

# 2013 University of New Hampshire Extension Plan of Work

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## I. Plan Overview

### 1. Brief Summary about Plan Of Work

The University of New Hampshire Cooperative Extension (UNHCE) provides New Hampshire residents with research-based information, enhancing their ability to make informed decisions that strengthen youth, families and communities, sustain natural resources, and improve the economy. As a University outreach program, the network of professional Extension staff resides in all ten New Hampshire counties. County staff work with local volunteers and specialists on the University of New Hampshire (UNH) campus to design and conduct educational programs that meet societal, environmental, and economic needs. While many of our programs are conducted locally, we also use current communication technologies including computer networking, the Internet (including eXtension), and interactive video conferencing. As part of the national land-grant university system, we also access the knowledge and expertise of other state land-grant universities throughout the United States. The University of New Hampshire serves the state as the principle land-grant university charged by Congress to conduct resident instruction, research, and outreach to people beyond the formal classroom.

With a total state population of 1.3 million people, Extension reaches a quarter of these individuals through educational programs. On July 1, 2011, the University of New Hampshire Cooperative Extension (UNHCE) experienced a 23 percent cut in its state allocation amounting to a reduction of \$1.7 million. Subsequently, after some staff retirements, resignations and reductions in force, we now have 23 fewer staff members than 1 year ago, which creates serious gaps in our ability to provide priority programming throughout the state.

To explore ways to handle this challenge, Dean and Director, John Pike appointed a team from around the state and different parts of UNH to advise him on ways to reinvent, reconnect and reinvigorate our work. Despite the tough financial situation, this team was challenged to find new ways to deliver our programs that were both more efficient and more effective in creating value for program participants and also for the taxpayers. While they were asked to carefully study the lessons from other states, the focus remained on the needs of N.H. and to create a system to address these needs. Many constructive suggestions were received at the October regional meetings with all staff and many stakeholders and were tremendously helpful in developing the final plan.

This updated POW reflects only some of the changes that are expected as a result of the reorganization. We will now be organized into four program teams: Food and Agriculture, Natural Resources, Community and Economic Development and Youth and Family.

#### Estimated Number of Professional FTEs/SYs total in the State.

Year	Extension		Research	
	1862	1890	1862	1890

**Estimated Number of Professional FTEs/SYs total in the State.**

Year	Extension		Research	
	1862	1890	1862	1890
2013	69.0	0.0	0.0	0.0
2014	69.0	0.0	0.0	0.0
2015	69.0	0.0	0.0	0.0
2016	69.0	0.0	0.0	0.0
2017	69.0	0.0	0.0	0.0

**II. Merit Review Process**

**1. The Merit Review Process that will be Employed during the 5-Year POW Cycle**

- External Non-University Panel

**2. Brief Explanation**

County and state advisory committees, comprised of stakeholders and legislators are asked annually to review updates to county and state plans as part of their role in the process. Integrated research efforts that involve Extension are peer reviewed by appropriate scientific panels based on the project and funding source. For example, all integrated Agriculture Experiment Station research projects at the University of New Hampshire (UNH) go through external peer review (two faculty members from outside of UNH) and internal review via the Research Advisory Committee (RAC) composed of five faculty members within the College of Life Sciences and Agriculture.

**III. Evaluation of Multis & Joint Activities**

**1. How will the planned programs address the critical issues of strategic importance, including those identified by the stakeholders?**

UNH Cooperative Extension's program plan of work addresses high priority needs in New Hampshire identified through on-going counsel with local and a state-wide advisory councils. In addition, Advisory Council members, county and state staff, faculty, and other stakeholders took part in a program review process in 2011. Results of this program review were used to determine program priorities that would be continued in a reorganized UNH Cooperative Extension. These program reviews included focus groups, web-based stakeholder surveys and staff surveys as well.

## **2. How will the planned programs address the needs of under-served and under-represented populations of the State(s)?**

UNH Cooperative Extension staff are committed to increased programming for under-served and under-represented audiences in New Hampshire. These individuals participate mainly through program efforts in Nutrition Connections, part of the state's welfare reform effort. 4-H after school programs also involve a significant number of under-served families. Staff working in these programs build trust and rapport with under-represented audiences, and help Extension advisory councils understand the audiences' needs and circumstances.

Over the past decade, more than 10,000 refugees and immigrants, speaking more than 72 languages, have settled in Manchester, New Hampshire's largest city. Extension staff have made tremendous efforts to identify, understand, develop relationships with, and help members of these populations through non-formal education. Youth & Family and Food & Agriculture Educators in the two New Hampshire counties with the highest immigrant populations are delivering programs for refugee families aimed at helping families understand American culture and providing the necessary support for them to transition successfully to life in New Hampshire. Parenting and life skill programs are providing information as basic as US currency and how to enroll children in school and community gardening programs for youth and adults not only provide fresh produce and help lower the cost of weekly grocery bills, but also helps the new arrivals connect with each other and their new homeland.

## **3. How will the planned programs describe the expected outcomes and impacts?**

The NH 2012-2017 Plan of Work is built around a well-researched and popular model for educational program development called the logic model. Logic models have been used by many organizations as a framework for planning, implementing, evaluating, and communicating results of educational programs. UNHCE staff have been trained to develop educational programs using a logic model framework and have been submitting individual and team logic models in New Hampshire since 2004. Each program logic model is updated annually. The plan is designed to articulate long- (condition change) , medium- (action) and short-term (learning) outcomes and planned outputs (activities) that lead to these outcomes. In order to provide clear target performance measures for each outcome, impact indicators for most action and learning outcomes have been articulated and evaluation plans have been developed. Impact indicators are written similar to SMAART objectives (specific, measurable, audience-directed/ambitious, realistic, and time-bound) and will provide a clear measure of associated outcomes. Impact indicators in this plan provide the link between each outcome and associated outputs and will be the basis of our impact reporting system. Detailed logic models that articulate all of the expected outcomes of New Hampshire's Extension programs have been developed, however it is not realistic to evaluate each and every outcome in each plan. The planned programs submitted here represent only targeted, focused outcomes we expect to measure and report on over the next five years.

## **4. How will the planned programs result in improved program effectiveness and/or**

Program development using the logic model requires the planner to closely examine the relationship between outputs and desired outcomes of a program. In doing so, extraneous activities that do not lead to desired outcomes can be revised, eliminated, or spun off to another organization more appropriate to be conducting the activity. Formative evaluation plays a key role in determining whether or not a program is being implemented effectively and how it might be improved and on-going evaluation of this type will enable Extension staff to make modifications to their programs on a regular basis, constantly improving program effectiveness. Newly defined UNH Cooperative Extension program teams bring expertise together to work on critical issues that require multiple perspectives and innovative teaching

methods. Programs that have a multidisciplinary scope are expected to be more effective and make a more efficient use of staff time and resources because they will make better use of existing staff expertise to solve the problems and address challenges of the people of New Hampshire. A web-based planning and reporting system has been developed to integrate disciplinary and interdisciplinary outcomes, insuring a comprehensive and efficient system to meet the most critical issues identified by stakeholders and staff.

#### **IV. Stakeholder Input**

##### **1. Actions taken to seek stakeholder input that encourages their participation**

- Targeted invitation to traditional stakeholder groups
- Targeted invitation to traditional stakeholder individuals
- Targeted invitation to selected individuals from general public
- Survey of traditional stakeholder groups
- Survey of traditional stakeholder individuals
- Other (Advisory Council Meetings)

##### **Brief explanation.**

Stakeholders were encouraged to provide input to UNH Cooperative Extension in a variety of ways and in a variety of locations. Each county meets regularly with their County Advisory Council and the State Advisory Council (made up of members from each county, and representatives from various partner organizations) meets quarterly.

In addition, Advisory Council members, county and state staff, faculty, and other stakeholders took part in a program review process in 2011. Results of this program review were used to determine program priorities that would be continued in a reorganized UNH Cooperative Extension. These program reviews included focus groups, web-based stake holder surveys and staff surveys as well.

##### **2(A). A brief statement of the process that will be used by the recipient institution to identify individuals and groups stakeholders and to collect input from them**

##### **1. Method to identify individuals and groups**

- Use Advisory Committees
- Needs Assessments

##### **Brief explanation.**

Identification of stakeholders and groups is accomplished primarily through local and state-wide advisory committees. Care is taken to recruit advisory committee members that represent a broad array of interests, background, and residency, including youth and under served audiences.

**2(B). A brief statement of the process that will be used by the recipient institution to identify individuals and groups who are stakeholders and to collect input from them**

**1. Methods for collecting Stakeholder Input**

- Meeting with traditional Stakeholder groups
- Meeting with traditional Stakeholder individuals
- Survey of selected individuals from the general public

**Brief explanation.**

UNH Cooperative Extension's program plan of work addresses high priority needs in New Hampshire identified through on-going counsel with local and a state-wide advisory councils. In addition, Advisory Council members, county and state staff, faculty, and other stakeholders took part in a program review process in 2011. Results of this program review were used to determine program priorities that would be continued in a reorganized UNH Cooperative Extension. These program reviews included focus groups, web-based stakeholder surveys and staff surveys as well.

**3. A statement of how the input will be considered**

- To Identify Emerging Issues
- Redirect Extension Programs
- In the Staff Hiring Process
- In the Action Plans
- To Set Priorities

**Brief explanation.**

UNH Cooperative Extension's program plan of work addresses high priority needs in New Hampshire identified through on-going counsel with local and a state-wide advisory councils. In addition, Advisory Council members, county and state staff, faculty, and other stakeholders took part in a program review process in 2011. Results of this program review were used to determine program priorities that would be continued in a reorganized UNH Cooperative Extension. These program reviews included focus groups, web-based stakeholder surveys and staff surveys as well.

## V. Planned Program Table of Content

S. No.	PROGRAM NAME
1	Natural Resources
2	Food and Agriculture
3	Youth and Family
4	Community and Economic Development
5	Food Safety
6	Childhood Obesity
7	Global Food Security and Hunger
8	Climate Change
9	Sustainable Energy

**V(A). Planned Program (Summary)**

**Program # 1**

**1. Name of the Planned Program**

Natural Resources

**2. Brief summary about Planned Program**

Managing and protecting New Hampshire's natural resources is critical to a healthy environment, quality of life, the tourism industry, as well as current and future economic opportunities. UNHCE provides research, education and stewardship throughout the state with a "boots on the ground" approach in extending state-wide programs in forestry and wildlife, natural resource development, land and water conservation and marine fisheries. Examples include promoting "Good Forestry in the Granite State" in partnership with the NH Division of Forests and Lands; the "Wildlife Action Plan", a collaboration with NH Fish and Game; the Natural Resource Outreach Coalition, which focuses on communities within NH's coastal watershed; and the Lakes Lay Monitoring Program which is dedicated to preservation and sound management of lakes through citizen-based monitoring and research. The long-standing partnership with the NH Sea Grant College program enhances the capacity of both organizations to meet the needs of coastal communities, marine resource managers and businesses, as well as address hazard resiliency and adaption to a changing climate.

