

BARNSTABLE
TOWN SERVICES REPORT
Fiscal Year 2011
(July 1, 2010 – June 30, 2011)

Cape Cod Commission

Planning, Community Development, and Technical Services

- The Commission provided technical assistance to Barnstable to study options to guide redevelopment along Route 132 as part of the community's long-range planning efforts. This key regional roadway provides direct access to the Cape's largest regional shopping district and is a vital connection to and from Hyannis, the municipal airport, and other transportation centers to the Cape and Islands. The Commission completed the work, which included developing access management, traffic safety, design, and infrastructure improvements, using a state-funded District Local Technical Assistance (DLTA) grant.
- The Commission provided technical assistance on and maps for Barnstable's Multi-Hazard Mitigation Plan update, which FEMA conditionally approved pending local adoption (anticipated in August 2011).
- The Commission's Planning Committee granted preliminary certification of the Barnstable 2010 Local Comprehensive Plan update.
- The HOME Consortium made two down payment/closing cost loans totaling \$13,205 to low-income first-time homebuyers in Barnstable.
- The HOME Consortium closed on a \$150,000 HOME loan to the Preservation of Affordable Housing for its acquisition, rehabilitation, and preservation of 124 affordable rental units at Cromwell Court.
- The HOME Consortium made a conditional commitment of \$125,000 in HOME funds to Dakota Partners for the new construction of 60 affordable family rental units at the Village Green development.
- Through the state-funded District Local Technical Assistance program, the Commission provided \$12,250 for the development of plans and maps to extend the Cape Cod Rail Trail through a section of Barnstable.
- The Commission conducted 32 automatic traffic-recorder counts on road segments and one turning-movement count at an intersection in Barnstable.
- The Commission continued to evaluate and discuss options identified in a roadway safety audit for the intersection of Route 28 and Bearnse's Way.
- With data collected by staff members aided by an AmeriCorps Cape Cod member, the Commission identified the location of private wells in Barnstable to ensure the protection of private water supply wells from herbicide spraying adjacent to NSTAR utility rights-of-way (ROWs).
- The Commission worked with the West Barnstable Fire Department to design a web-mapping application that shows sensitive areas that are inappropriate for the disposal of flame-retardant chemicals.

- The Commission continued to support the town’s work on its Comprehensive Wastewater Management Plan and related activities.
- The Commission organized forums as part of its “Watershed Tour,” to build public awareness and support for watershed-based wastewater planning in these watersheds in Barnstable:
 - the Three Bays watershed (Barnstable, Sandwich, and Mashpee)
 - the Popponesset Bay watershed (Barnstable, Sandwich, and Mashpee)
 - the Lewis Bay watershed (Barnstable and Yarmouth)

The watershed initiative emphasizes the regional scope of watershed dynamics and encourages citizens to look past their town’s boundaries when considering solutions for wastewater treatment. At the forums, the Commission distributes localized maps and information to better acquaint citizens with their watersheds, and shares data and concepts from the Commission’s work to develop a regional wastewater management plan. The ultimate goal of these forums is to work with citizen stakeholders to develop cost-effective and appropriately scaled wastewater solutions to benefit and preserve Cape Cod’s environment and economy for the future.

- The Commission conducted the annual Pond and Lake Stewardship (PALS) freshwater ponds sampling snapshot for Aunt Betty’s, Bearse, Bog, Eagle, Garrett’s, Hamblin, Hathaway, Hinckley, Joshua, Lewis, Little Parker, Long, Lovells, Lumbert Mills, Mary Dunn, Micah, Middle, Mill, Muddy, Neck, Parker, Red Lily, Round, Rushy Marsh, Schoolhouse, Shallow, Shubael, and Stoney ponds; Crystal, Mystic, and Wequaquet lakes; and Lake Elizabeth.
- The Commission organized water education festivals for students in Barnstable, Centerville, and Hyannis schools.

Regulatory Activities

DRI Mitigation Funds in Fiscal Year 2011

- The Commission provided \$30,032 for the town’s hazardous materials education program; \$12,250 for development of plans to extend the Cape Cod Rail Trail through a section of Barnstable; and \$5,000 for a traffic-alternatives plan for West Main Street/Hyannis.

DRI Decisions in Fiscal Year 2011

- BJ’s Wholesale Club Addition – The Commission approved a Limited DRI Review scope for a proposed 19,438-sq.ft. addition to the existing wholesale club facility on Attucks Lane in Hyannis on 2/8/11.

Other DRIs

- The Village at Barnstable – The Commission approved a Development Agreement on 10/14/10.

