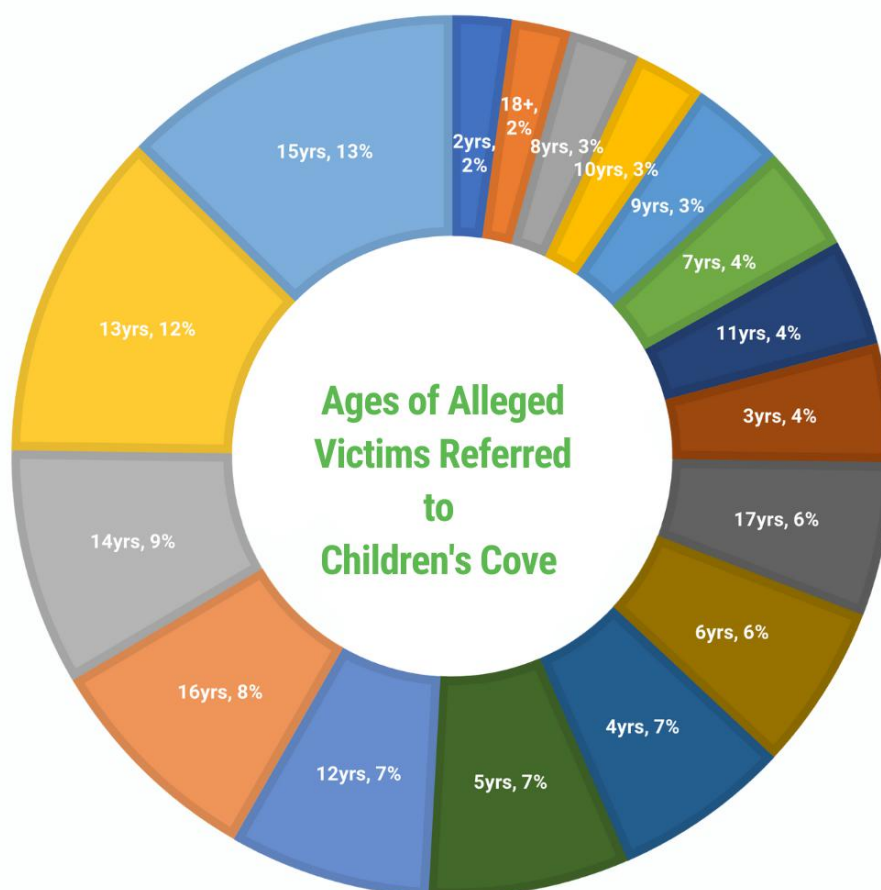


## 2022 REPORT

During the twelve-month period of July 1, 2021 – June 30, 2022, 230 individuals were referred for services, and 167 children were provided with forensic interviews at Children's Cove. This is a 48% increase in referrals with a 50% increase in forensic interviews as compared to FY2021.



Children's Cove saw a case distribution of 165 referrals for female-identified individuals and 65 male-identified individuals. For each of these referrals, there were specific referrals for 23 individuals over concerns of physical abuse, 139 individuals for concerns of sexual abuse, 8 individuals for concerns of witnessing domestic violence, 47 individuals for concerns of sexual exploitation, and 13 for other concerns including neglect, and problematic sexual behavior. In specific cases, such as for suspected cases of Commercial Sexual Exploitation of Children (CSEC) across the Cape and the Islands, Children's Cove coordinates multidisciplinary response meetings in absence of a forensic interview. This includes cases where children may be victims of human trafficking, online exploitation by child sexual abuse material, or sextortion, but may not be ready to engage in the forensic interview process. During the reporting period, our Child Exploitation Program Coordinator held 41 multidisciplinary response meetings involving 40 children regarding risks and concerns for potential exploitation. This included 9 male-identified children and 32 female-identified children. These numbers remained consistent from the previous reporting period.



## VICTIM SERVICES

The Forensic interview is the best-practice approach to interviews with children who have been victims of crime. It is also only a portion of the services Children's Cove provide, as not every child referred is ready for the interview process. Our team works to ensure that child victims and those at risk have access to high-quality, free, and supportive services to support the healing process. Of the 167 individuals referred for forensic interviews, 119 identified as female, and 48 identified as male.

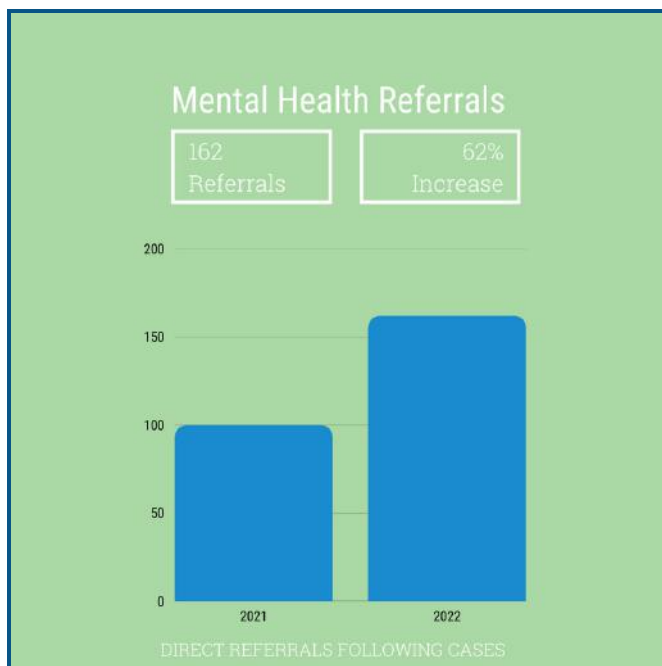


In addition to the forensic interview process, we work collaboratively with the MA Department of Public Health and have a Pediatric Sexual Assault Nurse Practitioner and a medical suite on-site to provide comprehensive, compassionate care to child victims and their families. All children referred to the Children's Cove are offered timely, non-invasive, medical examinations with the consent of their parents at no cost. These exams are provided by the PediSANE Nurse Practitioner on-site in the medical suite. For most of the reporting period, Children's Cove did not have a PediSANE Nurse Practitioner positioned on-site following the retirement of the previous Nurse Practitioner. The MA PediSANE offered coverage during this time. In 2022, Sayard Ryan, FNP, a new PediSANE Nurse Practitioner was hired. Medical examinations were provided for 31 individuals during the reporting period which is a 44% decrease from FY21 (attributed to a lack of on-site staff). Our PediSANE Nurse Practitioner also provided medical consultation to numerous other individuals as well as education and coordination with local pediatricians.

Additionally, Children's Cove provides ongoing follow-up and advocacy for the children and families served and assists in the connection to meaningful activities and supports. Our Family Services Coordinator works with the family to identify needs and community resources and helps the family navigate any systems as part of the investigation in a non-stigmatizing and confidential way.

## MENTAL HEALTH

Children's Cove Mental Health Program utilizes a Mental Health Coordinator on staff to refer children and families to appropriate, trauma-informed providers throughout the Cape and Islands to provide these much-needed services. The Trauma-Informed Provider Network (TIP Network) is comprised of Cape and Islands therapists who have agreements with Children's Cove to provide specialized clinical services. Children's Cove, in turn, provides ongoing training, learning collaborative workshops, and referrals to these selected providers. During the reporting period, our Mental Health Coordinator made 162 clinical referrals to clinical providers in the community for children and non-offending family members.



## COMMUNITY ENGAGEMENT AND EDUCATION

To realize the vision of the organization in creating a community where children are free of abuse and enjoy healthy, safe, and empowered lives, Children's Cove strives to raise critical awareness across the community. A multifaceted approach is used to educate the community on issues surrounding child abuse across the spectrum of child-serving agencies, parents and caregivers and community child protection professionals, and multidisciplinary team members. Children's Cove utilizes a variety of awareness campaigns, including radio ads, news articles, social media, and public service announcements as part of its outreach to the community regarding child sexual abuse, and provides professional training and parent education. Collaborations with organizations such as Cape Cod Children's Place, Big Brothers Big Sisters Cape Cod, The Boys and Girls Club on Martha's Vineyard, Nantucket, Cape Cod, as well as the YMCA of Cape Cod and Martha's Vineyard have been critical to bringing education to parents and teens.

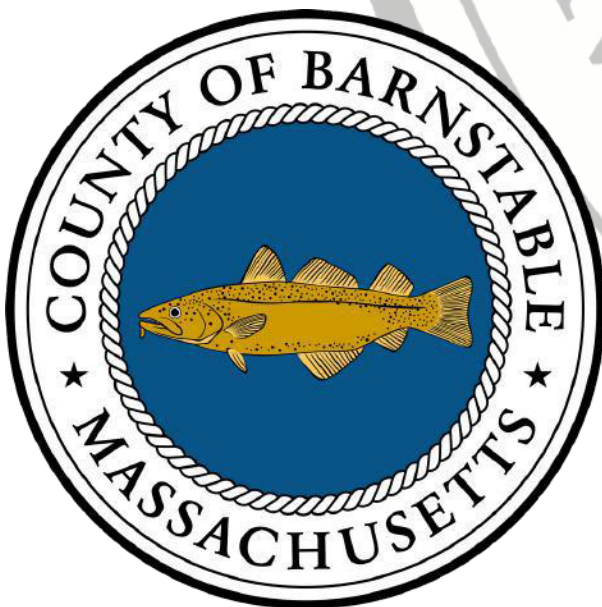
Children's Cove has continued to use a statewide education curriculum developed in partnership with the Massachusetts Children's Alliance (MACA), statewide Child Advocacy Centers, the Department of Children and Families, and contributors from prosecutors, medical professionals, and mental health professionals. This curriculum was developed to provide an evidence-based, best-practice approach to recognizing and responding to child abuse. After a hiatus due to the Covid-19 pandemic, Children's Cove again offered its Champions for Children Conference in October of 2021, offering innovative multidisciplinary workshops presented by many nationally recognized experts in the field of child abuse. Over the reporting period, professional training, community prevention, and parent education workshops were provided to more than 1,200 individuals across the Cape and Islands representing more than 75 different agencies and organizations.

In addition to direct outreach and training, Children's Cove has focused efforts on online accessible content to provide education, awareness, and resources to parents and teens across our community. With a significant concern of sexual exploitation on the rise in our community, an awareness video and resource page were developed for parents and teens on our website. This video also combined with a digital advertising campaign to raise awareness and increase the prevention of the online sexual exploitation of children. The video, "In Real Life," and the accompanying digital campaign has successfully been viewed more than 340,000 times in English, Spanish and Brazilian Portuguese.