**3. Program existence :** Mature (More then five years)

**4. Program duration :** Long-Term (More than five years)

**5. Expending formula funds or state-matching funds :**Yes

**6. Expending other than formula funds or state-matching funds :** Yes

**V(B). Program Knowledge Area(s)**

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
112	Watershed Protection and Management	10%			
123	Management and Sustainability of Forest Resources	50%			
124	Urban Forestry	10%			
131	Alternative Uses of Land	10%			
135	Aquatic and Terrestrial Wildlife	20%			
	<b>Total</b>	100%			

**V(C). Planned Program (Situation and Scope)**

**1. Situation and priorities**

UNH Cooperative Extension motivates private landowners to actively manage their land for long-term stewardship of natural resources. Extension programs in forestry and wildlife, agriculture, and water resources bring a comprehensive approach to solving problems and protecting resources through an extensive network of partners within the natural resources community. Long-term memoranda with the NH Division of Forests and Lands and the NH Fish and Game recognize Extension's lead role in educational programming. The Society for the Protection of New Hampshire Forests, Audubon Society of New Hampshire, NH Timberland Owners Association, Natural Resources Conservation Service, Farm Service Agency, U.S. Forest Service, NH Office of State Planning, Conservation Districts, NH Department of Environmental Services, regional planning commissions and county governments are all active partners.

Although New Hampshire is not a particularly populous state (1.3 million residents) and has a relatively short coastline, it in many ways mirrors other coastal states in the pressures of continued population growth and the demographics of that growth. Nearly 75% of New Hampshire residents live within 50 miles of the coast, and the rate of growth in the 'seacoast' region has grown at a rate of 10% over the past decade, a rate nearly double that of the rest of the state. Coastal communities, deeply rooted in the resources of the estuaries and ocean coasts that they inhabit, are struggling with how to manage growth and its associated waste streams. The Great Bay estuary is displaying indicators of nutrient over-enrichment, bacterial contamination and habitat loss, while coastal fishermen are dealing with harmful algal bloom related fisheries closures and the unknown effects of proposed offshore sewage outfalls.

The commercial fishing industry in New Hampshire is composed of nearly 140 commercial vessels, consisting of 100 lobster and 40 groundfish boats. The single most economically important species for New Hampshire continues to be the American lobster, with landings of 2.5 million pounds valued at \$14.3 million; Atlantic cod, at \$ 1.9 million, ranked second in value; followed by goosfish at just over \$1.5 million; and Atlantic herring at \$ 1.3 million. The groundfish boats are divided almost equally between gillnetters and draggers. With the exception of one large company targeting offshore lobster, most New Hampshire fishermen represent small, family-owned operations that fish inshore.

Coastal ecosystems are ecologically and economically valuable environments that are subject to multi-use demands ranging from food production and the purification of societies' wastes, to flood control, transportation and recreation. These systems provide essential habitat for fish and shellfish that constitute 75% of commercial landings in the United States and provide essential 'ecosystem services' valued in the trillions of dollars annually on a global scale. At the same time, these systems have become increasingly threatened by human-induced perturbations. These include non-point source pollution, invasive species, coastal development and habitat alteration.

The fresh and coastal waters of New Hampshire represent a valuable water resource contributing to the state's economic base through recreation, tourism, and real estate revenues. In addition some lakes and rivers serve as current or potential water supplies. For most residents (as indicated by boating and fishing registrations) our waters help to insure a high quality of life. However, New Hampshire currently leads all of the New England states in the rate of new development and redevelopment. The long-term consequences of the resulting pressure and demands on the state's precious water resources remain unknown.

## **2. Scope of the Program**

- In-State Extension
- Multistate Extension

## **V(D). Planned Program (Assumptions and Goals)**

**1. Assumptions made for the Program**

Funding continues at the federal, state, and local levels so staffing levels permit implementation of this plan.

Staffing remains sufficient.

**2. Ultimate goal(s) of this Program**

- Communities contain volunteers with a life-long commitment to conservation.
- Conserve and protect land, water and open space.
- Critical wildlife habitats are protected in the state.
- Forests are a significant contributor to the state's economy, improving the quality of life for people living in urban and rural communities by protecting and enhancing the natural environment.
  - Maintain significant open space, including large, contiguous blocks of intact forest that remain under long-term consistent management.
  - Maintain the biodiversity of the state - plants, animals and natural communities. - New Hampshire's forests remain healthy and productive.
  - Improve fisheries science and provide ancillary employment for fishermen by encouraging and facilitating cooperative research
    - Water quality in lakes, streams and estuaries improves or is maintained at acceptable levels
    - Facilitate community meetings to develop action plans for implementing water and natural resource based planning

**V(E). Planned Program (Inputs)**

**1. Estimated Number of professional FTE/SYs to be budgeted for this Program**

Year	Extension		Research	
	1862	1890	1862	1890
2013	15.0	0.0	0.0	0.0
2014	15.0	0.0	0.0	0.0
2015	15.0	0.0	0.0	0.0
2016	15.0	0.0	0.0	0.0
2017	15.0	0.0	0.0	0.0

**V(F). Planned Program (Activity)**

**1. Activity for the Program**

Collaboration with partners: include projects, consultations, committee work on a town, county, state, multi-state basis with partner organizations and agencies include Extension collaborations

One-on-one consultation: woodlot exams, phone calls, emails, office visits, cost share programs, forester referrals, logger and industry visits- including follow up such as letters, map making, publication distribution

Media: press releases, newsletters, radio, TV, web, direct mailing Presentations: workshops and talks

Volunteer training and management: Coverts, Community Tree Stewards, Master Gardeners, other community volunteers such as conservation commissions, etc.

Provide focused training and long-term assistance to communities on natural resource planning and land conservation.

Provide direct assistance to towns and conservation groups upon request

Hold water quality monitoring training sessions for new and existing volunteers - conductfield visits for in-depth monitoring and quality assurance

Provide analytical services, data base management and data analysis for Great Bay Coastal Watch and NH Lakes Lay Monitoring Program collected samples

Conduct land conservation and natural resources workshops and other educational activities as suggested by program staff and as requested by communities and conservation groups

Conduct the Natural Resources Outreach Coalition program for communities selected annually.

Develop, enhance and deliver presentations (including GIS-based) about land use/water quality to local decision makers

Publish information sheets, technical reviews, and web pages which detail innovative fishing gears and technologies that reduce by-catch, minimize benthic impacts and enhance gear selectivity.

Hold educational workshops on the following topics:

- Focusing efforts on reducing by-catch and increasing selectivity of fishing gear;
- Focusing efforts on reducing sea-bed impacts by mobile fishing gear;
- Facilitating cooperative research partnerships between fishermen and scientists;

**2. Type(s) of methods to be used to reach direct and indirect contacts**

**Extension**

Direct Methods	Indirect Methods
<ul style="list-style-type: none"> <li>• Education Class</li> <li>• Workshop</li> <li>• Group Discussion</li> <li>• One-on-One Intervention</li> <li>• Demonstrations</li> </ul>	<ul style="list-style-type: none"> <li>• Public Service Announcement</li> <li>• Newsletters</li> <li>• TV Media Programs</li> <li>• Web sites other than eXtension</li> <li>• Other 1 (radio)</li> </ul>

### 3. Description of targeted audience

Target audiences include non-industrial private forest owners (NIPF), municipal and other forest landowners, natural resource professionals, communities, volunteers, NH forest-based industries and the public.

Commercial fishermen and related industries; land owners and recreational users of New Hampshire's lakes, estuaries, rivers, and ocean beaches; Formal and non-formal educators and K-12 students; policy and decision makers

### V(G). Planned Program (Outputs)

NIFA no longer requires you to report target numbers for standard output measures in the Plan of Work. However, all institutions will report actual numbers for standard output measures in the Annual Report of Accomplishments and Results. The standard outputs for which you must continue to collect data are:

- Number of contacts
    - Direct Adult Contacts
    - Indirect Adult Contacts
    - Direct Youth Contacts
    - Indirect Youth Contact
  - Number of patents submitted
  - Number of peer reviewed publications
- Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

## **V(H). State Defined Outputs**

### **1. Output Measure**

- One-on-one consultation: woodlot exams, phone calls, emails, office visits, cost share programs, forester referrals, logger and industry visits- including follow up such as letters, map making, publication distribution
  - People reached through media: press releases, newsletters, radio, TV, web, direct mailing
  - People reached through presentations: workshops and talks regardless of audience
  - Volunteers trained and supported: Coverts, Community Tree Stewards, and other community volunteers such as conservation commissions, etc.
  - Number of water quality monitoring training sessions held for new and existing volunteers
  - Number of annual lake reports and coastal reports published on water quality assessments from volunteer monitoring efforts
  - Number of hours NH Lakes Lay Monitoring Program volunteers contribute toward conducting water quality monitoring and analysis activities in their local watersheds
  - Number of towns and conservation groups provided with direct assistance regarding land and water conservation
  - Number of educational workshops for commercial fishermen on the following topics:
    - \* Focusing efforts on reducing by-catch and increasing selectivity of fishing gear;
    - \* Focusing efforts on reducing sea-bed impacts by mobile fishing gear;
    - \* Facilitating cooperative research partnerships between fishermen and scientists.
- Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

**V(I). State Defined Outcome**

O. No	Outcome Name
1	Number of acres of forest management plans meet or exceed NH forest stewardship standards
2	Number of forest owners who receive federal or state financial incentives for implementing conservation practices
3	Number of new landowners engaged with a forester or natural resources professional for the first time or for the first time in 10 or more years
4	Number of volunteers in conservation work in NH communities as a result of training and continued work by UNHCE primarily in the Coverts and Community Tree Stewards programs
5	Percent of of NH licensed foresters trained by UNHCE in each of the two-year licensing period for CEUs
6	Number of people who influence the forest environment in NH with increased working knowledge about forest resource management through workshops, seminars, or educational events annually
7	Number of NH communities engage in natural resource inventories or natural heritage assessments to identify natural assets
8	Number of acres landowners develop conservation easements on in NH acres each year
9	Number of licensed foresters who increase business opportunities through 300 referrals from UNHCE staff - thereby sustaining a cadre of private sector licensed foresters offering services to the public
10	Number of fishermen who choose non-mandatory conservation-minded gear over traditional equipment.
11	Number of cooperative research proposals submitted involving scientists and fishermen that focus on reducing benthic impacts of mobile fishing gear are submitted to appropriate programs/agencies.
12	Number of communities to develop action plans that include a variety of approaches for making progress in community-based natural resource protection projects.
13	Number of fishermen who gain knowledge of new conservation fishing gear that reduces benthic habitat impact.
14	Number of communities to implement or start to implement a natural resource protection project.
15	Number of community decision makers, conservation groups or development professionals who report gaining knowledge about preventing degradation from storm water runoff.
16	Number of community decisions-makers and Coverts Cooperators who identify actions they will take to conserve the state's biodiversity.