DRI Minor Modifications

- Barnstable Municipal Airport – The Commission approved two minor modifications, one on 7/1/10 to address technical corrections, and one on 5/6/11 to alter the 2007 DRI decision to allow for the use of a different type of light fixture.
- BJ’s Wholesale Club – The Commission approved a minor modification to allow a reduced schedule for reporting hazards materials/wastes in the store’s inventory and to change the parking area and external drainage basin connected to the fire suppression system on 8/16/11.

- Atlantis/Super Stop & Shop – The Commission approved a minor modification to allow realignment of a driveway on 11/1/10.

DRI Reviews Ongoing at Year End

- BJ’s Wholesale Club Addition – a proposed 19,438-sq.ft. addition to the existing wholesale club facility on Attucks Lane in Hyannis under a Limited DRI Review scope.

Other Regulatory Assistance

- Craigville Beach District of Critical Planning Concern (DCPC) – The Commission voted unanimously to adopt implementing regulations for the district on 10/28/10; the Barnstable County Assembly of Delegates approved and adopted them as county ordinance on 1/19/11. The DCPC, originally designated in May 2008 and re-designated in November 2009, includes a barrier beach along Nantucket Sound, an estuary system behind it, and freshwater ponds, and it encompasses many summer homes and cottages and a former “Christian Camp Meeting” area, which is recognized within a National Register Historic District. The 2011 implementing regulations, adapted by the Commission from the town’s own draft, address zoning regulations, environmental regulations, site development standards, and septic system pumping and reporting requirements, and discourage the installation of public wastewater infrastructure in the DCPC’s barrier beach area. The added measures protect associated estuaries, limit wastewater disposal to groundwater and mitigate future storm damage to wastewater infrastructure, thereby protecting public investment.
- The Commission submitted comment letters to the Massachusetts Environmental Policy Act (MEPA) Office on (1) the Environmental Notification Form for the Barnstable Airport Master Plan (9/8/10), and (2) the Lower SEMA 345Kv Electric Line in Bourne, Sandwich, and Barnstable (10/25/10).

Cape Cod Cooperative Extension

- In response to a request by the Barnstable Fire Department and Conservation Department, a consulting forester on contract with Cape Cod Cooperative Extension, developed a wildfire protection and preparedness plan for the Old Jail Lane Conservation area. This nearly 500-area parcel runs between the mid-cape highway and Route 6A from Old Jail Lane to the Cape Cod Community College. A \$12,000 grant was provided to the town to begin implementation of the plan. Development of fire roads, fire fighter safety areas and fuel reduction work continues as a result of the grant.
- The Barnstable Land Management Department received a \$510.00 grant from the FY 2011 Barnstable County Land Management Grant Program. These funds were used to purchase native plants for the town’s Coastal Mitigation Nursery in Craigville.
- The Coastal Processes Specialist published and distributed educational information to the Conservation Commission agent of the town. These materials consisted of a Biological Erosion Control Extension Bulletin (4 pages) and a Coastal Managers Guide to Longshore Sediment Transport (46 pages).
- One hundred fifty-one people of all ages visited the Coastal Explorer at Centerville Library one day in July, while 15 children and 4 adults participated in a fish printing class held there in August.