# Report of the CAPE COD COOPERATIVE EXTENSION







FY'22

# CAPE COD COOPERATIVE EXTENSION

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[www.loveyourlocalwater.org](http://www.loveyourlocalwater.org)

## REPORT OF THE CAPE COD COOPERATIVE EXTENSION

*For the Period July 1, 2021 and ending June 30, 2022*

### ABOUT THE CAPE COD COOPERATIVE EXTENSION

Cape Cod Cooperative Extension was established in Barnstable County in 1916. Extension's educational programs focus on agriculture, marine resources, horticulture, aquaculture, shellfish management, natural resources, tickborne disease, water quality, recycling, household hazardous waste, nutrition, food safety, youth development, and environmental education. The mission of Cape Cod Cooperative Extension is to improve the health, well-being, and security of youth, families, and communities; conserve and enhance natural resources; and strengthen agriculture and food systems. We fulfill our mission by utilizing the research and teaching capacity of the University of Massachusetts Amherst and Woods Hole Oceanographic Institution Sea Grant program to generate and communicate knowledge while creating approaches, methods, and tools for solving problems. Extension links the Massachusetts land grant university with a larger community of people in collaborative partnerships to address issues of fundamental importance to the people of Barnstable County.

### *An Act of Congress formed Cooperative*

Extension nationally in 1914 as a three-way partnership. The three partners were the land-grant university in each state (such as UMass Amherst in Massachusetts), the federal government (through the United States Department of Agriculture), and the local government (through Barnstable County). Through the use of workshops, conferences, field demonstrations, technical assistance, radio, television, the Internet, and more, Extension brings objective, research-based and credible information people can use every day to improve their lives.

### ADMINISTRATION

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CAPE COD COOPERATIVE EXTENSION



#### 4-H PROGRAM

The Barnstable County 4-H program continued efforts to re-invigorate and re-build pursuing the mission of Massachusetts 4-H to prepare youth to become independent and contributing members of society by providing them with the tools they need to be successful through a “learn by doing”, positive development model. The 4-H program is open to youth ages 5-18 throughout Massachusetts where they can grow, learn, and explore offerings through varied programs in robotics, foods, consumer science, career exploration, community service, photography, leadership, and animal science projects with the research-based curriculum. The program had a busy year as COVID restrictions were lifted, allowing the Barnstable County 4-H clubs and activities to resume an in-person structure.

Barnstable County 4-H Advisory Council and club leaders established a monthly meeting schedule to discuss opportunities to support a growing program. The Council awarded post-secondary scholarships to two worthy alumni, Jennifer Shearley and Foster Rubinstein as they pursue their chosen areas of study, Geography and Homeland Security and Emergency Management respectively. The Council supported the county and state-level programs in a variety of ways including the purchase of t-shirts for Barnstable County 4-H members and the Massachusetts 4-H Foundation, dedicated to the advancement of the Massachusetts 4-H program, with a hole sponsorship at the Annual Shirley Kane Memorial 4-H Golf Tournament. Club leaders participated in monthly meetings to network, share ideas, plan programs, and provide support to one another.

The program worked with Joint Base Cape Cod to involve military youth and families. Club leadership facilitated a “Valentines for Veterans” community service program where members donated original creations and messages of appreciation to Cape Cod veterans and active members on the base.



*Joint Base Cape Cod offered a STEM: 3-D printing class to the military youth.*

During April vacation youth from Barnstable, Bristol, Norfolk, and Plymouth counties gathered at Camp Farley to attend “Fun Day at Camp Farley”. The youth played Horse Bingo, engaged in an educational judging clinic to learn the process and challenges of judging, visited the barnyard to learn about a variety of livestock, and enjoyed making new friends.



*The 4-H Plant Science, Sunflower Seed Program was delivered to seven schools, grades 1-6 schools in Barnstable County providing sunflower seed packets and planting instructions to over 4000 students and curriculum to their teachers. Students were invited to share their grown sunflowers.*



*2022 Sunflower Seed Project Teacher Kits Ready for Delivery.*





Barnstable County Fair 2022 started with a dedicated crew of individuals who cleaned and prepared the Youth Exhibit Hall and Horse Barn for the fair. In addition, a community service event between Cape Cod Fairgrounds and Sturgis Charter school was facilitated which provided support to ready the grounds for opening. The Sturgis Charter School students' efforts included focusing on beautifying the Veteran's Garden. This year AmeriCorps and CARE for the Cape and Islands programs had a presence in the Youth Building. The AmeriCorps members provided groundwater education through a variety of activities while CARE shared information with the visiting public on the unique environment of Cape Cod and what can be done by all to develop a "joint ownership in creating an environment that remains pristine." Members of the Extension Nutrition staff provided a handwashing activity and a healthy snack and a canning display.



The 4-H members opened the Candy Corner Snack Shack offering a variety of candy, beverage, and snack items.



The Horse Barn was again a popular location for fairgoers as they were met with horses in the stalls and in the arena. There were enthusiastic youth and adults available throughout the week to answer questions and provide insight into horse ownership, care, and training.

The Barnstable County dog club, Muddy Paws collaborated again this year with the Plymouth County dog club, Round of A-Paws to offer the fair attendees an informative and engaging dog showcase. At the showcase the youth provided the public with an understanding of training techniques, animal care, as well as judging and showmanship skills demonstrations.

Barnstable County 4-H participated as a member of the Massachusetts 4-H Babysitting Committee developing and providing a statewide babysitting instructors' course to interested members of the communities across the state to obtain certification to deliver the 4-H Babysitting Course to youth. Numerous librarians across Cape Cod and a member of Joint Base Cape Cod staff obtained certification and several have offered courses.

On a statewide level, numerous members of Cape Cod Cooperative Extension participated in the Massachusetts 4-H Career Exploration Series open to all youth across Massachusetts, 4-H membership was not required for this program. Extension staff including Nutrition, Marine Science, Entomology, AmeriCorps, and the Coastal Processes, Flooding, and Erosion agents, who shared their career paths including the education obtained, challenges, and rewards. Attending youth peppered the presenters with thoughtful and insightful questions.



The program members look forward to harnessing the energy generated from the busy 2022 year to continue to offer a positive and expanded program in 2023.



FY'22

## FLOODPLAIN MANAGEMENT AND THE COMMUNITY RATING SYSTEM

All Barnstable County towns received technical assistance for basic floodplain management and the Community Rating System (CRS). 9 towns are in the CRS program and all completed annual reverification. 4 towns (Chatham, Wellfleet, Brewster, and Mashpee) completed 5-year audits in FY22. All 4 towns advanced a class, with Brewster achieving a 10% discount on flood insurance and the remaining three towns reaching a 15% discount. Bourne continued to work with the Federal Emergency Management Agency (FEMA) to pass the primary stage for eligibility for CRS participation. Dennis began the primary phase to earn approval from FEMA for CRS participation. Barnstable County communities in the CRS are currently saving 3,000 policyholders \$440,000 annually. Total savings since the creation of the program in 2015 are \$2.6 million.

Technical assistance was provided for floodplain management and resilience (building codes/floodplain regulations, flood insurance, flood maps, historic structures in floodplains, grants, etc.) 187 times for over 1,000 community officials, residents, businesses, and organizations. The floodplain program offered 3 training for 135 community officials and other professionals and provided 6.5 continuing education credits for Certified Building Officials and Certified Floodplain Managers®. Outreach was provided to 636 people in the form of 12 presentations and organized events for local elected officials and staff, businesses, and the public.



*Floodplain Development in Dennisport.*

Additional projects included assisting communities with reviewing and updating existing bylaws to meet basic National Flood Insurance Program requirements, storm tide pathways mapping for Nantucket Sound shorelines, a sea level rise visualization partnership with local schools, and acting staff to the Barnstable County Coastal Resources Subcommittee.

### MARINE PROGRAM

- Successfully leveraged funding from county and towns to support a seed bid program providing just over 11 million quahog seed, 800 bags of oyster remote set, and 2.5 million oyster seed to the towns of Barnstable County.
- Barnstable County's Cooperative Extension office remains the administrator of SEMAC (Southeastern MA Aquaculture Center), and Marine Program staff oversee and administrate its activities and programs. The Center is directed by a 13-member board of directors and received \$50K in support from the Massachusetts Department of Agricultural Resources in FY22 for direct industry assistance, including funding for disease monitoring and new telemetry systems for the relay of water quality data from important shellfish growing areas.

- With support from SEMAC and industry, the water quality monitoring program using the long-term deployment of instrumentation at 5 locations – Cotuit Bay, Barnstable Harbor, Duxbury Bay, Wellfleet Harbor, and Pleasant Bay in Orleans – was continued. In addition, SEMAC funding in FY22 allowed for the purchase of buoy systems capable of telemetry from remote monitoring sites in shellfish growing areas. This was on top of funding received in FY20 from a state grant program to purchase replacements for aging instrumentation and equipment and has proved essential in maintaining and expanding the long-term program.

- The nineteenth year of shellfish habitat assessment data was collected at 5 sites around the Cape providing baseline data for shellfish resource managers and industry members to compare against. This data was also shared with the local USDA FSA office to help establish baseline data to inform their disaster assistance products for shellfish aquaculture.

- Marine Program staff maintained a network of shellfish disease (veterinary disease) monitoring stations which included over 35 participating shellfish growers and 4 wild shellfish sites. This monitoring is designed to collect information on disease occurrence, prevalence, intensity, and seasonality to better understand potential impacts throughout Barnstable County.

- Marine Program staff assisted the Town of Harwich and the Division of Marine Fisheries with collecting data from an electronic fish counter on the Herring River at the Bells Neck Conservation area. The data on number of river herring that move upstream here is used by the state to track progress toward population recovery goals.

- Herring Wardens in Barnstable County participate in the River Herring Network, a group coordinated by Marine Program staff that brings in speakers from Umass Amherst, and federal and state agencies to talk about the latest research and management decisions that affect local stewardship efforts in river herring runs. The COVID-19 pandemic prevented the in-person meeting from occurring, but two Zoom seminars were organized with good participation.

- COVID-19 has caused a significant impact on many sectors of the economy and the loss of sales for the oyster aquaculture industry has been dramatic; the industry typically does in excess of \$10M in sales within Barnstable County alone. In addition, recreational shellfisheries were heavily utilized during the pandemic and in need of replenishment. The Marine Program was awarded an additional \$50k in "rapid response" funds from Sea Grant in FY22 to implement a mini-grant program with the goal of funding towns interested in partnering with local shellfish growers or harvesters to restock recreational shellfish areas. With additional support received from MIT Sea Grant, 10 projects were funded promoting shellfish enhancement work by the towns.

- Roughly 95% of MA shellfish aquaculture production is oysters, and the rest is predominately hard clams. The industry has interest in diversifying, but candidates have been limited. There



has been interest in culturing surf clams with demonstrated rapid growth and good market characteristics, but they have not always performed so well in near shore waters. Work has continued with southern surf clams as a species of interest to help diversify MA aquaculture offerings.

- Working with researchers from WHOI, partners at the Center for Coastal Studies, and funding from the National Sea Grant program marine staff in the second year of research examining juvenile shellfish growth over a gradient of water quality conditions in the three bays system of Barnstable. The project aims to better understand how potentially stressful conditions of the ocean and coastal acidification interact with other factors like the food available to the shellfish to affect growth and survival.



Surf clam seed being grown by a cooperating shellfish farm.

#### MUNICIPAL ASSISTANCE COORDINATOR

The role of the Municipal Assistance Coordinator is to provide resiliency and cost-effective programming through various grant programs, including SMRP through MassDEP, and is essential to continue the Cape and Island's sustainable solid waste systems.