**Outcome # 1**

**1. Outcome Target**

Number of acres of forest management plans meet or exceed NH forest stewardship standards

**2. Outcome Type :** Change in Action Outcome Measure

**3. Associated Knowledge Area(s)**

- 123 - Management and Sustainability of Forest Resources

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 2**

**1. Outcome Target**

Number of forest owners who receive federal or state financial incentives for implementing conservation practices

**2. Outcome Type :** Change in Knowledge Outcome Measure

**3. Associated Knowledge Area(s)**

- 123 - Management and Sustainability of Forest Resources

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 3**

**1. Outcome Target**

Number of new landowners engaged with a forester or natural resources professional for the first time or for the first time in 10 or more years

**2. Outcome Type :** Change in Knowledge Outcome Measure

**3. Associated Knowledge Area(s)**

- 123 - Management and Sustainability of Forest Resources

#### **4. Associated Institute Type(s)**

- 1862 Extension

#### **Outcome # 4**

##### **1. Outcome Target**

Number of volunteers in conservation work in NH communities as a result of training and continued work by UNHCE primarily in the Coverts and Community Tree Stewards programs

**2. Outcome Type :** Change in Action Outcome Measure

##### **3. Associated Knowledge Area(s)**

- 124 - Urban Forestry
- 135 - Aquatic and Terrestrial Wildlife

#### **4. Associated Institute Type(s)**

- 1862 Extension

#### **Outcome # 5**

##### **1. Outcome Target**

Percent of of NH licensed foresters trained by UNHCE in each of the two-year licensing period for CEUs

**2. Outcome Type :** Change in Knowledge Outcome Measure

##### **3. Associated Knowledge Area(s)**

- 123 - Management and Sustainability of Forest Resources

#### **4. Associated Institute Type(s)**

- 1862 Extension

#### **Outcome # 6**

##### **1. Outcome Target**

Number of people who influence the forest environment in NH with increased working knowledge about forest resource management through workshops, seminars, or educational events annually

**2. Outcome Type :** Change in Knowledge Outcome Measure

**3. Associated Knowledge Area(s)**

- 123 - Management and Sustainability of Forest Resources

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 7**

**1. Outcome Target**

Number of NH communities engage in natural resource inventories or natural heritage assessments to identify natural assets

**2. Outcome Type :** Change in Action Outcome Measure

**3. Associated Knowledge Area(s)**

- 123 - Management and Sustainability of Forest Resources
- 135 - Aquatic and Terrestrial Wildlife

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 8**

**1. Outcome Target**

Number of acres landowners develop conservation easements on in NH acres each year

**2. Outcome Type :** Change in Action Outcome Measure

**3. Associated Knowledge Area(s)**

- 123 - Management and Sustainability of Forest Resources

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 9**

**1. Outcome Target**

Number of licensed foresters who increase business opportunities through 300 referrals from UNHCE staff - thereby sustaining a cadre of private sector licensed foresters offering services to the public

**2. Outcome Type** : Change in Knowledge Outcome Measure

**3. Associated Knowledge Area(s)**

- 123 - Management and Sustainability of Forest Resources

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 10**

**1. Outcome Target**

Number of fishermen who choose non-mandatory conservation-minded gear over traditional equipment.

**2. Outcome Type** : Change in Action Outcome Measure

**3. Associated Knowledge Area(s)**

- 112 - Watershed Protection and Management
- 135 - Aquatic and Terrestrial Wildlife

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 11**

**1. Outcome Target**

Number of cooperative research proposals submitted involving scientists and fishermen that focus on reducing benthic impacts of mobile fishing gear are submitted to appropriate programs/agencies.

**2. Outcome Type** : Change in Action Outcome Measure

**3. Associated Knowledge Area(s)**

- 112 - Watershed Protection and Management
- 135 - Aquatic and Terrestrial Wildlife

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 12**

**1. Outcome Target**

Number of communities to develop action plans that include a variety of approaches for making progress in community-based natural resource protection projects.

**2. Outcome Type :** Change in Action Outcome Measure

**3. Associated Knowledge Area(s)**

- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources
- 131 - Alternative Uses of Land

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 13**

**1. Outcome Target**

Number of fishermen who gain knowledge of new conservation fishing gear that reduces benthic habitat impact.

**2. Outcome Type :** Change in Knowledge Outcome Measure

**3. Associated Knowledge Area(s)**

- 112 - Watershed Protection and Management
- 135 - Aquatic and Terrestrial Wildlife

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 14**

**1. Outcome Target**

Number of communities to implement or start to implement a natural resource protection project.

**2. Outcome Type :** Change in Action Outcome Measure

**3. Associated Knowledge Area(s)**

- 112 - Watershed Protection and Management
- 123 - Management and Sustainability of Forest Resources

- 124 - Urban Forestry
- 131 - Alternative Uses of Land

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 15**

**1. Outcome Target**

Number of community decision makers, conservation groups or development professionals who report gaining knowledge about preventing degradation from storm water runoff.

**2. Outcome Type :** Change in Knowledge Outcome Measure

**3. Associated Knowledge Area(s)**

- 112 - Watershed Protection and Management

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 16**

**1. Outcome Target**

Number of community decisions-makers and Coverts Cooperators who identify actions they will take to conserve the state's biodiversity.

**2. Outcome Type :** Change in Knowledge Outcome Measure

**3. Associated Knowledge Area(s)**

- 112 - Watershed Protection and Management
- 135 - Aquatic and Terrestrial Wildlife

**4. Associated Institute Type(s)**

- 1862 Extension

**V(J). Planned Program (External Factors)**

**1. External Factors which may affect Outcomes**

- Natural Disasters (drought, weather extremes, etc.)
- Economy

- Appropriations changes
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

### **Description**

Landowner assistance programs may come and go, adding or subtracting educational options and outcomes

Economic factors affect landowners' short term objectives, markets, and opportunities  
Communities increasingly responding to conservation needs

A conservation ethic on the part of landowners  
High economic land values

Unforeseen extreme natural catastrophic events  
Land use regulations often lag behind issues of concern.

## **V(K). Planned Program - Planned Evaluation Studies**

### **Description of Planned Evaluation Studies**

- Review of Farm Service Agency, Natural Resources Conservation Service, NH Fish & Game, and UNHCE records.
- Track acres of plans and report to USFS annually Assessed through site visits, NH Tree Farm Program records direct contact with land owners and natural resources professionals.
- Track ongoing actions of trained volunteers including required work and work done beyond program requirements. UNHCE maintains a census of trained volunteers active in NH.
- Comparison of the official list of NH licensed foresters from state records with the actual attendance list for forester licensing CEU programs at the end of each two-year period.
- Track workshops and participants and includes this in the United States Forest Service report. Assessed via community-based information through Community Conservation Assistance Program, multi-community information and direct landowner contact.
- The Professional Loggers Program with UNHCE keeps records of program participants, certified Timber Harvesters and companies that require Sustainable Forestry Initiative certification.
- Evaluation data will be generated through self reporting, observation, mail surveys, one-on-one contact and securing information from the North East Consortium on funds provided to commercial fishermen
- Collect impact indicator information and program outputs through post-training session, workshop and meeting questionnaires immediately following events and through mailed, phone and on-line surveys for longer term outcomes. Target audience for assessments: Lakes Lay Monitoring Program participants, their associations, and local decision-makers.
- For any workshops that we conduct we will use questionnaires, training exercises and observers along with a contact follow-up in three to six month intervals. NERMC, VMNFP and the New England Regional Water Quality Program have ongoing evaluation efforts to which we will supply data and review as requested

**V(A). Planned Program (Summary)**

**Program # 2**

**1. Name of the Planned Program**

Food and Agriculture

**2. Brief summary about Planned Program**

University of New Hampshire Cooperative Extension (UNHCE) is uniquely positioned as part of the state's land grant university to provide educational programs and applied research to promote safe and local food production in New Hampshire (e.g., fruit and vegetable production, dairy and small-scale livestock and poultry production) and the state's large and diverse ornamental horticulture industry. State-wide and regional efforts will also address sustainable and organic agriculture production systems and support and promote local markets for New Hampshire products and processing needs for these industries. In addition, home horticulture programming will continue (mainly through the UNHCE Education Center and Master Gardener program). State-wide and regional programs such as the New England Vegetable & Fruit Conference, Pesticide Applicator Training, and soil and plant diagnostic services will continue and expanded programming in livestock production will be developed. Staff working in this program team will work closely with the community and economic development staff to ensure the continuation of high quality (and expanded) programs in agricultural business management.

**3. Program existence :** Mature (More than five years)

**4. Program duration :** Long-Term (More than five years)

**5. Expending formula funds or state-matching funds :** Yes

**6. Expending other than formula funds or state-matching funds :** Yes

**V(B). Program Knowledge Area(s)**

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
102	Soil, Plant, Water, Nutrient Relationships	20%			
205	Plant Management Systems	20%			
211	Insects, Mites, and Other Arthropods Affecting Plants	15%			
212	Pathogens and Nematodes Affecting Plants	15%			
216	Integrated Pest Management Systems	10%			
315	Animal Welfare/Well-Being and Protection	10%			
604	Marketing and Distribution Practices	10%			
	<b>Total</b>	100%			

**V(C). Planned Program (Situation and Scope)**

## 1. Situation and priorities

**Dairy/Livestock/Equine:** The New Hampshire livestock industry is diverse and scattered throughout the state. The state's livestock industry is important to maintaining open space and the rural setting enjoyed by its residents. Each aspect of the industry is important in maintaining the overall infrastructure needed for animal production. The livestock industry has changed over the years and so has its use of Extension. Many services traditionally assumed by Extension have been taken over by agribusinesses such as forage testing, ration balancing, production testing, etc. Now, more than ever, the livestock industry is looking to Extension as a source of non-biased, researched based information to make informed decisions. Farmers are looking for help in holistic management, business management, facilitating family communication, and the practical application of current research findings.

**Ornamental Horticulture:** Ornamental horticulture contributes to the economy and environmental quality of the state. Horticulture keeps 21,000 acres in agriculture, more than 14,000 of which is open space, helping to preserve the state's rural character. The ornamental horticulture industry includes at least 935 businesses in New Hampshire that generate \$638 million or more annually in sales and services, according to a recent New England survey. Greenhouse and nursery crops are the fastest growing component of agriculture in this state, having increased by 87% between 1992 and 1997 (USDA Agricultural Census, 1997). More than half the firms identified landscape and tree services as an important part of their business. More than 80% of the income comes from sales and services within the state, making horticulture an integral and important part of the state's economy.