- Three children and 1 adult participated in a marine science program about animal camouflage at Marstons Mills Library in July, and 5 children and 3 adults attended a shark program at Cotuit Library in August.
- Two hundred thirty-four students in grades K-3 at Centerville Elementary participated in 12 marine science classes offered through the Coastal Explorer vehicle in October. Teachers were provided with the *Coastal Explorer Curriculum Guide*.
- Fifty students in grade 3 at Centerville Elementary participated in 3 sessions of “Whale in the Classroom” during one day in February. Teachers were provided with the *Whale in the Classroom Curriculum Guide*.
- Two hundred sixty-one students in grades K-3 at Barnstable West-Barnstable Elementary participated in 12 marine science classes offered through the Coastal Explorer program in May. Teachers were provided with the *Coastal Explorer Curriculum Guide*.
- The Town of Barnstable has four active 4-H clubs focused on such activities as equestrian science, dog handling and training, small animal and pet care, theater arts and community service. Approximately 100 youth members, ages 6-19, and adult volunteer leaders are actively involved in 4-H club projects, county and state fairs, contests and presentations.
- 57 youth members and adult volunteers of Barnstable County 4-H participated in 4-H Horse Clinics at CJ’s Ranch in West Barnstable, home to a 4-H horse club. Barnstable County 4-H’ers received awards in Fitting & Showmanship and Champion divisions while participating in 4-H Horse shows.
- The Barnstable/West Barnstable Elementary School is the host site for the County 4-H Visual Presentation Day. Over 66 youth and 19 adult volunteers participated in an evening of judged public speaking competitions. Fourteen 4-H members were selected to compete at the State Visual Presentation event. Among those competitors, 4 received Blue Rosettes and 6 won Red Rosettes.
- A Resume and Portfolio Workshop was conducted for 4-H teens, leaders, and parents. Participants shared valuable tools for writing resumes to use in applications to national 4-H events, colleges, or jobs.
- The Horse Bowl and Hippology Contest is an annual 4-H program. All of Barnstable County’s 4-H Horse clubs were represented this year. Four juniors and four seniors earned the right to represent Barnstable County at the State Contests. In addition, eight volunteers contributed their time and energy to the event.
- Barnstable County 4-H has an 11-year partnership with the Barnstable Public School’s 21st Century Learning Community grant issued through the Department of Elementary and Secondary Education. The grant serves children in school at Hyannis West Elementary, Barnstable Intermediate and Barnstable High Schools who have identified, in some way, as being at risk. This year the county reached 44 students after school at the TNT program at the high school, through short-term programs like Teen Cuisine, Arts Revival, Adventures in Play, Gardening, and Collaborative Art. 58 students at the Intermediate School (the RAP program) took part in the National 4-H Science Experiment, Cooking at the Senior Center, Arts revival, There’s No New Water (a 4-H water quality curriculum), as well as community service projects at the Senior Center, including the Turkey Trot and Have a Heart (both involve making, baking and packaging cookies for senior events and home bound seniors), and

gardening and Intergenerational Sewing programs. An additional community service project this year was “Lights On Japan”, an effort that netted 425 of batteries, 43 children’s books, \$125.00 cash, and a disposable camera...with a dollar value of \$1039.88!

- As a result of our relationship with the Barnstable Public schools, 8 scholarships were provided (at \$150.00 each) for students to attend a 3-day Summer of Science conference at UMASS/Amherst in June of 2011. A 4-H Educator accompanied the students by bus (also paid for through 21st Century money) to the Academy, and students attended a number of workshops including Environmental Focus, Engineering, Robotics, DNA (taught by staff from Children’s Hospital in Boston), Veterinary Science and so much more. Students will now serve, as youth leaders and will help conduct future experiments in the tracks that they attended!
- The 4-H Sewing Program during the summer of 2010 was a lively crowd of about 16 students and teachers, and the fall program served about 11 students, some attending from outside of Barnstable, and several adult volunteers. This program is under the direction of Lorraine Fraser, a former state clothing Revue winner (in 1953) and an accomplished seamstress and needle arts teacher. About 6 seniors provided regular support to this program, and we are very grateful to the Senior Center for their hospitality and support!
- Another program of distinction was the 4-H Enrichment Cluster project “Blankets for Babies”. 11 students helped to cut and tie 8 baby blankets and fleece pillows for distribution to children who are suffering an illness or who have experienced a loss. Some of the blankets were donated to the VNA Hospice and Palliative Care Program and it is reported that they brought smiles to several sad faces.
- A 4-H fall cooking program was also conducted at the Senior Center. Students from the Intermediate School walked over with an advisor and learned how to cook a variety of healthy recipes with long-time volunteer Nancy Mc Dermott, who is also a very energetic and dynamic retired Home Economics teacher.
- A 4-H Science club met monthly at the Marstons Mills Library, conducting monthly science experiments and having a lot of fun! This club follows the school year calendar, and will resume again in the fall of 2011.
- 15 new Peer Leaders were trained in our collaboration with Project Forward at Cape Cod Community College. After a day of training, students then write and deliver a speech/visual presentation on living with a disability. They are then available to make speeches at schools and youth serving organizations in an effort to increase the education and awareness of the public on these issues.
- Project Forward at Cape Cod Community College also uses our Babysitting program to beef up the skills of their Child Care students, and 58 new babysitters were trained between September and June!
- Centerville Library hosted a 4-H Babysitting Course in June of 2011 to a whopping 20 participants, with a waiting list for a program in the near future! This library is a long-time 4-H partner, and we also participate in their annual Earth Day Celebration. This year, our contribution was Trash or Treasure? compliments of Allyson Bizer Knox.
- Another Babysitting Course was held at St. Francis Xavier School in January of 2010 to 14 participants. This program has now been running for about 6 consecutive years.