Throughout the pandemic, the coordinator worked via virtual participation in active solid waste and recycling committees, and virtual monthly "Town Hall" meetings with employees of the DPWs and transfer stations. Additionally, the program continued work with the Cape Cod Commission and the Barnstable County Health Department is necessary for a regional solution for sustainable management of our waste materials.

2021 demonstrated the importance of highlighting environmental justice, economic savings, and development, as well as identified the needs and responses to the communities of the Cape and Islands in the aftermath of The National Sword (2018) and Covid-19 Pandemic (2019). In November 2020, a steering team comprised of County staff was developed to create an SOW reviewing our need for a cohesive/resilient and sustainable regional solution to the environmental and fiscal cost impacts of The National Sword and



Oysters grown in the Three Bays system of Barnstable with WHOI, the town of Barnstable. (Pictured above)

Covid-19. The study was completed in 2021, and the results were shared with local community members, the Cape Cod Commission, the Assembly of Delegates, and the Sierra Club of Cape Cod.

Each year, the MAC assists municipalities in their districts in filling out annual reporting for eligibility to apply for SMRP (Sustainable Materials Recovery Program) grants. This is information on both the solid waste programs and recycling programs that are operated by the municipalities. The initiative helps track data on spending, as well as tonnage for various material streams such as rubbish, recyclables, and organics (food waste and leaf and yard waste). 21 of 23 municipalities of the Cape and Islands applied for and received MassDEP SMRP grants.

Public services included in this program are the latex paint recycling collection, holiday strand lights collection, and boat shrink wrap collection, all on an annual basis. The annual latex paint recycling collection was held in tandem with a summer Household Hazardous Waste event in the Town of Dennis and yielded over 28,000 pounds of recyclable paint. The holiday strand light collection and boat wrap collection were operated in collaboration with Woods Hole Sea Grant.

Holiday strand light collection occurred from Nov. 2020 to the end of January 2021, where 6,500 pounds, or over 3 tons, of lights, were collected. The boat shrink wrap collection was held from Mid-April until the end of June. 20,000 pounds, or 10 tons, were collected and diverted from the waste stream.

Additional education and assistance on sustainable solid waste systems and services to both municipalities and the public continue to be promoted through local and national media and through outreach to town officials, schools, recycling committees, solid waste professionals, and other environmentally focused organizations. Relationships with town officials, boards of select persons, health departments, universities, schools, recycling committees, solid waste professionals, and other environmentally focused organizations are an extremely important role for the MAC to be successful.

## **NUTRITION, FOOD SAFETY, FOOD ACCESS, AND LOCAL FOOD**

### **Nutrition and Food Safety Education**

Cooperative Extension's nutrition education program promotes optimal health to youth, families, senior citizens, and industry groups. Information and resources are available on food preparation and safety, how to stretch food dollars, growing and preserving food, healthy eating, and other nutrition-related topics. Program educators collaborate on various projects and events highlighting local food and food access.

### **Youth and Family Education**

Through SNAP-Ed grant funding, 7 preschool classes received a series of lessons focused on eating fruit and vegetables and combined literacy, food safety, and tasting opportunities for 79 children. Additionally, take-home materials went to these families, and supplemental teaching materials were left with each of these classrooms.

Cooking on a Budget was presented virtually to 16 parents of preschoolers as well as to 25 AmeriCorps members in person.

A total of 87 school-aged children in the Falmouth, Monomoy, and Dennis-Yarmouth school districts have participated in Show Me Nutrition afterschool nutrition education series through the SNAP-Ed Program funding. Nutrition education was provided to all Chatham Elementary students through school assemblies and supplemental materials for families through handouts and videos as part of Wellness Week.

Approximately 150 eighth graders participated in a nutrition lesson in Dennis-Yarmouth Regional High School's health classes focused on healthier choices for adolescents with leave-behind learning activities for teachers to use in the classroom. The Horticulture class participated in three hands-on lessons utilizing crops grown in the school greenhouse. 130 sixth graders participated in nutrition lessons offered as part of Mattacheese Middle School's health curriculum. Supplemental lessons were provided for use by the health teacher.

Six-week nutrition and gardening series at two Falmouth lessons and



*Show Me Nutrition Assembly as part of Wellness Week, Chatham Elementary School*

planting in the school garden. 76 students participated. 24 students in the 21st Century Grant program at Hyannis West Elementary School participated in a series of lessons led by a Master Gardener collaborating with teachers. The spring series allowed for hands-on gardening activities supplemented by weekly food activities utilizing the produce being grown in the garden.

Monthly displays and morning Food Explorer announcements were made at four schools for students and their families focused on a unique fruit or vegetable each month.

A nutrition educator collaborated with the Family Resource Center to provide weekly food and nutrition activities and recipes as part of their remote summer camp 2021 program reaching 30 children and teens in the Hyannis area.

Four weekly take-home kits with nutrition educational materials were provided to 10 individuals at Old Colony YMCA's Community Corrections probationary program in Hyannis. One in-person event was held for the Motherhood program which included meal planning and food budgeting. This program focus is on basic life skills to low-level offenders as they are returning to the community.

### **Education for Senior Citizens**

Older adults participated in presentations and cooking demonstrations at two senior centers. Additionally, Wellness Words, a monthly electronic nutrition newsletter has been distributed to older adults and Councils on Aging staff. Currently, there are 227 subscribers to this newsletter. As part of the Brown Bag Nutrition Distribution Program for low-income seniors, four displays/cooking demonstrations were provided at a senior center reaching approximately 80 food-insecure clients.

Four cooking demonstrations were conducted at two food pantries with educational materials and recipes provided to two additional food pantries due to ongoing pandemic restrictions. It is estimated that 250 people received this information. Educators and interns assisted with Sandwich Partnership for Families Food Box distribu-



tion by developing educational materials to inspire healthful meals using the contents of the boxes.

### Industry and Small Business Resources

Twenty-two in-person ServSafe food safety certification courses have reached 232 individuals in the food service industry and in regulatory roles, fulfilling the Food Code requirements set forth by the Massachusetts Department of Public Health. A safe food handling course was provided to a new restaurant at the request of a local health department. Training covers basic safe food handling techniques.

Nutrition educators collaborated with Cape Cod Municipal Health Group to offer municipal employees seven hybrid virtual/in-person workshops highlighting meal planning, and numerous topics focused on the goals of healthy eating. These programs reached approximately 50 CCMHG members in person and more through a virtual option. Nutrition educators provided cooking demonstrations and educational materials at four benefits fairs for the members and retirees of Cape Cod Municipal Health Group.

An educator provided a food product 3 development course to growers, new food business entrepreneurs, and producers collaborating with community development agencies, UMass Food Science, and CISA (Community Involved in Sustaining Agriculture) to a total of 35 people. Explore Local Food Systems, a 6-hour teacher training for secondary educators was offered virtually over the course of three evenings in collaboration with Massachusetts Agriculture in the Classroom, Massachusetts Farm to School, and Shelburne Farms Institute for Sustainable Schools. This series focused on the following themes: defining a food system, food and place, and taking action.

A series of three Exploratory Agriculture activities for youth was offered as part of the Falmouth Farmers Market in collaboration with Buy Fresh Buy Local Cape Cod. Each activity was planned to instill interest in farming careers by encouraging participants to engage with local growers. A one-day hands-on activity as part of the annual Strawberry Festival was offered in collaboration with a local grower to educate participants on agricultural careers and provide instruction on growing microgreens as a hands-on activity.



Senator Susan Moran visits Exploratory Agriculture tent at Falmouth Strawberry Festival (Pictured left).

Food for Thought, a monthly electronic child nutrition newsletter has been distributed to parents and elementary school staff. Currently, there are 1,021 subscribers to this newsletter.

Nutrition educators acted as preceptors in community nutrition rotations; providing guidance, practical experience, and training to six Dietetic Interns in collaboration with Delicious Living Nutrition Dietetic Internship. The experiences contribute towards the 1200 hours of post-graduate supervised practice required by the Commission of Dietetic Registration of all Dietetic Interns before taking board exams.

Nutrition educator currently participates in MA Partnership for Food Safety Education and MA Food System Collaborative meetings, co-chairs the Cape Cod Hunger Network to support the work of the local food pantries, sits on the YMCA's Head Start Health Advisory Committee, and the BC Health and Human Services Advisory Council to represent the Cape Cod Hunger Network.

### Food Access

Extension's Food Access program is focused on establishing community partnerships to broaden the expansion of food security initiatives this past year.

### Food Delivery Program

The food pantry delivery program continued to operate with the help of 4 pantries across the Cape providing over 6,000 bags of food. Home deliveries were made possible with the dedicated support from Cape Abilities, Community Connection, and 10 volunteers. Together more than 2,000 deliveries were made throughout the year. The majority of those receiving deliveries were housebound individuals due to chronic health conditions. To identify health-compromised individuals who are food insecure, partnerships were established with the Community Health Center of Cape Cod and the Family Service Association (a Mass Health program).

Additionally, the transportation program to provide hot meals from Faith Family Kitchen to area motels for the Cape Cod Council of Church's *In From the Streets* program, a partnership with the Cape Cod Council of Churches and Duffy Health Center. The program provided transportation of freshly cooked dinners to those housed in emergency hotel shelters due to medical reasons or bad weather. Meals were provided to cover 7 lunches and 7 dinners each week per guest as needed and operated three days a week from December through April to two motels in the mid-Cape area.

### Cultural Community Garden

Extension continued to prioritize food access for socially disadvantaged individuals and families by working with Canaan Seventh-day Adventist Church in West Yarmouth to help meet the needs of the Haitian and Jamaican immigrants on Cape Cod. The Everyone Eats Cultural Community Garden at the Canaan church increased to 12 raised garden beds in FY 2022 enabling their Caribbean food pantry to provide more culturally appropriate food to their community. In addition, a diversity task force was formed to help advise on diversity, equity, and inclusion initiatives.





Jean-Claude Butter Community Outreach director at the Canaan Seventh-day Adventist Church's Everyone Eats Cultural Community Gardens

The Community Leadership group meets bi-monthly to share information and resources and partner on various DEI efforts.

### Food Recovery and Waste Reduction

To promote food rescue efforts on a larger scale, the Food Access Coordinator facilitated a partnership with the national food recovery nonprofit, Food Rescue US, to reduce food waste in the region. This collaboration connects Extension's existing network of food donors through Food Rescue US' web-based app, boosting support for the County's food recovery efforts by redistributing fresh, nutritious, donated surplus food throughout the Cape. The partnership's goal is to reduce both hunger and food waste by rescuing excess food from restaurants, hotels, farms, markets, and other local businesses, and diverting it to organizations that are able to distribute it those most in need.



Laura Hawley, Church Administrator of Faith Assembly of God participates in CCCE's new food rescue initiative by harvesting excess produce from their Everyone Eats Cultural Community Garden and donating to the Hyannis Public Library (Pictured left).



Food diverted from Canaan Church to Truro Community Kitchen to provide meals to those in need in Truro.





CCCE Nutrition Educator, Kim Concra, speaks to the Young Adults about safe food handling and storage.