**Fruit and Vegetable Production:** The commercial vegetable industry in New Hampshire is made up of about 313 farms with approximately 3,400 acres of mixed vegetables. The top grossing vegetable commodities are sweet corn, pumpkins, and tomatoes, with many others grown in smaller amounts. The NH commercial small fruit industry is made up of about 203 growers that harvest approximately 543 acres of small fruit. The top grossing small fruit commodities are strawberries, blueberries (highbush and lowbush), and raspberries. The NH commercial tree fruit industry comprises approximately 204 growers that farm approximately 2,650 acres of orchards. The majority of these are apple orchards, but peaches and pears are produced in small amounts. The farm gate value of all commercial vegetable, small fruits, and tree fruits in NH is approximately \$23 million dollars. Roughly 95% of the total sales are through pick your own, roadside stands and farmers' markets, thus direct marketing is a major focus of educational efforts. Consumer awareness of the value of local agriculture and fresh locally grown fruits and vegetables will ensure that a market for high quality NH produce exists. To attain ecological and economic sustainability, NH fruit and vegetable growers must 1) make judicious use of farm inputs, 2) minimize crop production costs, 3) maintain high crop quality and yields, and 4) have reliable and consistent markets for their products.

**Home Horticulture:** New Hampshire's population now exceeds 1.3 million. Each year UNHCE receives thousands of requests from New Hampshire citizens for education on a wide range of topics including home gardening, wildlife, water quality, household pests, backyard livestock, food preparation and food safety, urban forestry and many other topics. UNHCE has developed a variety of methods to simultaneously meet this need and reduce the burden on staff. Utilizing more than 400 Extension-trained Master Gardeners (who volunteered 10,000 hours in 100 communities last year) UNHCE expanded its impact by responding to more than 10,000 phone inquiries, conducting more than 50 workshops in schools and communities and working on a diverse range projects that resulted in aesthetic, environmental and economic benefits for both NH citizens and volunteers. Each contact with the general public, homeowners, gardeners and municipalities provides the opportunity to teach people how to make changes to their surroundings that optimize the safe use of their properties while protecting the environment.

**Grass Farming & Forage Crop Production:** Forage crops, including hay, pastures, and silage corn, account for more than 100,000 acres statewide and are valued at approximately \$28 million. These crops support a \$116 million animal industry, since most of New Hampshire's dairy, livestock, and equine operations rely heavily on forage crops. Cattle, sheep, and horses have the ability to utilize forages efficiently; producers work towards harvesting quality forages that can support animal production while minimizing the need to purchase off farm feed which can significantly enhance farm profitability.

**Promoting Local Agriculture:** Direct marketing to consumers in NH has increased significantly, as evidenced by the rise in the total number of farmers' markets which now stands at fifty seven up from fewer than thirty five years ago. Needs assessments have identified that NH producers seek to build their skills in direct marketing and seek to augment their farm profitability through the sale of their products and services directly to consumers. Two additional factors dictate an increase in programming in this area: 1) the loss of wholesale markets for specialty crops as evidenced by the loss of the wholesale apple market and the impact this had on NH apple growers; 2) the rise in the "so called lifestyle farmers" who have chosen farming as a second occupation yet often have little farming background. These constituents need to earn a premium price with limited production and need assistance with marketing plans.

## **2. Scope of the Program**

- In-State Extension
- In-State Research
- Multistate Extension

## **V(D). Planned Program (Assumptions and Goals)**

### **1. Assumptions made for the Program**

The sustainability of agriculture in NH requires a holistic approach that interfaces production, human resources, economic, and environmental issues, and civic policies. All must be addressed at some level.

County Extension Agricultural Educators will become more specialized in a particular Area of Expertise (AoE) and work regionally instead of being responsible for conducting programs in all aspects of agriculture in their respective counties. They will be encouraged and supported to develop one or more specialty areas for state wide programming, i.e. fruits and vegetables, agronomic crops, dairy and livestock, nutrient management, ornamentals, etc.

Specialists will continue to provide leadership and support in their specialties to county staff. They will provide leadership to both "commodity" and "issue" programming teams.

### **2. Ultimate goal(s) of this Program**

Enhance the sustainability and profitability of producers in all sectors of NH agriculture:

Increase the ability of New Hampshire's citizens to enjoy the benefits of home horticulture and sustain the economic, aesthetic and environmental benefits of NH agriculture.

Increase the consumption of locally produced agricultural goods and the utilization of local agricultural services.

Increase the economic and environmental sustainability of grass-based livestock operations and forage production systems in New Hampshire.

Address pest and disease management issues in NH quickly and effectively.

## **V(E). Planned Program (Inputs)**

**1. Estimated Number of professional FTE/SYs to be budgeted for this Program**

Year	Extension		Research	
	1862	1890	1862	1890
2013	18.0	0.0	0.0	0.0
2014	18.0	0.0	0.0	0.0
2015	18.0	0.0	0.0	0.0
2016	18.0	0.0	0.0	0.0
2017	18.0	0.0	0.0	0.0

**V(F). Planned Program (Activity)**

**1. Activity for the Program**

- Workshops/conferences - including single- and multi-day conferences, Farm and Forest events, and various producer association meetings
- Pasture walks & twilight meetings
- Farm/site visits, including kitchen table meetings and private consultations
- On-farm and university-based applied research projects
- Phone consultations
- Pesticide Applicator Training
- Soil and plant tissue diagnostic services
- Publications - newsletters, news releases, fact sheets, publications, web page
- Radio and TV spots

**2. Type(s) of methods to be used to reach direct and indirect contacts**

**Extension**

Direct Methods	Indirect Methods
<ul style="list-style-type: none"> <li>● Education Class</li> <li>● Workshop</li> <li>● Group Discussion</li> <li>● One-on-One Intervention</li> <li>● Demonstrations</li> <li>● Other 1 (phone consultations)</li> </ul>	<ul style="list-style-type: none"> <li>● Newsletters</li> <li>● TV Media Programs</li> <li>● Web sites other than eXtension</li> <li>● Other 1 (Displays at fairs and festivals)</li> </ul>

**3. Description of targeted audience**

Farmers/producers, people who work in agriculture-related fields, homeowners, nursery/greenhouse managers

## V(G). Planned Program (Outputs)

NIFA no longer requires you to report target numbers for standard output measures in the Plan of Work. However, all institutions will report actual numbers for standard output measures in the Annual Report of Accomplishments and Results. The standard outputs for which you must continue to collect data are:

- Number of contacts
    - Direct Adult Contacts
    - Indirect Adult Contacts
    - Direct Youth Contacts
    - Indirect Youth Contact
  - Number of patents submitted
  - Number of peer reviewed publications
- Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

## V(H). State Defined Outputs

### 1. Output Measure

- Number of people attending pasture walks
  - Number of farm/site visits, including kitchen table meetings and private consultations
  - Number of people reached with agriculture information via radio and TV spots
  - Number of people who attend twilight grower meetings
  - Number of phone consultations regarding agricultural practices, home horticulture and miscellaneous agriculture topics
  - Number of Pesticide Applicators attending recertification training
  - Number of soil and plant analyses conducted by diagnostic labs
  - Number of people reached through educational Workshops - Single & multi-day educational events such as grower schools, state-wide grazing events, etc.
  - Number of people reached through conferences: Farm & Forest, Producer Association Meetings
- Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

**V(I). State Defined Outcome**

O. No	Outcome Name
1	Number of NH growers who adopt practices that improve farm productivity, quality of life, environmental conditions, and/or profitability.
2	Number of NH growers who submit soil and/or tissue tests to determine crop nutrient needs
3	Number of NH growers who formulate plans to guide their crop production, pest management, nutrient allocation, or farm management decisions
4	Number of NH growers who increase their knowledge, awareness, and/or skills in crop production practices
5	Number of NH growers who increase knowledge, awareness, and/or skills in pest management practices and technologies.
6	Number of participants in home horticulture programs who gain skills that improve self-esteem, enable them to grow and preserve crops, adopt IPM practices and protect and enhance their environment.
7	Number of NH growers who increase their skills, knowledge or awareness in practices or methods related to dairy, livestock or equine production methods.

**Outcome # 1**

**1. Outcome Target**

Number of NH growers who adopt practices that improve farm productivity, quality of life, environmental conditions, and/or profitability.

**2. Outcome Type :** Change in Action Outcome Measure

**3. Associated Knowledge Area(s)**

- 102 - Soil, Plant, Water, Nutrient Relationships
- 205 - Plant Management Systems
- 216 - Integrated Pest Management Systems

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 2**

**1. Outcome Target**

Number of NH growers who submit soil and/or tissue tests to determine crop nutrient needs

**2. Outcome Type :** Change in Action Outcome Measure

**3. Associated Knowledge Area(s)**

- 102 - Soil, Plant, Water, Nutrient Relationships
- 205 - Plant Management Systems

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 3**

**1. Outcome Target**

Number of NH growers who formulate plans to guide their crop production, pest management, nutrient allocation, or farm management decisions

**2. Outcome Type :** Change in Action Outcome Measure

**3. Associated Knowledge Area(s)**

- 102 - Soil, Plant, Water, Nutrient Relationships
- 205 - Plant Management Systems

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 212 - Pathogens and Nematodes Affecting Plants
- 216 - Integrated Pest Management Systems

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 4**

**1. Outcome Target**

Number of NH growers who increase their knowledge, awareness, and/or skills in crop production practices

**2. Outcome Type :** Change in Knowledge Outcome Measure

**3. Associated Knowledge Area(s)**

- 102 - Soil, Plant, Water, Nutrient Relationships
- 205 - Plant Management Systems

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 5**

**1. Outcome Target**

Number of NH growers who increase knowledge, awareness, and/or skills in pest management practices and technologies.

**2. Outcome Type :** Change in Knowledge Outcome Measure

**3. Associated Knowledge Area(s)**

- 211 - Insects, Mites, and Other Arthropods Affecting Plants
- 212 - Pathogens and Nematodes Affecting Plants
- 216 - Integrated Pest Management Systems

**4. Associated Institute Type(s)**

- 1862 Extension

### **Outcome # 6**

#### **1. Outcome Target**

Number of participants in home horticulture programs who gain skills that improve self-esteem, enable them to grow and preserve crops, adopt IPM practices and protect and enhance their environment.

**2. Outcome Type :** Change in Knowledge Outcome Measure

#### **3. Associated Knowledge Area(s)**

- 205 - Plant Management Systems
- 216 - Integrated Pest Management Systems

#### **4. Associated Institute Type(s)**

- 1862 Extension

### **Outcome # 7**

#### **1. Outcome Target**

Number of NH growers who increase their skills, knowledge or awareness in practices or methods related to dairy, livestock or equine production methods.

**2. Outcome Type :** Change in Knowledge Outcome Measure

#### **3. Associated Knowledge Area(s)**

- 315 - Animal Welfare/Well-Being and Protection
- 604 - Marketing and Distribution Practices

#### **4. Associated Institute Type(s)**

- 1862 Extension

## **V(J). Planned Program (External Factors)**

### **1. External Factors which may affect Outcomes**

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Appropriations changes
- Competing Programmatic Challenges

#### **Description**

## **V(K). Planned Program - Planned Evaluation Studies**

### **Description of Planned Evaluation Studies**

Questionnaires will be used at grower meetings to get information directly from farmers regarding new management practices adopted as a result of UNHCE educational efforts, be these farm visits, programs, newsletters, etc.