- The Town of Barnstable received 195,000 2-3mm hard clam (quahog) seed in FY 2011 through the Barnstable County Municipal Shellfish Propagation Program. Value of this seed at time of dispersal was \$1,560.00. Additionally, Barnstable received 200 bags of remote-set oysters, also funded through the Barnstable County Municipal Shellfish Propagation Program. It is estimated that each bag contained a minimum of 1000 juvenile oysters. Value of these bags of remote-set at time of dispersal was \$2,300.00.
- Barnstable took advantage of the bid price established by the County and purchased another 205K quahog seed and 300 more bags of oyster remote-set.
- One shellfish culturist was chosen and funded at \$1,000.00 to be part of the 2011 SEMAC Research Farm Network which focused on a comparison of triploid (seedless) oysters and conventionally grown diploid oysters.
- The marine program staff deployed a long term YSI water quality monitoring station within Cotuit bay, which provides real time information and data via satellite link. Another YSI water monitoring instrument is located at a Barnstable Harbor location to allow comparisons between north and south sides of the Cape. These instruments are utilized by shellfish farmers, fishermen, boaters, and the public at large.
- Sites in Barnstable Harbor continue to be used for shellfish disease research, especially QPX.
- For the seventh consecutive year, a site in Barnstable Harbor continues to be used for ongoing long-term shellfish habitat assessment. This quantitative assessment has future use when considering dock or dredging projects, can optimize shellfish restoration efforts, assist with shellfishery management decision making and help the shellfish farmers maximize their yields.
- One farmer received a SEMAC mini-grant for \$4,132 to grow freshwater prawns in a recirculating system.
- The fisheries and aquaculture specialist presented information on shellfish aquaculture and disease at public meetings.
- Marine staff provided technical and logistical support for scientific research by WHOI and MBL within Barnstable Harbor.
- Marine staff responded to concerns about shellfish diseases, red-tide and provided information and technical assistance to town personnel, aquaculturists, and local citizens.
- Household hazardous waste collections conducted in Barnstable in 2010 provided the following data: 383 cars and 527 households participated in two HHW collections. A total of 5,045 gallons / 24,670 pounds of hazardous waste was collected at the collections. Year round residents comprised 91% of participants, 36% of participants were participating for the first time in the collection, and 9% of participants brought waste that was left in their home when they bought it. Funding for the collections was originally eliminated from the town budget, but was later restored resulting in lower participation rates. Preliminary data from 2011 indicates an average of 300 cars will participate in four collections during calendar year 2011.
- The Cape Cod Cooperative Extension mercury collection program collected the following items in the Town of Barnstable in 2010: 28 fever thermometers, 6 lab thermometers, 436 thermostats, 5 electric switches, 7 float switches, and 4.7 pounds of elemental mercury.

- A total of 294 road and marine flares were collected in the Town of Barnstable by Cape Cod Cooperative Extension in 2010.
- A total of 442 sharps containers were paid for and provided by Cape Cod Cooperative Extension to the Town of Barnstable in 2010 for distribution to the general public. The disposal cost for all full sharps containers returned to the town was paid for by Barnstable County / Cape Cod Cooperative Extension.
- Twelve teen parents attended a program on Fast, Easy and Healthy Cooking sponsored by Cape Cod Child Development in Hyannis. The workshop addressed feeding young children, trying new foods, healthy cooking methods, healthy “fast food”, and how to handle the picky eater.
- Nutrition education materials as well as a display were provided twice to adults and children at the Hyannis Farmer’s Market in collaboration with Cape Cod WIC to promote the use of farmer’s market checks distributed to families and to encourage healthy cooking using produce in season.
- Five separate “Cooking with Kids” workshops were conducted for 20 families in the Families United Network (FUN) targeting toddler and preschool aged children and their families. Program titles included “Play with Your Food”, “Rainbow on Your Plate”, “Family Picnic”, “Healthy Celebrations”, and the “Grocery Store Scavenger Hunt”.
- Body Walk, an interactive educational exhibit, was conducted at Centerville Elementary School and Barnstable Community Horace Mann Charter Public School. Body Walk features an eleven-station tour of the body, from brain to mouth, stomach, small intestine, heart, lungs, bones, muscles, and skin with a focus on the role of nutrition along the way. A total of 157 students experienced the exhibit. Follow-up activities for use in the classroom were provided to each participating teacher. Additionally, take home materials were developed and provided to every student, allowing them to share the messages with parents.
- Nutrition educator participated in Cape Cod WIC’s Nutrition Program Open House. Samples of smoothies and other recipes utilizing foods available through the WIC program were made available to participants.
- “Rainbow on Your Plate” a series of two nutrition lessons has reached 60 Head Start preschool aged children and classroom teachers in four separate classrooms. Emphasizing consumption of fruits and vegetables, these lessons also provide opportunities for physical activity and tasting new foods. Classroom materials and take-home folders are provided to reinforce the nutrition messages both in the classroom and at home.
- Nutrition educator participated in two separate Biometric Screenings offered by the Cape Cod Municipal Health Group. Nutrition education through a display, one-on-one conversations, educational materials, and food demonstrations was made available in conjunction with health screenings.
- One series of the Health Improvement Program (HIP) offered in collaboration with Cape Cod Municipal Health Group, reached 33 municipal employees and spouses through the six-week series of classes conducted. The program goals include health improvements for participants based on behavioral changes in dietary habits and physical activity promoted through pre- and post-health screenings and twelve 2-hour classes.