### Youth Food Insecurity

In June 2022 CCCE collaborated with Barnstable County's Human Services Department on the creation of a food education program for youth and young adults experiencing homelessness and housing instability. This pilot program was a result of the Cape Cod and the Islands Regional Network on Homelessness's strategic priorities to reduce the prevalence and impact of food insecurity for young adults who are housing insecure. This monthly class is led by a volunteer chef. The participants are taught cooking skills, safe food handling techniques, and learn how to store food properly if they don't have refrigerators. Nutrition education, recipe sharing, and food resource information are provided during the class. The young adults participate in the cooking of the meal and eat together. Extra food is sent home with participants and the night ends with the chef showing how to make another meal using the leftovers.



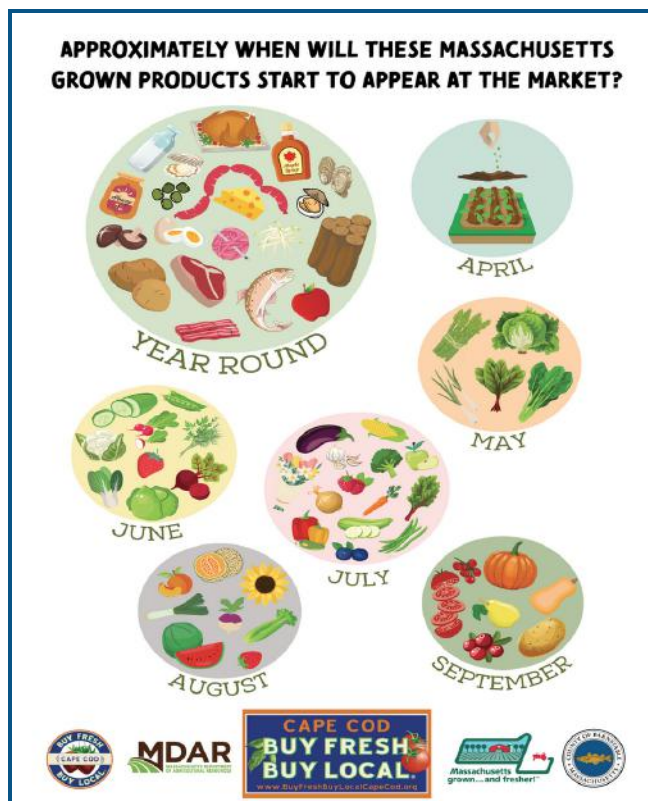
Participants of the Youth and Young Adults cooking program watch the chef as he demonstrates proper cooking techniques.

### Buy Fresh Buy Local Cape Cod

Buy Fresh Buy Local Cape Cod (BFBLLC) is celebrating its fifteenth year as a chapter of the Massachusetts Buy Fresh Buy Local Initiative. The mission of BFBLLC is to connect the public with Cape Cod-grown land and sea products and to educate the public about the importance of buying local products. These collaborative efforts are mutually beneficial for Cape Cod growers and consumers. It builds the local foods economy while educating the public about the many health, economic, taste, and environmental benefits of purchasing local foods.

### Full-time Program Coordinator

BFBLLC membership continuously rises, as does the service needs of Cape Cod's local food producers and consumers, therefore the Cape Cod Cooperative Extension (CCCE) hired a full-time BFBLLC Coordinator in mid-March 2022. For years the BFBLLC was managed by a part-time coordinator, but increased program demands and plans to provide even more services in the future necessitated a full-time coordinator. Membership of Barnstable County farmers, farmers' market, and food producers has increased by about 450% since the program's inception in 2008. The Program Coordinator maintains communication with the BFBLLC members and assists members with







FY'22

public outreach and consumer marketing endeavors. This is done through outreach campaigns, daily social media posts (over 5,700 followers), monthly newsletters (over 3,000 subscribers), and in-person community outreach. In 2022, the Program Coordinator also collaborated with other CCCE staff on educational and direct service projects funded by a Massachusetts Department of Agriculture (MDAR) grant for \$99,852.85.



#### Guides to Local Farms and Food, Point-of-Sale Materials, Marketing

Over 10,000 printed, full-color, graphically designed Guides to Local Farms and Food were distributed to farm stands, farmers' markets, community centers, town halls, libraries, schools, senior centers, food banks, and social service offices across Barnstable County. The digital, downloadable version of the 2022 guide was also posted on the BFBLLCC website and Facebook page. Thousands of other outreach materials were provided to members to distribute as part of their marketing and public outreach efforts including bumper stickers, multi-language cookbooks farmer-submitted recipes, shopping bags, coasters, kitchen towels, coasters, magnets,

and 25,000 shopping bags. Multiple members expressed their appreciation at being able to use the materials as an add-on and marketing items which were especially helpful during this time of supply chain issues and increased, post-Covid, in-person market interactions.

#### Farmer Compensation to Grow Culturally Relevant Crops

With MDAR grant funding, BFBLLCC compensated Chatham Bars Inn Farm in Brewster, Pariah Dog Farm in Falmouth, and Cape Cod Organic Farm in Barnstable to produce crops that are culturally relevant to Asian and Eastern European communities. The crops grown on the farms were choy sum, edamame, young ginger, black radish, savory, and kohlrabi. Supporting the cultivation of these crops, made them more available to the cultural groups, and promoted cultural exchange and culinary exploration for others. Factsheets that included produce preparation and recipes were created for each crop and were translated into corresponding languages. Educational cooking videos were also produced for black radish, savory, kohlrabi, and choy sum that included crop information, cultural context, and cooking demonstrations.

#### Seed to Plate

CCCE Nutrition Educators, with help from the Master Gardeners Association of Cape Cod, provided accessible home gardening kits and demonstrations for 48 senior participants at three locations (Coady School Residences in Bourne, The Yarmouth Senior Center, and the Wellfleet Senior Center).



*Cooking Demonstration for seniors at Coady School Residences.*



*Earthboxes planted with herbs and greens at Coady School Residences.*



## Chef Aquaculture Surveys

CCCE contracted Dr. Nora Barnes, Ph.D. and Shannon Viveiros MBA to develop and deploy an online survey to determine MA chefs' preferences and knowledge regarding local shellfish species and value-added products. The survey was sent to 13 MA culinary organizations and received 23 responses. BFBLLC and CCCE Aquaculture team plan to utilize the data from the survey to formulate a strategic plan to market Barnstable County aquaculture farms to regional culinary professionals.



USDA Staff visits Silva Chuters Farm in Provincetown

## Shucked Oysters to Food Banks

Barnstable County oyster farms suffered huge financial losses during the Covid pandemic, which also caused many local shellfish farms to have an excess supply that outgrew its target and more marketable size. At the same time, there was a growing demand for quality protein in the food bank sector and an interest in sourcing it locally. In December 2021 CCCE and Woods Hole Sea Grant purchased, shucked, and processed 41,000 oversized oysters from 30 Cape Cod growers and delivered 1,375 pounds of frozen shucked oysters to the Greater Boston Food Bank, providing an estimated 5,500 meals.

## SNAP/HIP

A SNAP/HIP video was created by Nutrition Educator to provide a visual representation of how to utilize these benefits while supporting local agriculture. Those whose first language is not English may benefit from this short video, as the concept can be challenging to explain. The video was shared with senior centers, the WIC program, and the Cape Cod Hunger Network and currently has 302 views on YouTube.

## COASTAL PROCESSES

### Outreach on Coastal Processes

Over the last year technical assistance on coastal processes has been provided in the form of 32 site visits (typically with associated GIS analysis and follow-up written reports) on issues relating to coastal bank stabilization, beach grass for erosion control, proposed revetment construction on coastal banks, and dune restoration. The combined area of the properties that were provided information to make sound management decisions was over 82 acres (346 site visits since 2009). 28 site visits (valued at \$112,000) were conducted in 12 Barnstable County towns (Bourne, Brewster, Chatham, Dennis, Eastham, Falmouth, Harwich, Orleans, Provincetown, Sandwich, Wellfleet, & Yarmouth) in addition to several other towns throughout Massachusetts. Additional direct outreach has been provided in the form of 13 presentations to 925 people total (over 10,000 reached in 207 presentations since 2009). A wide range of audiences has been reached from congressional staffers to conservation commissions, to town officials, to Audubon, to town boards/commissions, to high school students, to homeowners associations. The number of in-person presentations was greatly reduced as well as the yearly conference was canceled due to concerns over COVID, however online support for stakeholders has remained high.

Working with Sandwich Town officials a CoastSnap station was launched at Town Neck beach station at a pre-existing town-owned platform. CoastSnap uses individuals' cell phones and social media to engage the public in observing and documenting coastal change. Current signage engages visitors, prompting them to share photos on Facebook, however, this is being transitioned into a phone app. Visitors have documented the town's sand nourishment project, as well as storm impacts, through photos and a timelapse video.



The CoastSnap station at Town Neck Beach in Sandwich. A cellphone is placed in the cradle for visitors to submit a photograph and contribute to the data collection.



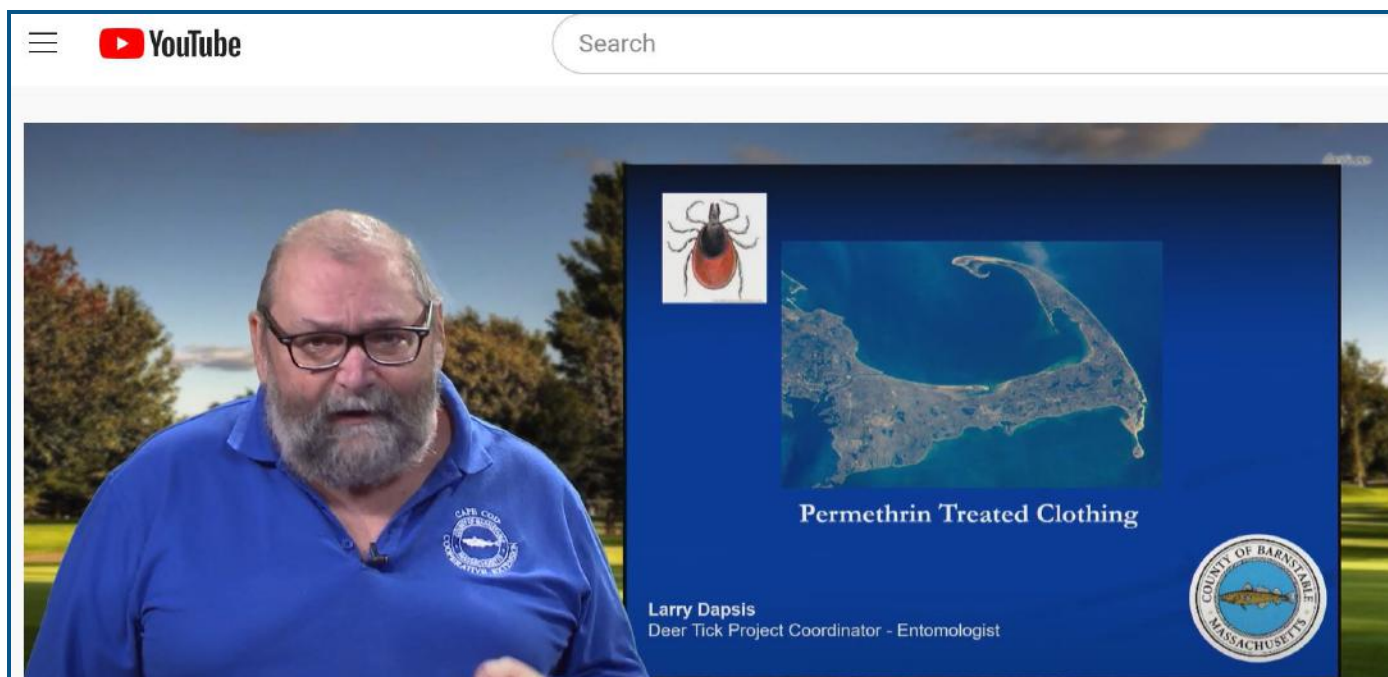
## TICKS AND ENTOMOLOGY PROGRAM

The tick outreach program has a branded theme “One Bite Can Change Your Life”. Barnstable County has the fourth-highest incidence rate of tick-borne diseases in the state. One of the major contributing factors to risk is the demographic picture of the Cape. Median age means that 50% of people are older and 50% younger. 95% of cases of babesiosis and anaplasmosis are found in people 60 years and older. Older people represent about 50% of cases of Lyme – children under the age of 10 represent a majority of the remaining cases.