Questionnaires will be used at grower meetings and other major UNHCE educational activities to get information directly from producers regarding adoption of any recommended practices or technologies such as new crops or varieties, production systems, season extension techniques and/or greenhouse lighting.

**V(A). Planned Program (Summary)**

**Program # 3**

**1. Name of the Planned Program**

Youth and Family

**2. Brief summary about Planned Program**

Preparing youth to become caring and productive citizens is critical to New Hampshire's future. We will pursue this goal through community-based positive youth development, utilizing the 4-H program as a primary vehicle. Educational resources for parents and families will be provided through creative delivery mechanisms, including web-based, e-newsletters and train-the-trainer programs. UNHCE will provide New Hampshire citizens with research-based education and information enhancing their ability to make informed decisions that strengthen families.

**3. Program existence :** Mature (More than five years)

**4. Program duration :** Long-Term (More than five years)

**5. Expending formula funds or state-matching funds :** Yes

**6. Expending other than formula funds or state-matching funds :** Yes

**V(B). Program Knowledge Area(s)**

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
802	Human Development and Family Well-Being	20%			
805	Community Institutions, Health, and Social Services	20%			
806	Youth Development	60%			
	<b>Total</b>	100%			

**V(C). Planned Program (Situation and Scope)**

**1. Situation and priorities**

The NH Youth and Family program strives to foster the positive successful development of all youth and support to families. A restructuring of program teams in 2011 led to a combined program team of youth and family, instead of two separate program areas. This has resulted in staffing and priority changes including a change in more technology-based delivery methods for parenting and financial literacy education for families. New Hampshire's 4-H program is well supported by constituent groups, the 4-H Foundation of New Hampshire and others. Total enrollment in traditional 4-H groups, camp, school enrichment and other special interest programs was 15,559 in 2010 with a strong cadre of adult volunteers totaling 2,346 in the same year.

Positive youth development is increasingly guided by scientific research. National 4-H Headquarters,

USDA adopted a positive youth development model based on theory, research and practice (L.Brendtro, M.Brokenleg, and S.Van Bockern). In this model, those who work in youth development programs strive to create effective programs and safe environments that meet the four basic needs of youth: mastery, belonging, independence, and generosity. These four areas parallel the traditional four Hs - head, heart, hands, and health.

## **2. Scope of the Program**

- In-State Extension
- Multistate Extension
- Integrated Research and Extension

## **V(D). Planned Program (Assumptions and Goals)**

### **1. Assumptions made for the Program**

Cooperative Extension is a highly effective educational program development and delivery organization and is a non-biased research-based source of information and education.

Effective collaborations of agencies and organizations, and strategic partnerships will strengthen program development, delivery and evaluation.

4-H YD is a well respected and effective youth development program in NH.

A successful 4-H YD program is dependent on adequate number of competent volunteers.

The NH 4-H YD program provides youth a unique and inclusive setting for individual life skill development and mastery of subject matter competencies through the interactions with caring adults (paid and volunteer)

Youth and family staff have the ability to recognize and understand the needs of individuals in communities, and to facilitate educational opportunities in respond to those needs.

Partnerships between University System of New Hampshire (USNH) and UNHCE youth and family staff can provide two-way communications for youth, families, faculty and community partners to foster lifelong learning.

### **2. Ultimate goal(s) of this Program**

Youth become caring and contributing members of society through positive experiences in a diverse 4-H Youth Development program.

4-H Youth Development volunteers and staff of other youth serving organizations positively influence the development of youth and continually develop their competencies as adult volunteers who work with youth.

Youth and adults collaborate and contribute to influence the quality of life in their communities.

Individuals and families have greater capacity to establish and maintain financial security.

Parents demonstrate healthy interpersonal relationships and provide appropriate nurturance and guidance

to their children.

**V(E). Planned Program (Inputs)**

**1. Estimated Number of professional FTE/SYs to be budgeted for this Program**

Year	Extension		Research	
	1862	1890	1862	1890
2013	17.0	0.0	0.0	0.0
2014	17.0	0.0	0.0	0.0
2015	17.0	0.0	0.0	0.0
2016	17.0	0.0	0.0	0.0
2017	17.0	0.0	0.0	0.0

**V(F). Planned Program (Activity)**

**1. Activity for the Program**

- Recruit, screen, orient new volunteers
- Support and recognize volunteers
- Volunteer/staff training-multiple delivery methods
- Club/group organization, management, and reporting
- 4-H Afterschool (includes coalitions, meetings, staff training ,etc.)
- OMK - (includes coalitions, meetings, staff training, etc.)
- Technical support to youth serving agencies/organizations
- Grant development
- 4-H Foundation work (local and state-wide) - fund raising activities
- Event and activity development and management
- Subject matter/life skill training-multiple delivery methods
- Parenting Education mostly via Cradle Crier and Toddler Tales ( age- paced newsletters) and on-line venues
  - On-line financial security educational programs targeted for limited resource audiences

**2. Type(s) of methods to be used to reach direct and indirect contacts**

**Extension**

Direct Methods	Indirect Methods
<ul style="list-style-type: none"> <li>• Education Class</li> <li>• Workshop</li> <li>• Group Discussion</li> <li>• Demonstrations</li> <li>• Other 1 (Competitive events)</li> </ul>	<ul style="list-style-type: none"> <li>• Newsletters</li> <li>• TV Media Programs</li> <li>• eXtension web sites</li> <li>• Web sites other than eXtension</li> </ul>

### 3. Description of targeted audience

Youth - ages 5-18 involved in community 4-H clubs, after school programs, community coalitions and classrooms.

Parents, human service agencies, families

Adult volunteers, educators, decision makers, policy makers

### V(G). Planned Program (Outputs)

NIFA no longer requires you to report target numbers for standard output measures in the Plan of Work. However, all institutions will report actual numbers for standard output measures in the Annual Report of Accomplishments and Results. The standard outputs for which you must continue to collect data are:

- Number of contacts
  - Direct Adult Contacts
  - Indirect Adult Contacts
  - Direct Youth Contacts
  - Indirect Youth Contact
- Number of patents submitted
- Number of peer reviewed publications

Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

### V(H). State Defined Outputs

#### 1. Output Measure

- Number of volunteers supported and recognized
- Number of volunteers trained
- Number of clubs/groups supported
- Number of youth enrolled in 4-H as a 4-H club, after school or special interest group member
- Number of youth and adults participating in community service projects
- Number of parents/families who receive age-paced newsletters
- Number of adults participating in on-line financial literacy programs
- Number of educators and parents participating in workshops or educational events related to the issue of school bullying

- Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

**V(I). State Defined Outcome**

O. No	Outcome Name
1	Number of of NH youth involved in 4-H YD programs who demonstrate an increase in specific life skills.
2	Number of youth/adults who demonstrate an increase in knowledge and skills related to specific projects and/or subject matter.
3	Number of youth and adults surveyed on involvement in 4-H YD programs that reported they influenced their community.
4	Number of NH youth over the age of 12 and involved in targeted 4-H YD, who present their achievements and/or act as teachers or resources to others through their 4-H experience.
5	Number of 4-H YD volunteers and program staff surveyed that understand and adopt practices within their programs/groups/clubs which foster a sense of belonging, mastery, generosity and independence (Circle of Courage) for all participating youth
6	Number of program participants who document an increase in their financial literacy on evaluation instruments
7	Number of participants that indicate an increase in their Understanding of Child Development and Knowledge of Parenting

**Outcome # 1**

**1. Outcome Target**

Number of of NH youth involved in 4-H YD programs who demonstrate an increase in specific life skills.

**2. Outcome Type** : Change in Knowledge Outcome Measure

**3. Associated Knowledge Area(s)**

- 802 - Human Development and Family Well-Being
- 806 - Youth Development

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 2**

**1. Outcome Target**

Number of youth/adults who demonstrate an increase in knowledge and skills related to specific projects and/or subject matter.

**2. Outcome Type** : Change in Knowledge Outcome Measure

**3. Associated Knowledge Area(s)**

- 806 - Youth Development

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 3**

**1. Outcome Target**

Number of youth and adults surveyed on involvement in 4-H YD programs that reported they influenced their community.

**2. Outcome Type** : Change in Action Outcome Measure

**3. Associated Knowledge Area(s)**

- 805 - Community Institutions, Health, and Social Services
- 806 - Youth Development

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 4**

**1. Outcome Target**

Number of NH youth over the age of 12 and involved in targeted 4-H YD, who present their achievements and/or act as teachers or resources to others through their 4-H experience.

**2. Outcome Type :** Change in Action Outcome Measure

**3. Associated Knowledge Area(s)**

- 806 - Youth Development

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 5**

**1. Outcome Target**

Number of 4-H YD volunteers and program staff surveyed that understand and adopt practices within their programs/groups/clubs which foster a sense of belonging, mastery, generosity and independence (Circle of Courage) for all participating youth

**2. Outcome Type :** Change in Action Outcome Measure

**3. Associated Knowledge Area(s)**

- 806 - Youth Development

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 6**

**1. Outcome Target**

Number of program participants who document an increase in their financial literacy on evaluation instruments

**2. Outcome Type :** Change in Knowledge Outcome Measure

**3. Associated Knowledge Area(s)**

- 802 - Human Development and Family Well-Being

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 7**

**1. Outcome Target**

Number of participants that indicate an increase in their Understanding of Child Development and Knowledge of Parenting

**2. Outcome Type :** Change in Knowledge Outcome Measure

**3. Associated Knowledge Area(s)**

- 802 - Human Development and Family Well-Being

**4. Associated Institute Type(s)**

- 1862 Extension

**V(J). Planned Program (External Factors)**

**1. External Factors which may affect Outcomes**

- Economy
- Appropriations changes
- Public Policy changes
- Competing Public priorities
- Competing Programmatic Challenges

**Description**

More diverse family structures. Increase in number of NH families living in poverty.

NH communities lack resources for youth opportunities, particularly in rural areas.

Increasing need for out-of-school time activities promoting positive youth development for NH youth, especially teens.

Economic development and stability is a goal for individuals, families, communities and businesses.

**V(K). Planned Program - Planned Evaluation Studies**

### **Description of Planned Evaluation Studies**

Evaluation of youth development programs is challenging as many of the long-term impacts of 4-H youth development are not apparent until after the youth has left the program. Tracking long-term impacts is expensive and time consuming.

Research in positive youth development has found a caring, capable adult role model, along with opportunities to learn and practice important life and social skills, helps youth to develop into a successful and capable adult.

The focus on evaluation studies in the NH 4-H youth development program is on measuring and documenting life skill development and training and supporting adult volunteers in their role as positive mentors to the youth they work with.