- Approximately 10 older adults attended a single session workshop entitled Cooking for One (or Two) held at Barnstable Senior Center.
- One part-time nutrition educator has been contracted through the Family Nutrition Program (FNP) to teach elementary students in an after-school program entitled Kids in the Kitchen. A total of 32 children in grades 1 through 4 have participated in three series of 6 lessons each at Cape Cod Child Development's School-Age Program in Hyannis. The lessons are aimed at improving food choices, incorporating physical activity, and increasing awareness of safe food handling practices.
- As part of the Family Nutrition Program, three Healthy Holidays sessions were conducted for a total of 51 children in the Cape Cod Child Development's School-Age program in Hyannis. The drop-in sessions promoted winter fitness ideas and giving gifts of healthful holiday foods.
- As part of the Family Nutrition Program, three single session summer workshops were conducted at Hyannis West Elementary School for a total of 21 children in grades 1-4.
- Weekly nutrition-related activities and a snack demonstration made approximately 270 educational contacts of children ages 4-16 at the Faith Assemblies Church and Cromwell Court as part of the Summer Food Program. Supporting take-home materials regarding fruits and vegetables were made available to all participants, family members, and staff. Approximately 365 youth participated in nutrition-related activities offered at the Kickoff events and End-of-Summer events offered at these two sites.
- Six issues out of the yearlong series of *Pumpkin Post & Banana Beat* newsletters have been distributed in collaboration with Barnstable elementary schools to 425 families with children in kindergarten. The *Pumpkin Post* series is an educational newsletter including recipes and regular columns on child feeding challenges, seasonal foods, physical activity, and menu ideas. The series of six newsletters focus on themes about breakfast, fitness, fruits and vegetables, healthy lunches, goal setting and holiday eating.
- Nutrition educator administered the ServSafe examination for approximately 80 Barnstable High School students. ServSafe, a food sanitation certification program through the National Restaurant Association fulfills the 1999 Food Code requirements set forth by the Massachusetts Department of Public Health.
- The horticulturalist served on the Rt. 6A Tree Committee headed by Councilor Ann Canady.
- A Master Gardener volunteer coordinates the Long Pond Community Gardens.
- Master Gardeners made six presentations to civic groups in the Town of Barnstable.
- Three soil test clinics were conducted in the Town of Barnstable.
- Four hundred six residents received technical information through the Plant Clinic via phone call, office visit, fact sheet, or soil test.
- Four 4-Poster Deer Feeding stations were maintained in the Bridge Creek Conservation area during FY2011. Stations were activated to allow interaction with deer between mid-Sept. and mid-November 2010, and again between mid-March and mid-June 2011. Tick sampling was conducted in October 2010 and during June/July 2011.

- Educational materials for distribution included wallet cards and rack cards. These materials contain key information on tick identification, life cycle and prevention tips for tick bites and lowering the risk of tick-borne illnesses such as Lyme.
- Distribution points included Town Halls including all Department of Health Offices, Chambers of Commerce, Public Libraries and golf courses. Golf courses were offered signs to post to alert people about tick habitat and precautions. Each distribution point was visited between May and June as the highest risk period for Lyme disease approached (June – August). In general, each location received between 50 and 200 each of rack and wallet cards.

Children’s Cove

- Conducted 32 SAIN (Sexual Abuse Intervention Network) interviews.
- Provided counseling sessions to 45 child victims and their family members with referrals to community providers for long term treatment.
- Conducted 11 medical examinations for children at Children’s Cove.