Outreach efforts have been conducted remotely primarily via Zoom. Seventy-five workshops/events were conducted at libraries, senior centers, community centers, and for groups such as AmeriCorps, the Master Gardener Program, Middle Schools, and Garden Clubs. The tick extension program was also covered extensively via newspaper articles and radio interviews.

Workshops were also conducted for backyard horticulture, pollination ecology, entomophagy – edible insects, and forensic entomology – using insects to solve crimes.

A ten-part video series on the Extension website has been accessed by people within but also outside of Barnstable. With the Extension’s permission, the Appalachian Mountain Club has chosen to use the video on permethrin-treated clothing as their in-house training tool.



The Extension Tick and Entomology program remains a publicly accessible resource for insect identification and control recommendations. Tick identification, tick bite prevention and tick testing remain in the forefront of public contact.

## AGRICULTURE AND HORTICULTURE PROGRAM

Cape Cod Cooperative Extension’s Agriculture and Horticulture Program provide educational programs and serve as a resource for unbiased research-based information for industry professionals, municipalities and the public. Agriculture and horticulture are important components of Barnstable County’s economy. Agricultural commodities alone have a market value of more than \$10,000,000 in Barnstable County. Agriculture and horticulture are vital to residents and visitors providing food, jobs, recreation and beauty; essentials to our tourist-based economy. The agriculture and horticulture program through education and outreach enables Barnstable County citizens, professionals, and municipalities to make sustainable and environmentally sound land management decisions.



Display staffed by Master Gardeners providing science-based resources for the public at 2022 Rotary Home Show, Barnstable.



The agriculture and horticulture program serves as a resource for industry professionals and municipalities. These services include site visits, publications, and diagnostic services. The program monitors for agriculture and horticulture pests and provides timely information to the industry through publications and fact sheets. The program also provides education and resources to the public through the aid of trained volunteers, Master Gardeners. The more than 200 active Master Gardeners provide more than 5000 hours of volunteering a value of more than \$150,000. In FY22, 21 new Master Gardeners were recruited and trained. The Master Gardeners help staff the Horticulture Clinic which provides citizens with an opportunity to get horticulture questions answered, soil tested, and plants and pests identified; utilizing reliable science-based information developed at our Land Grant Universities.



*Everyone Eats Ethnic Garden installed and planted by CCCE AgHort program with support of Master Gardeners at Faith Assembly of God Church, Hyannis MA with funding from Massachusetts Department of Agriculture (Pictured above).*

## WATER QUALITY AND HAZARDOUS MATERIALS PROGRAM

The mission is to protect Cape Cod's unconfined, sole-source aquifer from chemical contamination.

### Household and Small Business Hazardous Waste Collection Program

The program was operational throughout the COVID-19 pandemic with the goal of keeping solid waste and recycling from becoming toxic. Over 6,000 residents participated, and over 625,000 pounds of hazardous waste were collected in 2021. Well over one million pounds of household and small business hazardous waste was collected during the pandemic years of 2020-2021. The program primarily protects Cape Cod's aquifer and supports a clean water environment. Further, the program protects families, children, and pets from accidental poisonings and first responders from chemical hazards in emergency situations.

A pilot program to collect HHW from residents who are transportation-challenged was initiated in 2021 and continued through FY'22.

A grant from the MA DEP to support the construction of a year-round permanent facility to collect HHW was awarded in 2021. Cape Cod businesses and residents require year-round disposal of their unwanted

chemicals. Moving, death, and other life events necessitate the convenient removal of unwanted chemicals. The nearest collection facility is outside of Boston, prohibitively distant for Cape residents and businesses.

The bid to collect HHW for all fifteen towns and one water district was opened and awarded to Clean Earth for a one-year contract and two possible one-year extensions.

The Very Small Quantity Generator (VSQG) category designates small businesses on Cape Cod that use chemicals in their processes. The program is open to over 4,300 small businesses in disposing of their chemicals conveniently and economically using the county bid process.



*Chad Contonio from the Town of Dennis*



*Phil Goddard, ISWM*





## Sharps Collection Program

In collaboration with fourteen towns (The town of Sandwich operates its own initiative), Barnstable County offers free and convenient disposal of sharps per 105 CMR 480. All towns shall offer free sharps containers and disposal to their residents. Over 22,850 pounds of sharps were collected in the calendar year 2021, and 4,196 containers were distributed to residents.

## Flares Collection Program

In cooperation with fifteen towns, Barnstable County offers free disposal of marine and road flares. Road flares contain perchlorates, a regulated chemical in drinking water. Over 4,587 flares were collected in the calendar year 2021.

## Unwanted Medication Program

To prevent drugs and medications from contaminating water sources, Barnstable County works to provide free residential disposal of unwanted medications in cooperation with fourteen town police departments (excluding the Town of Sandwich). Other options for disposal include the DEA take-back days offered 2x yearly, and Cape Cod and Falmouth Hospitals offer disposal kiosks as well. Additionally, mail-back envelopes can be found at major pharmacies for convenient disposal.

## Mercury Collection Program

In cooperation with all fifteen towns on Cape Cod, Barnstable County offers free disposal of mercury at HHW collections, at town transfer stations, and through free home pickup of elemental (liquid) mercury. Over 37 pounds of mercury was collected in the calendar year 2021.

## WET Festival

The WET Festival program is part of the national aquifer educational initiative serving school children grades 3-6. AmeriCorps Cape Cod provides program coordination and implementation with the supervision of the Extension educator. The program provides comprehensive education aligned with STEM and Commonwealth curricula requirements on all water, including drinking water and wastewater. A new initiative to offer a lending library of activities such as 'Beach Cleanup' was implemented by the AmeriCorps Cape Cod coordinator and offered to all communities in FY'22.

## Water Fair

The Water Fair celebrates Cape Cod's vast and myriad network of water stewards who work to protect our largely unconfined, sole-source aquifer. While the COVID-19 global pandemic excluded in-person celebrations, a virtual fair was held online. The County hopes to offer an in-person celebration when the pandemic has receded.

## Groundwater Guardians

The Groundwater Guardians support education and exploration of Cape Cod's aquifer with the mission to protect it from contamination. Infographics and other educational offerings are

available on the website. In the calendar year 2021 a podcast, 'One drop leads to another,' was created to optimize general education on water. Guests included Arlene Blum, a national expert in PFAS; Andrew Bowen, WHOI's director of the Deep Submergence Lab; and others. Visit [www.CapeCodGroundwater.org](http://www.CapeCodGroundwater.org) for more information.

## Municipal Assistance

The educator offers assistance to municipal departments, and fire, waste, and water districts on chemical safety and disposal. Throughout FY'22 the Water Quality and Hazardous Waste educator offered support to fire departments/districts, schools, DPW's, and others to dispose of unwanted chemicals, including firefighting foams, mercury, lab chemicals, and cleaners. Additionally, the educator offered mentorship and support to other municipalities and non-profits on HHW, sharps, flares, and mercury programs.

## Affiliations

The educator is a member of the North American Hazardous Materials Management Association (NAHMMA), serves as the Secretary/Treasurer for the NAHMMA Northeast chapter, and is on the communications committee of the NAHMMA national chapter. Additionally, the educator serves on the Cape Cod Hoarding Task Force Executive Committee and the Environmental Science and Technology committee at Barnstable High School, and the Commonwealth's Strategic Sourcing Team for contract FAC 110.

## Miscellaneous

The educator gave numerous presentations, for example, the Yarmouth Art Guild on Hidden Hazards in the Art Studio.

The educator attended and completed training in climate change curriculum for schoolchildren. The educator attended workshops with topics relevant to the program area, for example, climate and resiliency chemical safety and PFAS and other forever chemicals. Interviews included WCAI and The Sunday Journal.

Water Quality and Hazardous Waste hosted two AmeriCorps Cape Cod members.

## Connect

[www.Facebook.com/LoveYourLocalWater](https://www.Facebook.com/LoveYourLocalWater)

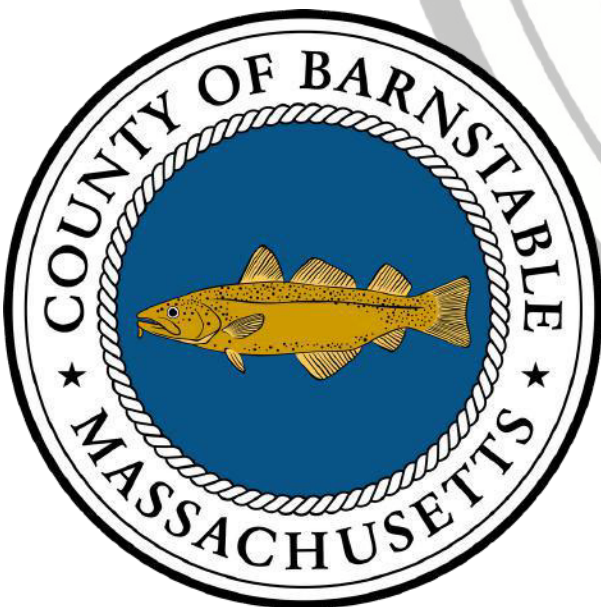
[www.LoveYourLocalWater.org](http://www.LoveYourLocalWater.org)

[www.CapeCodGroundwater.org](http://www.CapeCodGroundwater.org)

\*Data were aggregated and reported by calendar year.