Pre and post test evaluations for participants of financial literacy programs

**V(A). Planned Program (Summary)**

**Program # 4**

**1. Name of the Planned Program**

Community and Economic Development

**2. Brief summary about Planned Program**

UNHCE has a long history of supporting New Hampshire's economy through agriculture, forestry and fishing industry support. In addition to this UNHCE has become well known and appreciated for our staff's ability to convene and facilitate community members and groups, helping them to develop leadership skills and make sound decisions regarding the future. UNH CE's Community and Economic Development team (CED) will continue providing research-based education and assistance to individuals, families, businesses and communities to help them to identify opportunities to enhance their competitive advantage, build upon their assets, and create conditions that foster local and regional economic growth.

A small number of CED staff will work collaboratively across all program teams as well as with UNH faculty, statewide agencies and organizations - to address the most pressing needs facing communities. These close collaborations will ensure UNHCE is developing programs that we are uniquely qualified to implement and build upon the strengths of UNH as a whole. These programs will be planned and implemented in close cooperation with other program teams and may include the Agriculture and Natural Resources Business Institute, Community Profiles, Forest Industry Development, and Economic Development Planning and Impact Assessment.

**3. Program existence :** Intermediate (One to five years)

**4. Program duration :** Long-Term (More than five years)

**5. Expending formula funds or state-matching funds :** Yes

**6. Expending other than formula funds or state-matching funds :** Yes

**V(B). Program Knowledge Area(s)**

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
601	Economics of Agricultural Production and Farm Management	20%			
602	Business Management, Finance, and Taxation	10%			
608	Community Resource Planning and Development	20%			
805	Community Institutions, Health, and Social Services	30%			
903	Communication, Education, and Information Delivery	20%			
	<b>Total</b>	100%			

**V(C). Planned Program (Situation and Scope)**

## 1. Situation and priorities

New Hampshire communities face many challenges, including changing demographics, shifting economic structures, and societal crises, with unprecedented growth in some regions and decline in others. Extension's Community and Economic Development program helps communities achieve long-term well-being by building human, economic, social and environmental capacity. To build community capacity, Extension Educators provide a variety of educational services to community residents, organizations and local governments. Examples include facilitation of community forums, training in leadership development, assistance with planning activities and provision of technical assistance for economic development, tourism and communications. Extension also connects campus-based resources - particularly faculty and students - to New Hampshire communities.

More than 3,100 agricultural firms in New Hampshire generate nearly \$750 million in annual product value and manage approximately 445,000 acres in farm land. New Hampshire's agricultural industry is principally comprised of small family farms offering a diverse selection of crop, livestock and specialty products. These family businesses are an integral part of the local community, maintaining a working landscape and providing citizens with superior products as well as connections to farming and "rural" New Hampshire. Each of these program areas address the unique needs of farmers and assist in keeping their operations viable.

The number of farms in NH is increasing, but many of the individuals who are starting these operations require basic management education. Small business start ups in the natural resources and agricultural industries will require education and support from Extension in order to be successful and add jobs to the NH economy.

In one year alone, New Hampshire residents received over \$45.9 million of income from selling timber and other wood products and New Hampshire towns received over \$4.6 million in timber tax (2007, NH Department of Revenue Administration). Healthy, sustainable forests are critical to New Hampshire's forest products industry and the forest-related tourism and recreation industries which contribute more than \$2 billion annually to the state's economy.

## 2. Scope of the Program

- In-State Extension
- Multistate Extension

### V(D). Planned Program (Assumptions and Goals)

#### 1. Assumptions made for the Program

Citizens want to impact community decision-making.

All citizens have leadership potential and the capacity to contribute to their community.

Communities and small businesses will continue face challenging economic times in NH.

While ultimately, UNHCE will provide additional programming in economic development, for the first

year, these efforts will be focused on agricultural and forest industry support and development.

**2. Ultimate goal(s) of this Program**

Individuals and groups from communities gain new leadership skills that enable them to empower others to engage in community activities/projects.

A diverse range of community members - both communities of place and communities of interest - will become effectively engaged in planning, decision-making, needs assessment, community action and evaluation of community efforts.

Leaders guide communities in a more effective manner, ensuring change is made in an organized and inclusive way.

Enhance farm profitability by providing programs in finance, record keeping, enterprise analysis, business and estate planning, direct marketing and merchandising, and risk management to farmers, forest industry professionals, landowners and the commercial fishing industry.

Enhance the sustainability and profitability of producers in all sectors of NH agriculture. commercial fishing and forest industries.

**V(E). Planned Program (Inputs)**

**1. Estimated Number of professional FTE/SYs to be budgeted for this Program**

Year	Extension		Research	
	1862	1890	1862	1890
2013	7.0	0.0	0.0	0.0
2014	7.0	0.0	0.0	0.0
2015	7.0	0.0	0.0	0.0
2016	7.0	0.0	0.0	0.0
2017	7.0	0.0	0.0	0.0

**V(F). Planned Program (Activity)**

**1. Activity for the Program**

Community Profiles, a community-level strategic planning program enables diverse community citizens to come together and map out their desired future and develop an action plan to achieve that future. In addition to working with communities to organize and facilitate Community Profiles, Staff provide follow-up technical assistance to community action teams working on specific projects

Participatory Planning: Provide assistance/training to enable communities to implement participatory planning processes (i.e. Master Plan visioning, visioning for the arts, juvenile justice, and accessible agriculture).

Economic and Tourism Development Assistance: Community and Economic Team members provide technical and planning assistance to local economic development corporations, regional economic entities and tourism development groups to enhance their decision-making with regard to tourism and economic development plans, projects and activities.

Web-Based Community Planning Tools: The Community and Economic Development team is developing a suite of web-based tools that will enable community decision-makers to conduct community

assessments, inform community decisions and implement community-based plans. Examples of tools include the Community Capacity Assessment and the Land Use Resource Clearinghouse.

Workshops/conferences - including single- and multi-day conferences, Farm and Forest events, and various producer association meetings.

Farm/site visits, including kitchen table meetings and private consultations

**2. Type(s) of methods to be used to reach direct and indirect contacts**

**Extension**

Direct Methods	Indirect Methods
<ul style="list-style-type: none"> <li>● Education Class</li> <li>● Workshop</li> <li>● Group Discussion</li> <li>● Demonstrations</li> </ul>	<ul style="list-style-type: none"> <li>● Newsletters</li> <li>● eXtension web sites</li> <li>● Web sites other than eXtension</li> </ul>

**3. Description of targeted audience**

Community leaders, small business development centers, individuals, farmers/producers, people who work in agriculture & forestry-related fields, nursery/greenhouse managers, commercial fishermen

**V(G). Planned Program (Outputs)**

NIFA no longer requires you to report target numbers for standard output measures in the Plan of Work. However, all institutions will report actual numbers for standard output measures in the Annual Report of Accomplishments and Results. The standard outputs for which you must continue to collect data are:

- Number of contacts
  - Direct Adult Contacts
  - Indirect Adult Contacts
  - Direct Youth Contacts
  - Indirect Youth Contact
- Number of patents submitted
- Number of peer reviewed publications

Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

## **V(H). State Defined Outputs**

### **1. Output Measure**

- Number of community leaders who complete a facilitation/leadership skills course
- Number of people viewing web-based Inventory Citizen Engagement/Leadership Resources
- Number of Community Profiles (community-level strategic planning program enables diverse community citizens to come together and map out their desired future and develop an action plan to achieve that future) held.
- Number of communities provided with technical assistance to enhance their decision making with regard to tourism and economic development plans, project, and activities.
- Number of people reached through Risk Management and Farm Management workshops
- Number of people reached through site/farm visits related to farm and forest management
- Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

**V(I). State Defined Outcome**

O. No	Outcome Name
1	Number of groups around the state to implement participatory decision-making processes as a result of Civic Participation and Leadership Team activities (i.e. Master Plan Visioning Session, Community Profile Action Planning, strategic planning)
2	Number of community leaders who learn skills to more effectively lead groups/organizations
3	Number of communities that build a knowledge base of resources for building civic engagement and leadership
4	Number of community leaders who learn processes and techniques for engaging citizens in community decision-making
5	Number of communities that work with Extension to implement mechanisms/tools to analyze the current situation and identify emerging issues to be addressed.
6	Number of community leaders who develop a new understanding of the issues facing their community.
7	Number of citizens who take on new leadership roles within their community as a result of Extension programs.
8	Number of NH growers who increase their skills, knowledge, and/or awareness of farm management techniques, risk management programs, or marketing practices
9	Number of new businesses started as a result of Extension education programming

**Outcome # 1**

**1. Outcome Target**

Number of groups around the state to implement participatory decision-making processes as a result of Civic Participation and Leadership Team activities (i.e. Master Plan Visioning Session, Community Profile Action Planning, strategic planning)

**2. Outcome Type :** Change in Action Outcome Measure

**3. Associated Knowledge Area(s)**

- 608 - Community Resource Planning and Development
- 805 - Community Institutions, Health, and Social Services

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 2**

**1. Outcome Target**

Number of community leaders who learn skills to more effectively lead groups/organizations

**2. Outcome Type :** Change in Knowledge Outcome Measure

**3. Associated Knowledge Area(s)**

- 608 - Community Resource Planning and Development
- 805 - Community Institutions, Health, and Social Services
- 903 - Communication, Education, and Information Delivery

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 3**

**1. Outcome Target**

Number of communities that build a knowledge base of resources for building civic engagement and leadership

**2. Outcome Type :** Change in Knowledge Outcome Measure

**3. Associated Knowledge Area(s)**

- 805 - Community Institutions, Health, and Social Services

- 903 - Communication, Education, and Information Delivery

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 4**

**1. Outcome Target**

Number of community leaders who learn processes and techniques for engaging citizens in community decision-making

**2. Outcome Type :** Change in Knowledge Outcome Measure

**3. Associated Knowledge Area(s)**

- 608 - Community Resource Planning and Development
- 805 - Community Institutions, Health, and Social Services

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 5**

**1. Outcome Target**

Number of communities that work with Extension to implement mechanisms/tools to analyze the current situation and identify emerging issues to be addressed.

**2. Outcome Type :** Change in Action Outcome Measure

**3. Associated Knowledge Area(s)**

- 602 - Business Management, Finance, and Taxation
- 608 - Community Resource Planning and Development
- 805 - Community Institutions, Health, and Social Services

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 6**

**1. Outcome Target**

Number of community leaders who develop a new understanding of the issues facing their community.

**2. Outcome Type :** Change in Knowledge Outcome Measure

**3. Associated Knowledge Area(s)**

- 602 - Business Management, Finance, and Taxation
- 608 - Community Resource Planning and Development
- 805 - Community Institutions, Health, and Social Services

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 7**

**1. Outcome Target**

Number of citizens who take on new leadership roles within their community as a result of Extension programs.