Department of Human Services

- Human Services Committee: Summary of Human Condition data specific to the Town of Barnstable (Feb. 2011)
- Department co-sponsored forum on suicide prevention held at Barnstable High School (June 2010)
- Summary of substance abuse data for grant planning (Feb. 2011)
- MASS 211 presentation and training at Barnstable COA (May and June 2011)
- HRC: There was an active town representative on the HRC Town Representation Council. The HRC chair and coordinator met mid-year with the Boards of Selectmen at their regional meeting, and began a process to name a new representative to serve as a liaison between the town and the HRC, support human rights, and advise HRC about issues particular to the town.
- HRC: From March through June, human rights commissioners and the coordinator staffed an information desk (3 hours each Tuesday) at the Transportation Center and then at HYCC. This proved to be a convenient place for some persons (mostly from Barnstable town) to initiate conversations or cases with the HRC. About 10 cases were regarding immigration issues, while a few others centered on discrimination.
- HRC: Cotuit Center for the Arts - HRC collaborated on an art exhibition and various related events on the theme of Human Rights, at the Center (winter 2011.)
- HRC: Human Rights Academy. Barnstable High School has been a participant in this HRA for five years, and participated in this year just completed. In addition, private schools in this town (Sturgis, and Cape Cod Academy) have participated. John Paul II High deferred its entry to the program until all four grade levels were in place, and will be invited to join now that this has taken place.

Department of Health & Environment

- Provided comprehensive Indoor Air Quality (IAQ) services to five schools in district, including routine Operations and Maintenance (O&M) for air handling systems,

student complaints assessment/follow up, and two union complaint and follow-up. All these services tie into the on-going comprehensive Environmental Health and Safety (EHS) program with the schools.

- Conducted onsite comprehensive assessment for Osterville Elementary School which is changing over to the Cape Cod Collaborative new facility for profoundly disabled cape students.
- Conducted environmental asbestos, lead, PCB sampling for school district and extensive environmental assessment, saving the school district approximately \$25,000.
- Conducted preliminary environmental site assessment for Old Marstons Mills Elementary School for the purpose of assessing its prospective use as a town wide day-care center, saved town approximately \$7500.
- Provided 5 Indoor Air Quality (IAQ) assessments of DPW facilities and follow up in response to pro-active maintenance requests and/or union or employee complaints. Several of these regarded the potential of mold, lead or asbestos release during construction and renovation projects undertaken by the town.
- Responded to 56 referrals by the town (39 IAQ residential/housing, 11 IAQ commercial and/or retail, 3 commercial/industrial hazardous material and 3 residential hazardous materials issues). Twenty-One (21) of these required onsite visits and assessments and six (6) required written reports and follow-up.
- Conducted three lead paint assessments for housing assistance programs under the direction of State DPH and Housing Assistance.
- Assisted in three Fire Departments hazmat response as a technical assistant.
- Provided technical assistance to school in response to sewage release-approximate savings \$1800.
- Barnstable County Emergency Planning Committee (BCREPC) provided two mobile message boards for two community events in the Town of Barnstable.
- Presentation for the Parish Nurse Organization on babesiosis.
- Rotary Home Show “Safe Sun Education” Approx. 500 participants took part in the educational intervention.
- Barnstable Fire Academy Incident Command System (ICS) training-30 MRC volunteers.
- Presentation on Personal Preparedness and Adult Immunization to Immigrant Leaders at CCCC-15 participants.
- Basic Life Support CPR-10 participants.
- Recertification Pulmonary Resuscitation -12 participants.
- Hurricane -MRC Medical Team Staffed Barnstable High School Shelter
- MRC Training on Personal Preparedness -20 participants
- MRC volunteers staffed a medical tent for the Calmer Choice Road Race
- Radio Training for Barnstable MRC volunteers-20 participants
- Assisted the Town of Barnstable by achieving Tier 2 Hazardous Chemical Emergency Reporting compliance for 65 facilities.
- Provided the town’s Fire Departments with Tier 2 Hazardous Chemical Inventory Reports for their CAMEO (Computer Aided Management of Emergency Operations) databases and files.