# Report of the AMERICORPS CAPE COD

AMERICORPS CAPE COD





# AMERICORPS CAPE COD

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## REPORT OF AMERICORPS CAPE COD

*For the Period July 1, 2021 and ending June 30, 2022*

**Katherine "Kat" Garofoli, AmeriCorps Program Manager**

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**Phoebe Plank, AmeriCorps Program Specialist**

508-375-6871 | [phoebe.plank@barnstablecounty.org](mailto:phoebe.plank@barnstablecounty.org)

### Upper Cape Program Supervisors

Derek Brudahl, Pocasset House

Robert Skubal, Barnstable House

Outer Cape Program Supervisors

Michael Andranovich, Chatham House

Bob Bennett, Wellfleet House



Year 23 AmeriCorps Members and Program Supervisors pose at a service project at Breivogel Ponds Conservation Area.



**MISSION:** Since 1999, Barnstable County's AmeriCorps Cape Cod program has engaged service-minded adults to fulfill a variety of environmental and disaster preparedness needs across Cape Cod. Each year we recruit, train, and host 24 national service members, who make an 11-month full-time volunteer commitment to Cape Cod. The program is dedicated to bringing in skilled young professionals to serve on capacity-building projects for municipal governments and non-profit organizations across all 15 towns of the Cape. Our focus areas include natural resource management, disaster preparedness and response, environmental education, and volunteer engagement.

AmeriCorps Cape Cod is funded by Barnstable County and through a grant provided by AmeriCorps the Agency. Housing for Corps members and live-in program staff is provided by Barnstable County, the Cape Cod National Seashore, the Town of Barnstable, and the Chatham Conservation Foundation, Inc. AmeriCorps Cape Cod is managed and operated by the Barnstable County Commissioners' Office with support from the Massachusetts Service Alliance.



Upper Cape AmeriCorps Members clearing the Bournedale Herring Run to ensure easy passage for the fish.

In the past 22 years, members have participated in the following activities:

#### Environmental Conservation Projects

- Completed 4,620 land and water-based conservation projects

#### Environmental Education

- Implemented and assisted in the development of over 2,475 environmental education activities to 59,562 individuals

#### Disaster Preparedness and Response Activities

- Implemented and assisted in the development of over 2,475 environmental education activities for 59,562 individuals
- Disaster Preparedness and Response Activities
- Responded to 11 marine mammal stranding events in 2022 affecting over 35 marine mammals.
- Staffed each of the Cape's three regional shelters, as well as the Multi-Agency Coordination Center at the Barnstable County Complex for over 181 hours during the 2021 October storms and 2022 winter storm "Kenan." AmeriCorps Cape Cod members assisted 60 individuals during this event.
- Assisted throughout the COVID-19 pandemic by setting up tents and directing traffic for COVID-19 drive-thru testing sites as well as assisting with vaccination clinics at the County.
- Taught 548 community disaster preparedness, education classes.
- Participated in 28 disaster simulations including the 2016 Barnstable County Regional Emergency Planning Committee Train Derailment Drill
- Staffed each of the Cape's six regional shelters opened for public safety during 2013's Superstorm Sandy
- Staffed three regional shelters twice in 2018 when Cape Cod was hit with the "nor'easter"

**From September 1999 to July 2022, AmeriCorps Cape Cod members have served a total of 972,669 hours.**



**Estimated Value of Service to the Cape Cod Community September 1999 – July 2022 \$32,311,825\***

**\* Source: The Independent Sector sets the State and National Volunteer Rate each year. (\$29.95 for 2022)**

## Community Events

- Organized and participated in annual events including National AmeriCorps Week, National Volunteer Week, County Day of Recognition for National Service, Arbor Day, Earth Day, Harwich “Tour de Trash”, Cape Cod Canal Clean-Up, Barnstable County Hazardous Waste Collections, Boy Scout Emergency Preparedness Fair, Martin Luther King Jr. Day of Service, Coast Sweep Beach Clean-Up, Project WET Festivals, Brewster Conservation Day, Dennis Conservation Celebration, Yarmouth Winter Carnival, and CARE Days.

## Civic Engagement

- Engaged 14,645 community volunteers in over 48,498.5 hours of community service.
- Delivered 305 presentations about AmeriCorps, national service, community service, and/or civic engagement.

## Community Collaborations

- Partnered with over 150 federal, state, county and/or town departments, schools, community groups, and non-profit agencies.

## Building Community

- 88% of AmeriCorps members have successfully graduated from the program.
- 115 Corps members have stayed or returned to the Cape after graduation to live and work for a period of time —50 alums are currently living and working on the Cape; 17 are working for Barnstable County or a Municipal department.



*AmeriCorps Cape Cod Members behind the set of the Green Ribbon Puppet Show at Brewster Conservation Day.*

## 2021-2022 ADVISORY BOARD MEMBERS

### KELLY BARBER\*

Barnstable Land Trust

### ALEX BATES\*

Orleans Conservation Trust

### RYAN BURCH\*

Town of Brewster

### NANCY CHURCH

Waquoit Bay National Estuarine Research Reserve

### NINA COLEMAN

Town of Barnstable

### DAVID CRARY

Community Partner

### TIM FAMULARE

Town of Provincetown

### RACHEL HUTCHINSON\* - Chair

Town of Chatham

### SHEILA LYONS

Barnstable County Commissioner

### HEATHER McELROY

Cape Cod Commission

### JOHN OHMAN

Barnstable County Assembly of Delegates

### BRIAN SHARP

International Fund for Animal Welfare

### JESSICA WHRITENOUR\* - Vice Chair

The 300 Committee Land Trust

### ERIK BOYER\* - Alternate member, Wildlands Trust

### JESSICA REMPEL - Alternate member, Cape Cod Commission

### LAUREN McKEAN - Advising volunteer

\*Indicates AmeriCorps Cape Cod Alumni





Over 3,461 pounds of lights diverted from landfills through the program's partnership with the Cape Cod Cooperative Extension Holiday Light Collection.

## 2021-2022 INDIVIDUAL

### POCASSET HOUSE

#### **Massachusetts Alternative Septic System Testing Center**

Clean Water Outreach and Education

Members: Travis Kornegay and Susanna Baker

#### **Massachusetts Alternative Septic System Testing Center & Town of Bourne: Department of Natural Resources**

Clean Water Outreach and Education; Town of Bourne Water Quality and Resource Management

Member: Susanna Baker

#### **Massachusetts Department of Conservation and Recreation: Forest Fire Control District 1**

Wildland Fire History of Barnstable, Dukes, and Nantucket Counties

Member: James Whitaker

#### **Town of Falmouth: Marine and Environmental Services: Shellfish & Biological Services Division**

Shellfish Teach Elementary Students is Massachusetts (STEM) Workshop Series Program

Member: Lauren Valenti

#### **Town of Sandwich: Department of Natural Resources**

Mill Creek and Scorton Creek Shellfish Propagation & Conservation Lands Management

Member: Robert Zielinski

### **Dennis Conservation Land Trust**

Mapping, Stewardship, and Outreach with Dennis Conservation Land Trust

Member: Korri Basinger

### **Harwich Conservation Trust**

Advancing Conservation Land Stewardship in Harwich

Member: Astoria Peterson

### **Orleans Conservation Trust & Sipson Island Trust**

Boundary Marking, Land Stewardship, and Volunteer Coordination

Member: Jami Baker

### **Town of Dennis: Department of Natural Resources & Barnstable**

Clean Water Coalition

Dennis Community Engagement and Conservation Outreach

Marstons Mills River Restoration Plan

Member: Brandon Badal

### **Town of Wellfleet: Health/Conservation & Shellfish Departments**

Wellfleet Land and Sea Stewardship

Member: Audrey Healey

## 2021-2022 SERVICE PROJECT HIGHLIGHTS

### **Upper Cape Service Projects**

#### **Breivogel Ponds Conservation Area Invasives Removal and Land Management**

A major highlight for the Corps was the time spent serving with the Town of Falmouth Conservation Commission at Breivogel Ponds Conservation Area. Over the second half of the year, members performed three, all Corps service projects at this site. With these projects, members managed to remove 99% of pitch pine saplings from a sandplain grassland and contribute to the process of returning the area to a more natural state. Additionally, members removed gray willow saplings that were encroaching on a constructed vernal pool and eradicated a section of scotch broom that had established itself near a pond. Furthermore, mature autumn olive, black locust, and gray willow were cut and treated to eliminate the seed source for these invasives.

#### **Overwintering Oysters with the Town of Falmouth**

In December, Upper Cape members assisted the Town of Falmouth Marine & Environmental Services with removing their oyster stock from oyster bags at Little Pond in Falmouth. The stock was then transferred to a shipping container filled with ice to store the oysters for the winter.

#### **Sandwich High School and Mashpee Pollinator Gardens**

This spring ACC had pollinators on the mind! In April, Upper Cape members took part in two different projects assisting with pollinator gardens. At Sandwich High School, members spent the day spreading loam and creating a path through an area that is now planted with plants that are beneficial to pollinators. Another group service day was spent assisting the Town of Mashpee Conservation Department and Friends of Mashpee National Wildlife Refuge with rehabilitating roadside pollinator gardens by removing dead growth and leaf litter and seeding the area with plants that are useful to pollinators.





*ACC members Sylvie Holding and Emily Russ sort through a rack of oysters that will be distributed at Town Neck in Sandwich.*

### **Shellfishing at the Sandwich Boardwalk**

In early December, Upper Cape members spent a portion of the day assisting the Town of Sandwich Natural Resources Department with maintaining their Shellfish Grant located at the Sandwich Boardwalk. Tasks included sorting and culling legal-sized shellfish, as well as relocating shellfish cages to deeper water to minimize mortality during the winter months. After the tide came in, members transitioned to Brady's Island Conservation Area to assist with the removal of unwanted brush.

### **Great Island Trail Creation with Sandwich Conservation Trust**

In October, Upper Cape members completed a group service project at Great Island in Sandwich with the goal of increasing accessibility to this beautiful natural space. Members spent the day blazing a trail across the island through greenbrier and other vegetation and clearing an area that looks out over the marsh towards Springhill Beach.

### **Outer Cape Service Projects**

#### **Wellfleet Oyster Relay**

In October, the unique natural oyster reef in Wellfleet was at risk due to the planned dredging of the Harbor. The Wellfleet Shellfish Department called on AmeriCorps Cape Cod to help move the oysters out of harm's way. The Outer Cape members teamed up to get the job done.

#### **Helping the Family Pantry of Cape Cod**

Every fall and spring AmeriCorps Cape Cod serves with the largest food pantry in the region, the Family Pantry of Cape Cod. This year the Corps assisted in closing the Pantry's Garden for the winter in October and then prepared it for the growing season in

The Outer Cape members thoroughly enjoyed serving with the Family Pantry and making a positive impact on local food access.

### **Firewood Giveaway with Harwich Conservation Trust (HCT)**

In early December, Outer Cape members partnered with the Harwich Conservation Trust to continue a long-term land management plan at the Trust's Pleasant Bay Woodlands property. ACC, HCT, and the Town of Harwich Council on Aging worked together split logs and host a successful firewood giveaway event that benefited Harwich residents.

### **Winter Storm Kenan Shelters**

When disaster strikes, ACC is ready to respond. In January, when Winter Storm Kenan knocked out power across Cape Cod, the Corps deployed to regional shelters to support the community. Members stationed three shelters - Falmouth High School, Barnstable Intermediate School, and Nauset Regional High School - where they served residents in need of basic amenities.