**2. Outcome Type :** Change in Action Outcome Measure

**3. Associated Knowledge Area(s)**

- 805 - Community Institutions, Health, and Social Services
- 903 - Communication, Education, and Information Delivery

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 8**

**1. Outcome Target**

Number of NH growers who increase their skills, knowledge, and/or awareness of farm management techniques, risk management programs, or marketing practices

**2. Outcome Type :** Change in Knowledge Outcome Measure

**3. Associated Knowledge Area(s)**

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation

#### 4. Associated Institute Type(s)

- 1862 Extension

#### Outcome # 9

##### 1. Outcome Target

Number of new businesses started as a result of Extension education programming

##### 2. Outcome Type : Change in Condition Outcome Measure

##### 3. Associated Knowledge Area(s)

- 601 - Economics of Agricultural Production and Farm Management
- 602 - Business Management, Finance, and Taxation
- 608 - Community Resource Planning and Development

##### 4. Associated Institute Type(s)

- 1862 Extension

#### V(J). Planned Program (External Factors)

##### 1. External Factors which may affect Outcomes

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Appropriations changes
- Competing Public priorities
- Populations changes (immigration, new cultural groupings, etc.)

##### Description

Changes in Extension priorities may occur as federal, state and county financial support changes

Support for local Extension work may limit the scope of staff activities.

Disasters and economic conditions may influence the short and long-term civic participation and leadership needs of NH residents.

#### V(K). Planned Program - Planned Evaluation Studies

##### Description of Planned Evaluation Studies

Community leaders, diverse community residents and Extension staff involved with towns undergoing Extension's community development programming will be surveyed by telephone to see what participatory decision-making is spawned as a result of Profiles and other programs. A follow-up

telephone survey gauges frequency of participatory planning activities directly or indirectly resulting from Profiles and other processes. A year end report will be produced by October 1. Data will be distributed to community leaders, legislators and others.

Questionnaires will be used at grower meetings to get information directly from farmers regarding new management practices adopted as a result of UNHCE educational efforts, be these farm visits, programs, newsletters, etc.

**V(A). Planned Program (Summary)**

**Program # 5**

**1. Name of the Planned Program**

Food Safety

**2. Brief summary about Planned Program**

The University of New Hampshire Cooperative Extension delivers science-based programs through many avenues to give people the knowledge, skills and motivation to achieve their economic and social goals. Food safety programs focus on training and resources for food handlers in restaurants, schools and other institutions as well as consumer education around food safety.

**3. Program existence :** Mature (More than five years)

**4. Program duration :** Long-Term (More than five years)

**5. Expending formula funds or state-matching funds :** Yes

**6. Expending other than formula funds or state-matching funds :** Yes

**V(B). Program Knowledge Area(s)**

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources	20%			
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins	70%			
723	Hazards to Human Health and Safety	10%			
	<b>Total</b>	100%			

**V(C). Planned Program (Situation and Scope)**

**1. Situation and priorities**

Food borne illness is one of the greatest concerns of public health experts and the food industry. Each year, as many as 76 million Americans experience food borne illness, and an estimated 5,000 deaths are linked to tainted foods. Incredible as these figures are, they probably represent only a fraction of the whole picture.

Many mild cases of food borne illness are never reported for a number of reasons: The victims pass off the symptoms as flu and do not seek medical attention, the illness is misdiagnosed as another problem with similar symptoms, the victim fails to recognize food as the source of the illness, or the physician doesn't report the illness to local health agencies. Diarrhea, nausea, abdominal pain, or vomiting without fever or upper respiratory distress is often taken to be flu, but people who experience such symptoms are highly

likely to be suffering from food borne illness.

**2. Scope of the Program**

- In-State Extension
- Multistate Extension

**V(D). Planned Program (Assumptions and Goals)**

**1. Assumptions made for the Program**

Cooperative Extension has the capacity to address the food safety educational needs of the residents of NH.

People are willing to pay fees associated with training sessions.

**2. Ultimate goal(s) of this Program**

Reduce the incidence of food borne illness in New Hampshire.

**V(E). Planned Program (Inputs)**

**1. Estimated Number of professional FTE/SYs to be budgeted for this Program**

Year	Extension		Research	
	1862	1890	1862	1890
2013	2.0	0.0	0.0	0.0
2014	2.0	0.0	0.0	0.0
2015	2.0	0.0	0.0	0.0
2016	2.0	0.0	0.0	0.0
2017	2.0	0.0	0.0	0.0

**V(F). Planned Program (Activity)**

**1. Activity for the Program**

ServSafe®, SAFE (Safety Awareness in the Food Environment)  
 Good Agricultural Practices (GAP) Training

**2. Type(s) of methods to be used to reach direct and indirect contacts**

<b>Extension</b>	
<b>Direct Methods</b>	<b>Indirect Methods</b>
<ul style="list-style-type: none"> <li>● Education Class</li> <li>● Workshop</li> </ul>	<ul style="list-style-type: none"> <li>● Public Service Announcement</li> <li>● Newsletters</li> <li>● TV Media Programs</li> <li>● Web sites other than eXtension</li> </ul>

**3. Description of targeted audience**

Food handlers at restaurants, schools, health facilities, etc. and the general public.

**V(G). Planned Program (Outputs)**

NIFA no longer requires you to report target numbers for standard output measures in the Plan of Work. However, all institutions will report actual numbers for standard output measures in the Annual Report of Accomplishments and Results. The standard outputs for which you must continue to collect data are:

- Number of contacts
  - Direct Adult Contacts
  - Indirect Adult Contacts
  - Direct Youth Contacts
  - Indirect Youth Contact
- Number of patents submitted
- Number of peer reviewed publications

Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

**V(H). State Defined Outputs**

**1. Output Measure**

- Number of farms attending USDA Good Agricultural Practices workshops
- Number of people who participate in ServSafe workshops, SAFE (Safety Awareness in the Food Environment)
- Number of adults participating in food safety programming through Nutrition Connections - educational courses to income eligible New Hampshire residents
- Number of youth participating in food safety programming through Nutrition Connections - educational courses to income eligible New Hampshire residents

- Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

**V(I). State Defined Outcome**

O. No	Outcome Name
1	Number of program participants who score 75% or greater on knowledge tests of high risk practices including: * Personal hygiene * Holding/time and temperature * Cooking temperatures * Prevention of contamination
2	Number of participants report keeping food at safe temperatures.
3	Number of farms receiving USDA Good Agricultural Practices certification as a result of Extension workshops.

**Outcome # 1**

**1. Outcome Target**

Number of program participants who score 75% or greater on knowledge tests of high risk practices including:

- \* Personal hygiene
- \* Holding/time and temperature
- \* Cooking temperatures
- \* Prevention of contamination

**2. Outcome Type : Change in Knowledge Outcome Measure**

**3. Associated Knowledge Area(s)**

- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins
- 723 - Hazards to Human Health and Safety

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 2**

**1. Outcome Target**

Number of participants report keeping food at safe temperatures.

**2. Outcome Type : Change in Action Outcome Measure**

**3. Associated Knowledge Area(s)**

- 712 - Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins
- 723 - Hazards to Human Health and Safety

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 3**

**1. Outcome Target**

Number of farms receiving USDA Good Agricultural Practices certification as a result of Extension workshops.

**2. Outcome Type : Change in Action Outcome Measure**

### **3. Associated Knowledge Area(s)**

- 711 - Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources
- 723 - Hazards to Human Health and Safety

### **4. Associated Institute Type(s)**

- 1862 Extension

## **V(J). Planned Program (External Factors)**

### **1. External Factors which may affect Outcomes**

- Public Policy changes
- Competing Programmatic Challenges

#### **Description**

{NO DATA ENTERED}

## **V(K). Planned Program - Planned Evaluation Studies**

### **Description of Planned Evaluation Studies**

A post-workshop knowledge questionnaire will be administered after each SAFE program. Examination scores of ServSafe® program participants will be used to ascertain food safety and sanitation knowledge. Participants in both SAFE and ServSafe® programs will complete another questionnaire to assess intent to implement recommended food safety and sanitation practices.

**V(A). Planned Program (Summary)**

**Program # 6**

**1. Name of the Planned Program**

Childhood Obesity

**2. Brief summary about Planned Program**

UNHCE has always been well known and is highly regarded for nutrition education programs for families and children across the state. Federal funding from USDA provides resources for continued support to programs that focus on the specific needs of limited resource families (Supplemental and Nutrition Assistance Program and the Expanded Food and Nutrition Education program). We will address high priority issues including obesity as both a personal health and public health/economic issue.

**3. Program existence :** Mature (More than five years)

**4. Program duration :** Long-Term (More than five years)

**5. Expending formula funds or state-matching funds :** Yes

**6. Expending other than formula funds or state-matching funds :** Yes

**V(B). Program Knowledge Area(s)**

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
703	Nutrition Education and Behavior	80%			
704	Nutrition and Hunger in the Population	20%			
	<b>Total</b>	100%			

**V(C). Planned Program (Situation and Scope)**

**1. Situation and priorities**

Nutrition plays a vital role in overall health. In fact, research has found that diet is associated with the leading causes of death, many of which are preventable heart disease, diabetes, obesity, and several types of cancer. Cardiovascular disease and cancer together account for almost two thirds of all deaths in the United States. Despite the importance of diet, however, Americans fail to achieve recommendations of the Dietary Guidelines which lower the risk of disease.

**2. Scope of the Program**

- In-State Extension

**V(D). Planned Program (Assumptions and Goals)**

**1. Assumptions made for the Program**

A committed and skilled professional staff will be retained.

Cooperative Extension has the capacity to address the educational needs of the residents of NH

Funding through NIFA, the state of NH and NH counties remains in place and is enhanced through sustainable grants, contracts and gifts.

**2. Ultimate goal(s) of this Program**

Increased health and well-being of the people of New Hampshire

Reduced rates of obesity

**V(E). Planned Program (Inputs)**

**1. Estimated Number of professional FTE/SYs to be budgeted for this Program**

Year	Extension		Research	
	1862	1890	1862	1890
2013	10.0	0.0	0.0	0.0
2014	10.0	0.0	0.0	0.0
2015	10.0	0.0	0.0	0.0
2016	10.0	0.0	0.0	0.0
2017	10.0	0.0	0.0	0.0

**V(F). Planned Program (Activity)**

**1. Activity for the Program**

Nutrition Connections - educational courses to income eligible NH residents - through the Expanded Food and Nutrition Education Program (EFNEP) and Supplemental Nutrition Education Program (SNAP-ed)

4-H Youth Development programs - Healthy Living/Healthy Choices

**2. Type(s) of methods to be used to reach direct and indirect contacts**

**Extension**

Direct Methods	Indirect Methods
<ul style="list-style-type: none"> <li>● Education Class</li> <li>● Group Discussion</li> <li>● One-on-One Intervention</li> <li>● Demonstrations</li> </ul>	<ul style="list-style-type: none"> <li>● Public Service Announcement</li> <li>● Newsletters</li> <li>● TV Media Programs</li> <li>● Web sites other than eXtension</li> </ul>

**3. Description of targeted audience**

Youth, ages 0-18

Limited-resource adults

### **V(G). Planned Program (Outputs)**

NIFA no longer requires you to report target numbers for standard output measures in the Plan of Work. However, all institutions will report actual numbers for standard output measures in the Annual Report of Accomplishments and Results. The standard outputs for which you must continue to collect data are:

- Number of contacts
  - Direct Adult Contacts
  - Indirect Adult Contacts
  - Direct Youth Contacts
  - Indirect Youth Contact
- Number of patents submitted
- Number of peer reviewed publications

Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

### **V(H). State Defined Outputs**

#### **1. Output Measure**

- Number of low-income adults participating in Nutrition Connections - educational courses to income eligible New Hampshire residents
- Number of youth participating in nutrition programming through Nutrition Connections
- Number of youth participating in 4-H Healthy Living programs

Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

**V(I). State Defined Outcome**

O. No	Outcome Name
1	Number of participants who report an increase in their physical activity
2	Number of youth who learn how to choose foods according to the Pyramid and Dietary Guidelines
3	Number of participants who report eating nearer to the recommended number of cup equivalents from the Fruits and Vegetable Group

**Outcome # 1**

**1. Outcome Target**

Number of participants who report an increase in their physical activity

**2. Outcome Type :** Change in Action Outcome Measure

**3. Associated Knowledge Area(s)**

- 703 - Nutrition Education and Behavior

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 2**

**1. Outcome Target**

Number of youth who learn how to choose foods according to the Pyramid and Dietary Guidelines

**2. Outcome Type :** Change in Knowledge Outcome Measure

**3. Associated Knowledge Area(s)**

- 703 - Nutrition Education and Behavior
- 704 - Nutrition and Hunger in the Population

**4. Associated Institute Type(s)**

- 1862 Extension

**Outcome # 3**

**1. Outcome Target**

Number of participants who report eating nearer to the recommended number of cup equivalents from the Fruits and Vegetable Group

**2. Outcome Type :** Change in Action Outcome Measure

**3. Associated Knowledge Area(s)**

- 703 - Nutrition Education and Behavior

#### **4. Associated Institute Type(s)**

- 1862 Extension

#### **V(J). Planned Program (External Factors)**

##### **1. External Factors which may affect Outcomes**

- Economy
- Populations changes (immigration, new cultural groupings, etc.)

##### **Description**

{NO DATA ENTERED}

#### **V(K). Planned Program - Planned Evaluation Studies**

##### **Description of Planned Evaluation Studies**

Evaluations for Nutrition Connections include retrospective behavior surveys, pre/post food recalls (adults only), direct observation

**V(A). Planned Program (Summary)**

**Program # 7**

**1. Name of the Planned Program**

Global Food Security and Hunger

**2. Brief summary about Planned Program**

no program planned at this time

**3. Program existence :** New (One year or less)

**4. Program duration :** Short-Term (One year or less)

**5. Expending formula funds or state-matching funds :** Yes

**6. Expending other than formula funds or state-matching funds :** No

**V(B). Program Knowledge Area(s)**

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
704	Nutrition and Hunger in the Population	100%			
	<b>Total</b>	100%			

**V(C). Planned Program (Situation and Scope)**

**1. Situation and priorities**

No programs planned at this time

**2. Scope of the Program**

- In-State Extension

**V(D). Planned Program (Assumptions and Goals)**

**1. Assumptions made for the Program**

No programs planned at this time

**2. Ultimate goal(s) of this Program**

No programs planned at this time

**V(E). Planned Program (Inputs)**

**1. Estimated Number of professional FTE/SYs to be budgeted for this Program**

Year	Extension		Research	
	1862	1890	1862	1890
2013	0.0	0.0	0.0	0.0
2014	0.0	0.0	0.0	0.0
2015	0.0	0.0	0.0	0.0
2016	0.0	0.0	0.0	0.0
2017	0.0	0.0	0.0	0.0

**V(F). Planned Program (Activity)**

**1. Activity for the Program**

No programs planned at this time

**2. Type(s) of methods to be used to reach direct and indirect contacts**

**Extension**

Direct Methods	Indirect Methods
<ul style="list-style-type: none"> <li>Other 1 (none)</li> </ul>	

**3. Description of targeted audience**

No programs planned at this time

### **V(G). Planned Program (Outputs)**

NIFA no longer requires you to report target numbers for standard output measures in the Plan of Work. However, all institutions will report actual numbers for standard output measures in the Annual Report of Accomplishments and Results. The standard outputs for which you must continue to collect data are:

- Number of contacts
  - Direct Adult Contacts
  - Indirect Adult Contacts
  - Direct Youth Contacts
  - Indirect Youth Contact
- Number of patents submitted
- Number of peer reviewed publications

Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

### **V(H). State Defined Outputs**

#### **1. Output Measure**

- none planned

Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

**V(I). State Defined Outcome**

O. No	Outcome Name
1	no outcomes defined for this program

**Outcome # 1**

**1. Outcome Target**

no outcomes defined for this program

**2. Outcome Type : Change in Knowledge Outcome Measure**

**3. Associated Knowledge Area(s)**

- 704 - Nutrition and Hunger in the Population

**4. Associated Institute Type(s)**

- 1862 Extension

**V(J). Planned Program (External Factors)**

**1. External Factors which may affect Outcomes**

- Economy
- Populations changes (immigration, new cultural groupings, etc.)

**Description**

No programs planned at this time

**V(K). Planned Program - Planned Evaluation Studies**

**Description of Planned Evaluation Studies**

no planned programs

**V(A). Planned Program (Summary)**

**Program # 8**

**1. Name of the Planned Program**

Climate Change

**2. Brief summary about Planned Program**

No activities planned at this time

**3. Program existence :** New (One year or less)

**4. Program duration :** Short-Term (One year or less)

**5. Expending formula funds or state-matching funds :** Yes

**6. Expending other than formula funds or state-matching funds :** No

**V(B). Program Knowledge Area(s)**

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
112	Watershed Protection and Management	100%			
	<b>Total</b>	100%			

**V(C). Planned Program (Situation and Scope)**

**1. Situation and priorities**

No programs planned at this time

**2. Scope of the Program**

- In-State Extension

**V(D). Planned Program (Assumptions and Goals)**

**1. Assumptions made for the Program**

No programs planned at this time

**2. Ultimate goal(s) of this Program**

No programs planned at this time

**V(E). Planned Program (Inputs)**

**1. Estimated Number of professional FTE/SYs to be budgeted for this Program**

Year	Extension		Research	
	1862	1890	1862	1890
2013	0.0	0.0	0.0	0.0
2014	0.0	0.0	0.0	0.0
2015	0.0	0.0	0.0	0.0
2016	0.0	0.0	0.0	0.0
2017	0.0	0.0	0.0	0.0

**V(F). Planned Program (Activity)**

**1. Activity for the Program**

No programs planned at this time

**2. Type(s) of methods to be used to reach direct and indirect contacts**

**Extension**

Direct Methods	Indirect Methods
<ul style="list-style-type: none"> <li>Other 1 (none planned)</li> </ul>	

**3. Description of targeted audience**

No programs planned at this time

### **V(G). Planned Program (Outputs)**

NIFA no longer requires you to report target numbers for standard output measures in the Plan of Work. However, all institutions will report actual numbers for standard output measures in the Annual Report of Accomplishments and Results. The standard outputs for which you must continue to collect data are:

- Number of contacts
  - Direct Adult Contacts
  - Indirect Adult Contacts
  - Direct Youth Contacts
  - Indirect Youth Contact
- Number of patents submitted
- Number of peer reviewed publications

Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

### **V(H). State Defined Outputs**

#### **1. Output Measure**

- none planned

Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

**V(I). State Defined Outcome**

O. No	Outcome Name
1	No defined outcomes have been defined for this program

**Outcome # 1**

**1. Outcome Target**

No defined outcomes have been defined for this program

**2. Outcome Type : Change in Knowledge Outcome Measure**

**3. Associated Knowledge Area(s)**

- 112 - Watershed Protection and Management

**4. Associated Institute Type(s)**

- 1862 Extension

**V(J). Planned Program (External Factors)**

**1. External Factors which may affect Outcomes**

- Economy
- Populations changes (immigration, new cultural groupings, etc.)

**Description**

No programs planned at this time

**V(K). Planned Program - Planned Evaluation Studies**

**Description of Planned Evaluation Studies**

No planned programs

**V(A). Planned Program (Summary)**

**Program # 9**

**1. Name of the Planned Program**

Sustainable Energy

**2. Brief summary about Planned Program**

No programs planned at this time.

**3. Program existence :** New (One year or less)

**4. Program duration :** Short-Term (One year or less)

**5. Expending formula funds or state-matching funds :** Yes

**6. Expending other than formula funds or state-matching funds :** No

**V(B). Program Knowledge Area(s)**

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
205	Plant Management Systems	100%			
	<b>Total</b>	100%			

**V(C). Planned Program (Situation and Scope)**

**1. Situation and priorities**

No programs planned at this time

**2. Scope of the Program**

- In-State Extension

**V(D). Planned Program (Assumptions and Goals)**

**1. Assumptions made for the Program**

No programs planned at this time

**2. Ultimate goal(s) of this Program**

No programs planned at this time

**V(E). Planned Program (Inputs)**

**1. Estimated Number of professional FTE/SYs to be budgeted for this Program**

Year	Extension		Research	
	1862	1890	1862	1890
2013	0.0	0.0	0.0	0.0
2014	0.0	0.0	0.0	0.0
2015	0.0	0.0	0.0	0.0
2016	0.0	0.0	0.0	0.0
2017	0.0	0.0	0.0	0.0

**V(F). Planned Program (Activity)**

**1. Activity for the Program**

No programs planned at this time

**2. Type(s) of methods to be used to reach direct and indirect contacts**

**Extension**

Direct Methods	Indirect Methods
<ul style="list-style-type: none"> <li>Other 1 (none planned)</li> </ul>	

**3. Description of targeted audience**

No programs planned at this time

### **V(G). Planned Program (Outputs)**

NIFA no longer requires you to report target numbers for standard output measures in the Plan of Work. However, all institutions will report actual numbers for standard output measures in the Annual Report of Accomplishments and Results. The standard outputs for which you must continue to collect data are:

- Number of contacts
  - Direct Adult Contacts
  - Indirect Adult Contacts
  - Direct Youth Contacts
  - Indirect Youth Contact
- Number of patents submitted
- Number of peer reviewed publications

Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

### **V(H). State Defined Outputs**

#### **1. Output Measure**

- none planned

Clicking this box affirms you will continue to collect data on these items and report the data in the Annual Report of Accomplishments and Results.

**V(I). State Defined Outcome**

O. No	Outcome Name
1	No defined outcomes for this program

**Outcome # 1**

**1. Outcome Target**

No defined outcomes for this program

**2. Outcome Type : Change in Knowledge Outcome Measure**

**3. Associated Knowledge Area(s)**

- 205 - Plant Management Systems

**4. Associated Institute Type(s)**

- 1862 Extension

**V(J). Planned Program (External Factors)**

**1. External Factors which may affect Outcomes**

- Economy
- Populations changes (immigration, new cultural groupings, etc.)

**Description**

No programs planned at this time

**V(K). Planned Program - Planned Evaluation Studies**

**Description of Planned Evaluation Studies**

No planned programs