- Provided EPCRA training and guidance for the 65 Tier 2 Hazardous Chemical Reporting facilities in the town.
- Assisted town Health Department staff in meeting the mandated deliverables of the CDC/MDPH Health Agents Coalition PHEP and PHER grants.
- Assisted in completing Emergency Dispensing Site (EDS) plans by meeting with BCDHE contracted nurse for Barnstable to confirm patient flow, traffic safety, site identification/feasibility, and the implementation of incident command system requirements.
- Worked with the Town Health Department and Fire Department to plan and implement the Barnstable Flu Vaccination Clinic under the Incident Command System (ICS) emergency preparedness guidelines.
- Coordinated and implemented the first “Halloween Safety Day” at West Barnstable Fire Department where approximately 250 town residents/families were educated on personal emergency preparedness and safety, pet emergency preparedness and general child safety.
- Coordinated the organization and delivery of 15 flu supply “go kits” for the town health department.
- Biometric Screening, Barnstable School Administration building, 25 attendees
- Biometric Screening, Barnstable and W. Barnstable elementary schools, 20 attendees
- Biometric Screening, Centerville, 7 attendees
- Biometric Screening, Barnstable Recreation building, 25 attendees
- Biometric Screening, Horace Mann Middle school, 32 attendees
- Tick and Lyme Program, Centerville Elementary, Grade 3, 61 attendees
- Tick and Lyme Program, Centerville Elementary, Kindergarten, 58 attendees
- Tick and Lyme Program, Kiddie Kollege Early Learning Center, 15 attendees
- Tick, Lyme, Mosquito, and Rabies Program, C.C. School Nurse Assoc. annual banquet, Hyannis, 30 attendees
- Barnstable High School, Annual Health Fair, Grades 8-12, Tick and Lyme, Skin Analyzer, Sun Safety, 400 attendees
- Tuberculosis testing at W. Barnstable Fire Dept. with 2 trips and 24 tests done
- Tuberculosis testing at Hyannis Fire Dept. with 8 trips and 48 tests done
- Tuberculosis testing at Cotuit Fire Dept. with 2 trips and 9 tests done
- Seasonal flu clinic at Barnstable Fire Dept. with 21 shots given
- Seasonal flu clinic at Barnstable Police Dept. with 42 shots given
- Seasonal flu clinic at Cotuit Fire Dept. with 29 shots given
- Seasonal flu clinic at Hyannis Fire Dept. with 56 shots given
- Seasonal flu clinic at West Barnstable Fire Dept. with 44 shots given
- Offered flu vaccine to Angel House, Carriage House, and Noah’s Shelter
- Secured a grant for the collection and laboratory analyses of marine beach samples. Sampling of marine water was conducted weekly at 16 sites; Kennedy Memorial, Covells Beach, Craigville Beach, Crocker's Neck, Dowses Beach, East (Town) Beach, Kalmus (Ocean), Kalmus (Yacht), Keyes Beach, Loops Beach, Millway Beach, Oregon Beach, Ropes Beach, Sandy Neck, Veterans Beach and Wianno Avenue. Samples were processed for detection of marine indicator bacteria Enterococci. The Barnstable Board of Health was notified immediately of bacterial

exceedences and retesting was conducted daily until bacteria levels were found to be within acceptable limits.

- Sampling of fresh water was conducted weekly at 7 sites; Hamblin Pond, Hathaway Pond, Joshua's Pond, Long Pond (Centerville), Lovell's Pond, Wequaquet Town, and Wequaquet Yacht Club. Samples were processed for detection of fresh water indicator bacteria *E. coli*. The Barnstable Board of Health was notified immediately of bacterial exceedences and retesting was conducted daily until bacteria levels were found to be within acceptable limits.
- Designed and commissioned the production of aluminum signs to meet new regulatory requirements mandated in 2010. Signs were purchased by the town of Barnstable for posting at all beaches.
- Created ClinicACE, an internet-based immunization clinic preregistration system and successfully pre-registered over 550 immunizations. Necessary immunization documents were printed by each registrant following completion of the registration process, saving the town valuable time on the day of the clinic.
- Compliance management of 70 innovative/alternative wastewater treatment units.
- Sent/received 22 correspondences involving 10 innovative/alternative wastewater treatment systems.
- Resolved one O&M contract non-compliance issue.
- Continued Carmody Innovative/Alternative(I/A) Septic System Database User Fee collection, invoicing I/A operators for 54 systems for which they are responsible for reporting to the database.
- Staff Sanitarians performed approximately 50 restaurant inspections. This total does not include other duties performed for the town possibly including but not limited to housing and hazardous materials inspections. Additionally, inspector aided in communication, distribution of information and inspections following a boil water order in the town.
- Coordinated County and Cape Cod Medical Reserve Corps nurse and volunteer staff scheduling for regional adult immunization clinic; 112 adult immunizations (shingles, Td, Tdap, MMR, varicella, Hepatitis A, Hepatitis B, pneumonia) given to Barnstable residents at no charge. Acted as an evaluator for the HSEEP compliant public health preparedness drill conducted at this clinic
- Worked with Barnstable Board of Health to develop plan for low cost interim upgrades of failing septic systems in areas planned for sewerage, to minimize costs to homeowners.
- Provided technical assistance to Barnstable Town Council Wastewater Committee regarding sewerage projects.
- Provided technical assistance on wastewater and coastal water quality to Coastal Resources Management Committee.
- Provided technical assistance and review of proposed wastewater disposal regulations to protect coastal waters to Barnstable Board of Health.
- Provided wastewater and coastal water quality education at several public events.
- Reported findings of all advanced onsite septic system treatment units to Board of Health in conjunction with town outreach on wastewater facilities planning.