### **Growing Our Partnership with the Massachusetts Department of Conservation and Recreation**

AmeriCorps Cape Cod values its partnerships with various organizations throughout the region. This year ACC continued to strengthen its relationship with the Massachusetts Department of Conservation and Recreation (MA DCR) through over a dozen projects and trainings. Whether it was maintaining the Cape Cod Rail Trail, serving on prescribed burns, or engaging in training sessions, the Corps and MA DCR saw their partnership flourish this year.



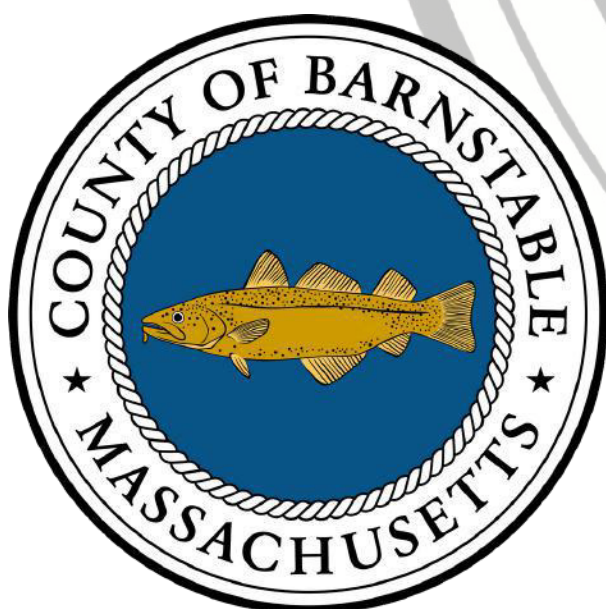
*ACC Members participated in several controlled burns with the MA Department of Conservation and Recreation Fire District in 2021. Here members are assisting with fire line operations at the Francis Crane Wildlife Management Area.*



FY'22

# Report of the FACILITIES DEPARTMENT

FACILITIES DEPARTMENT





# DEPARTMENT OF FACILITIES

3195 Main Street/Route 6A

P.O. Box 427

Barnstable, MA 02630

508-375-6603 | Fax: 508-362-8758

[www.barnstablecounty.org](http://www.barnstablecounty.org)

## REPORT OF DEPARTMENT OF FACILITIES

*For the Period July 1, 2021 and ending June 30, 2022*

### ADMINISTRATION

**Donald Reynolds, Director**

508.774.1201 | [dreynolds@barnstablecounty.org](mailto:dreynolds@barnstablecounty.org)

**Eileen O'Connell, Executive Assistant**

(508) 375-6602 | [eoconnell@barnstablecounty.org](mailto:eoconnell@barnstablecounty.org)

### SUPERVISION STAFF

Thomas Butler, Working Supervisor

Deborah Reynolds, Custodial Supervisor

### MAINTENANCE STAFF

Patrick Arnold, Maintenance/Repair

Sean Cushing, Maintenance/Repair

Dave Eaton, On-Call Pesticide Contractor

Eric Eklund, Mail Clerk/Custodian

William Gravelle, Mail Clerk/Custodian

Parker Kelley, Maintenance/Repair

Michael White, Maintenance/Repair

### CUSTODIAL STAFF

Richard Burgess

Jose Couto

Klauss Cunha

Aurelio Lima

Marcos Nunes

Jairo Oliveira

Richard Pacheco

Joseph Remmers

### ABOUT

The Facilities Department is responsible for all physical plant operations, general maintenance, and capital planning within the Barnstable County Complex, Second District Courthouse in Orleans, Children's Cove, Resource Development/AmeriCorps Administration Building, Extension Farmhouse, certain county residences and the former House of Correction.

The physical plant consists of the following thirteen elements:

- Superior Courthouse, County Complex
- Deeds and Probate Court, County Complex
- First District Courthouse, County Complex
- County Complex Grounds, Barnstable
- Second District Courthouse, Orleans
- Children's Cove, Barnstable
- Extension Farmhouse, Barnstable
- Resource Development/AmeriCorps Administration Building, County Complex
- Cape Cod Commission, cleaning only
- Recycle Building, Barnstable
- Former House of Correction, County Complex
- Health Lab/Water Testing, County Complex
- Innovation Building, County Complex

The Facilities Department budget provides funding for the following:

- HVAC, plumbing, and electrical systems
- Utilities
- Grounds and parking lot maintenance
- General maintenance and custodial services
- ADA administration and compliance
- Safety and security programs
- Mail collection and distribution
- County Recycling Program



## Second District Courthouse

Grounds Maintenance	\$7,051.00
Snow Plowing	\$3,950.00
Roof Replacement	\$402,450.00
Septic Repair	\$3,492.93



Orleans Second District Court

## Superior Courthouse

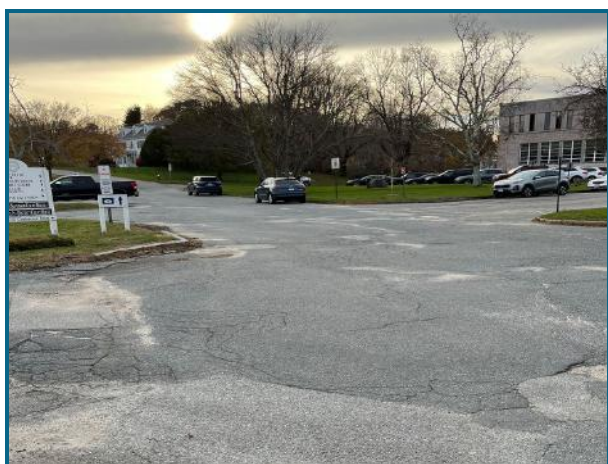
Replacement Exterior Handrails	\$4,285.12
Courthouse Assessment Study	\$9,500.00
Installation of Screen Shades	\$7,915.00
Ceiling Tile Replacement	\$3,420.00

## Registry of Deeds/Probate

Roof Repair	\$18,500.00
Fire Panel Replacement	\$3,495.73
New Emergency Exit Door	\$3,592.00
Probate Offices Painting	\$2,420.00
Replacement Rooftop A/C Unit	\$29,950.00

## County Complex

Grounds Maintenance	\$30,390.00
Parking Lot Repaving	\$265,017.17



Example view of old parking lot conditions



Workers remove old roofing materials at Second District Court



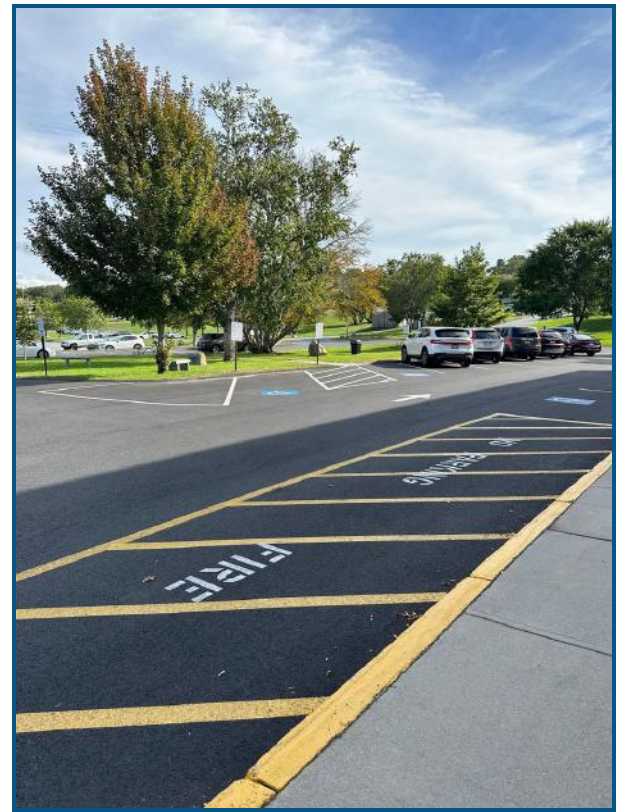
Workers install new insulation and EPDM membrane at Orleans Second District Court



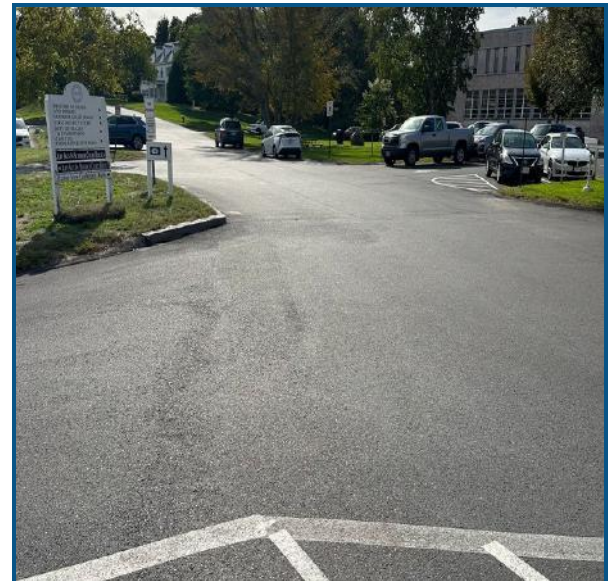
Grading site for new pavement



<b>Former House of Correction</b>	
Roof Replacement Completion	\$7,585.00
Intercom System Upgrade	\$2,581.72
<b>Health Lab</b>	
Repair Heating System	\$2,855.00
<b>Innovation Building</b>	
Exterior Concrete Stair Repair	\$9,842.00
<b>Children's Cove</b>	
Tree Removal Services	\$5,300.00
Lawn/Grounds Maintenance	\$2,800.00
Propane Tank and Generator	
Site Prep Work	\$1,600.00
<b>Extension Farmhouses</b>	
Removal Old Insulation and Sheathing	\$4,960.44
<b>Total</b>	<b>\$832,953.11</b>



*Finished Pavement looking South across the Deeds Island*



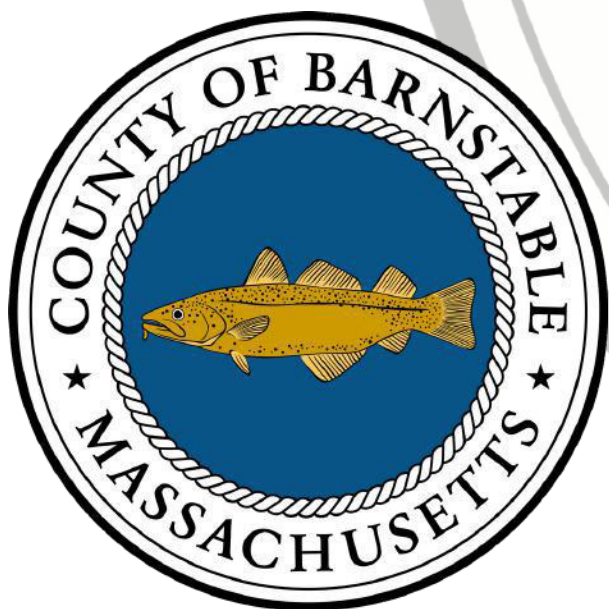
*New pavement looking SW*



FY'22

# Report of the **BARNSTABLE COUNTY DREDGE**

**BARNSTABLE COUNTY DREDGE**







# BARNSTABLE COUNTY DREDGE PROGRAM

Superior Court House  
P.O. Box 427  
Barnstable, MA 02630  
[www.barnstablecounty.org](http://www.barnstablecounty.org)

**REPORT OF BARNSTABLE COUNTY DREDGE**  
*For the Period July 1, 2021 and ending June 30, 2022*



**ADMINISTRATION**

**Ken Cirillo, Dredge Department Administrator**  
508-375-3655 | [kenneth.cirillo@barnstablecounty.org](mailto:kenneth.cirillo@barnstablecounty.org)

**STAFF**

Jason Bevis, Superintendent  
Christopher Armstrong, Leverman  
Cory Fleming, Leverman  
Andrew Dipietro, Deckhand  
Zach Tivey, Deckhand  
Brendan Cahill, Deckhand



**MISSION**

The mission of the Barnstable County Dredge program is to improve the recreational, environmental, and economic value of our changing coastline and estuaries while achieving cost savings for municipalities on Cape Cod.

**INTRODUCTION**

Due to regional demand for dredging, the County started a dredge program in 1996 with funding from the state and purchased its first dredge, the Cod Fish I. Two additional dredges have been added to the fleet with the Sand Shifter in 2017 and the Cod Fish II in 2019. This past summer the Cod Fish I was declared surplus and was sold.

In addition to the above dredges, the department also has two push boats, the Stephen S. Bradbury and the JW Doane, a barge, a booster station, several work skiffs, and the dredge support boat, Commander.

**BACKGROUND**

The County Dredge Program is critical to our region because it helps maintain the changing coastal landscape while protecting its environmental and economic vitality in addition to offering each town significant cost savings.

The dredging “season” typically runs from October to mid-June, and is subject to time of year (TOY) restrictions, ranging from protecting winter flounder and horseshoe crabs to piping plovers as well as summer tourism.

The demand for dredging on Cape Cod continues to increase due to climate change implications, annual sand dynamics brought about by seasonal storms, as well as the availability of additional state grant funding (MA Dredge).

It should be noted that every town on Cape Cod uses the County’s Dredge services with the exception of Brewster as they do not have any harbors or channels along their coast.

The program on average provides dredge services at a rate 70% below private sector costs with savings estimated in excess of \$6m since the program’s inception.

In addition to the reduced rates for dredging services, the County conducts Pre & Post Dredge Surveys at a cost of approximately \$8,000 per project. These surveys are invaluable records in the event of a damaging hurricane or other weather events and may be used for submission to the Federal Emergency Management Agency (FEMA) as documentation of storm damages and funding reimbursements.

Dredge Cod Fish II		
TOWN	LOCATION	CUBIC YARDS
Mashpee	Inner Channel	1,610
	1916 Channel	3,454
Truro	Pamet Harbor/Inlet & Approach Ch	1,127
	Pamet Harbor Mooring Basin	2,172
Dennis	Sesuit Harbor	16,303
Falmouth	Green Pond Entrance Channel	1,213
	Great Pond Approach Channel	610
Dredge Sand Shifter		
TOWN	LOCATION	CUBIC YARDS
Chatham	Mill Creek	7,410
Chatham	Pleasant Bay/Strong Island Channel	14,720
Bourne	Pocasset River	3,172
Mashpee	Poppenessett Approach Ch	4,860
Chatham	Stage Harbor	18,346
Harwich	Allen Harbor	9,686
	Wychemere Harbor	1,191

In total, since the start of the dredge department, the County dredges have removed over 2.3 million cubic yards of material from over 300 projects. 95% of the material dredged went to rebuilding the beaches around Cape Cod.

### Project Statistics - 2021 - 2022 Dredge Season

Cubic Yards dredged:

**85,874**

Number of towns with dredge projects completed this season

**7**

Smallest project (volume), Great Pond Approach Channel, Falmouth

**610 CY**

Largest project (volume), Stage Harbor Approach Channel, Chatham

**18,346 CY**

Longest run of pipe this season; Harding’s Beach to Stage Harbor Approach Channel, Chatham

**1.3 miles or 6,711’**

## PROJECTS

The total number of projects, volumes, and revenue were down significantly from FY21. This was due to projects being postponed due to permitting problems; (1) the town of Yarmouth's 10-year comprehensive dredging permit wasn't available, which resulted in three projects being postponed, (2) the dredge disposal location for the Barnstable harbor project (town of Barnstable) was no longer available and the project had to be completed by a mechanical dredging company, (3) the town of Provincetown's project was postponed due to the material disposal concerns and (4) the town of Falmouth's Megansett Approach channel project was postponed due to permitting delays. These postponed projects resulted in an estimated loss of \$350,000 of revenue to the dredging program.

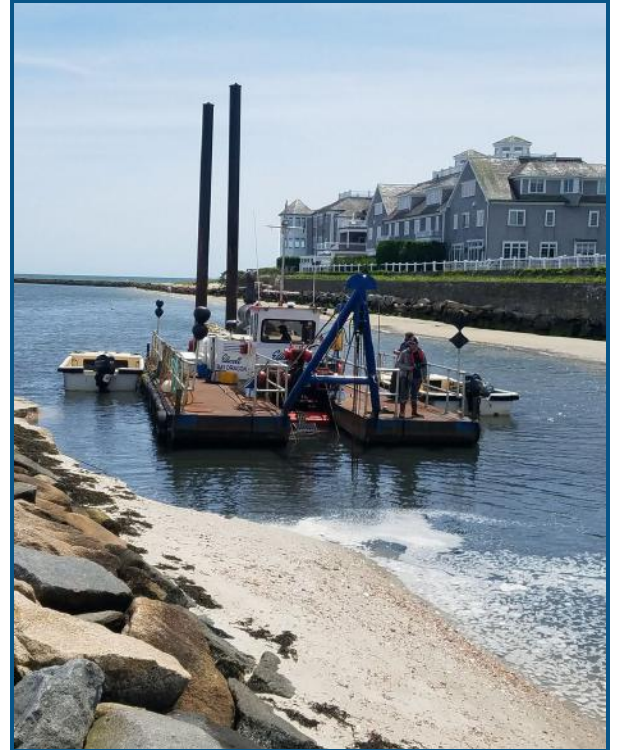
## HIGHLIGHTS

- The Cod Fish I was declared surplus and was sold in June for \$180,000.
- The Cod Fish II and the pushboat Bradbury were in the shipyard at the Fairhaven Shipyard.
- Critical operational spare parts for the dredges and booster pump were purchased this year. These parts were needed to have on hand to maintain the reliability of the dredge operations.
- One project completed this season worth noting was in the town of Bourne's Pocasset River. The material that needed to be dredged could not be used for beach nourishment (fine organics/muck), so the discharge options were limited. One option that was ultimately used was dredging the material into large geotextile bags that were placed in the marina parking lot. The dredged material settled in the bags while the clear water flowed back out into the river. After the material drained, it was removed from the bags and disposed of in the town's landfill. This method of dredging and disposal has great potential for other estuaries and embayments as well as lakes and ponds on the Cape that have similar material.



## FISCAL STATUS

The operating revenue for FY2023 was \$1,135,706.00

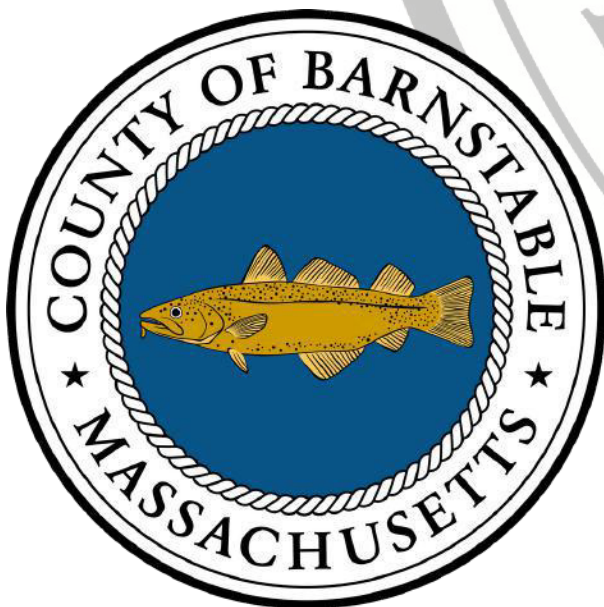






FY'22

# Report of the CAPE COD MUNICIPAL TRAINING ACADEMY





FY'22

# CAPE COD CENTER FOR PUBLIC SAFETY TRAINING

Superior Court House

P.O. Box 427

Barnstable, MA 02630

[www.barnstablecounty.org](http://www.barnstablecounty.org)

## REPORT OF THE CAPE COD CENTER FOR PUBLIC SAFETY TRAINING

*For the Period July 1, 2021 and ending June 30, 2022*

### ADMINISTRATION

**Jeff Holmes, Fire Training Lead Instructor**

[jeff.holmes@barnstablecounty.org](mailto:jeff.holmes@barnstablecounty.org)

**Peter Carnes, Director - Cape Cod Municipal Police Academy**

[peter.carnes@barnstablecounty.org](mailto:peter.carnes@barnstablecounty.org)

**Wayne Sampson, Deputy Director - Cape Cod Municipal Police Academy**

[wayne.sampson@barnstablecounty.org](mailto:wayne.sampson@barnstablecounty.org)



Barnstable County's Center for Public Safety Training programs continued to evolve in Fiscal Year 2022. During this year, the Public Safety Training department had two divisions – police training and fire training.

In Fiscal Year 2022, the Cape Cod Municipal Police Academy (CCMPTA) offered its last Officer Recruit class. The Police Academy will henceforth be operated by the state. Since 2019, the Academy has trained 225 officers.

In Fiscal Year 2022, Public Safety continued steps forward in implementing mobile training to fire departments across Cape Cod.

Barnstable Fire Department: 19 firefighters completed the Mobile Burn Trailer training.

Bourne Fire Department and Onset Fire Departments: 47 firefighters completed the Forcible Entry Door training.



Bourne Fire Department and Onset Fire Departments: 47 firefighters completed the Forcible Entry Door training.

Centerville-Osterville-Marstons Mills (COMM) Fire Department: 40 firefighters completed the Forcible Entry Door training, and 43 firefighters completed the Mobile Burn Trailer training.

Dennis Fire Department: 40 firefighters completed the Mobile Burn Trailer training, 32 firefighters completed the Roof and Ceiling Prop training, 36 firefighters completed the Forcible Entry Saw Module training, and 28 firefighters completed the Forcible Entry Door training.

Eastham Fire Department: 20 firefighters completed the Mobile Burn Trailer training, and 13 firefighters completed the Forcible Entry Door training.

West Barnstable Fire Department: 25 firefighters completed the Mobile Burn Trailer training.

During FY22, a total of 250 firefighters completed the Mask Fit training from the following fire departments: Hyannis Fire Department, Yarmouth Fire Department, Dennis Fire Department, and Eastham Fire Department.