- Presented Sun Safety education to over 100 adolescent and adult participants at Craigville Beach.
- Laboratory services saved town over \$7,000 in analytical fees.
- Secured home betterment loans for the correction of 88 septic systems within the town (\$833,731 in projects).

Fire & Rescue Training Academy

- Chainsaw Awareness
2 Firefighters
- Firefighter 1&2
10 Firefighters
- Fire Officer I&II
5 Firefighters
- Flashover
5 Firefighters
- ICS 100
20 Students
- ICS 300
2 Students
- ICS 400
1 Students
- Live Burn
29 Firefighters
- MHMT Tanker Operations
2 Firefighters
- RIT Basic
18 Firefighters
- Structural Firefighting
21 firefighters
- Thermal Imager
2 Firefighters
- WBFD Explorers
21 Students
- WMD Radiological/Nuclear Awareness
1 Firefighter

139 Students, \$37,150.00 Dollar Value, 416.5Day Value, 3,557 Hour Value

Resource Development Office/AmeriCorps Cape Cod

- Meetinghouse Farms Invasive Removal
Members removed invasive plants along the trail to open the trail and allow native species to grow.
- Long Pasture Land Management
Members cleared trails and property at the Long Pasture Audubon Site.
- Hazardous Waste Collections
Members helped to facilitate a hazardous waste collections organized by the Cape

- Cod Cooperative Extension.
- Tree Education Blitz
The entire 4th Grade class from Barnstable Horace Mann Charter School, over 400 students, were brought on fields trips to Meeting House Farm in West Barnstable where AmeriCorps members gave educational tours and taught lessons related to trees, organic and worm composting, and the natural resources at the town-owned farm.
- W.E.T. Festival, Hyannis West Elementary School
Members educated children about groundwater topics on Cape Cod using hands on activities.
- W.E.T. Festival, Centerville Elementary School
Members educated children about groundwater topics on Cape Cod using hands on activities.
- W.E.T. Festival, Barnstable Intermediate School
Members educated children about groundwater topics on Cape Cod using hands on activities.
- Survival Maze Construction
Members built a portable and reconfigurable maze for training use by the West Barnstable Fire Department.
- Oyster and Quahog Propagation
Members assisted the Department of Marine and Environmental Affairs with shellfish propagation and gear maintenance and construction.
- County Tree Nursery Rehabilitation
Members assisted with planting, pruning, and other tasks at the County Tree Nursery.
- Buttonbush Swamp and Boardwalk Maintenance
Members cleared invasives from a swamp and removed a seasonal boardwalk at Mass Audubon's Long Pasture Sanctuary.
- Disaster Fair
Members delivered lessons on disaster preparedness and response with Barnstable County and the West Barnstable Fire Department.
- 725 Main Street Cleanup
Members served with the Town of Barnstable Growth Management Department to weed and cleanup the community space at 725 Main Street in Hyannis.
- Disaster Supply Inventory and Organization
Members assisted the American Red Cross with inventory of shelter supplies.
- Herring Run Cleanup
Members helped the Town of Barnstable to remove debris and brush from a herring run in Marstons Mills.
- Scout Fair
Members delivered safety and preparedness lessons to local Boy and Girl Scouts with the American Red Cross.
- Protective Shorebird Fencing
Members assisted Mass Audubon's Coastal Water bird Program with installing protective plover fencing.
- East Bay Road Cleanup
Members removed invasives at a Barnstable Land Trust property in Osterville.

- Environmental Education Lessons
Members taught students at Barnstable Intermediate School, Barnstable Early Learning, and Barnstable West Barnstable Elementary School about topics including soil, composting, and recycling.
- Ropes Field and Bell Farm Land Management
Members removed invasives at two Mary Barton Land Trust properties in Cotuit.
- Eagle Pond Trails
Members spread woodchips along a network of trails in the Eagle Pond conservation area.
- River Day
Members performed the Green Ribbon Puppet Show and ran educational booths at the community event in Marstons Mills.
- Trail Maintenance
Members cleared trails and removed debris with the help of Project Forward.
- Coastal Mitigation Nursery Maintenance
Members cleaned and weeded the Town's Coastal Mitigation Nursery
- Cape Cod Cooperative Extension Shellfish Relay
Members helped move bags of shellfish cultch back to the nursery in Dennis.
- Green Ribbon Puppet Show
Members performed a recycling puppet show at West Barnstable Elementary and for the Barnstable Early Learning program.