

2012 University of New Hampshire Extension Annual Report of Accomplishments and Results

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I. Report Overview

1. Executive Summary

The University of New Hampshire Cooperative Extension (UNHCE) provides a direct link between UNH and people throughout the state. In partnership with local residents and volunteers, Cooperative Extension plans and conducts educational programs responsive to New Hampshire people and the issues they identify that are important to them.

Effective July 1, 2011, the state cut the University System of NH's budget by 48% (\$48 million) resulting in a total cut of \$32.5 million to the biennial budget appropriations for the University of New Hampshire. UNHCE has consequently experienced dramatic budget reductions with an initial decrease of \$1.7 million on July 1, 2011 resulting in a drop of 23 positions. This dramatic cut has resulted in a severely reduced capacity for educational programming in some areas, particularly family and consumer resources. Further, UNH Cooperative Extension underwent a major restructuring/reorganization in 2011 (see final reorganization plan - http://extension.unh.edu/resources/files/Resource002352_Rep3447.pdf)

We have a proud history of serving people throughout the state for over a century. UNHCE state specialists and Extension educators serve as an outreach arm for the University of New Hampshire (UNH), providing applied research and practical education primarily in agriculture and natural resources as well as in family, youth, and community development. This programming not only helps participants but also results in many indirect benefits for non-participant taxpayers.

As a University outreach program, we have a network of professional Extension educators (University of New Hampshire staff) located in all ten New Hampshire counties. Our staff work with local volunteers and specialists on the UNH campus to design and conduct educational programs that meet societal, environmental and economic needs. Further, eXtension has become a more prominent source of information for many of our clientele, particularly in areas we've lost staff capacity. A prominent link to eXtension.org is on our website and all of our staff now have an eXtension ID, with many of our specialists participating in Community of Practices (CoP). Further, many eXtension webinars are cross-posted on our staff development calendar. UNHCE specialists will continue to work with colleagues across the country to expand the eXtension knowledge base and UNHCE staff will assist clientele in finding the research-based information available to them via the Internet by promoting eXtension involvement.

UNH Cooperative Extension reaches one in four New Hampshire residents with information or assistance, and recruits, trains and supports over 4,000 trained volunteers who work with staff to conduct educational programs to reach a greater number of New Hampshire citizens (e.g., Master Gardeners, UNHCE Education Center Info Line staff, Lay Lake Monitors, Marine Docents, Wildlife Coverts, Tree Stewards, Great Bay Coast Watch, 4-H Leaders).

Total Actual Amount of professional FTEs/SYs for this State

Year: 2012	Extension		Research	
	1862	1890	1862	1890
Plan	78.0	0.0	0.0	0.0
Actual	72.0	0.0	0.0	0.0

II. Merit Review Process

1. The Merit Review Process that was Employed for this year

- External Non-University Panel
- Expert Peer Review

2. Brief Explanation

University of New Hampshire Cooperative Extension has entered into a formal agreement with Extension in Maine, Vermont, and Massachusetts to develop and implement a four-state web-based planning and reporting system. Through the on-line system, program staff and administrators can access the content of plans in all four states at the organizational level, the team level and for individuals. Extension administrators from each the four states utilize the system to review work that is occurring across the region. Ongoing monthly telephone meetings with the four states are an opportunity for each of the states to provide feedback on specific programs or on the statewide goals and initiatives. The process of developing this shared system has also resulted in discussions around regional programs, opportunities for multistate work, sharing staff resources and a much better understanding of how each of our unique programs are similar and different than others in New England.

As a result, the four states have agreed to provide periodic formal and informal merit review and feedback for each state as a component of our partnership. The new system provides access to each state plan of work for all four states, allowing for easy sharing of ideas and opportunities for further collaboration.

III. Stakeholder Input

1. Actions taken to seek stakeholder input that encouraged their participation

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

Brief explanation.

Stakeholder input was solicited mainly through county and state advisory councils. 140 citizen volunteers participate in county and state-wide Advisory Councils. These councils not only advise local Extension staff on the priorities of people living in the county, but also participate in hiring of new staff and performance reviews of existing staff. In addition, Extension administration met with each of these groups multiple times throughout the past year to insure stakeholders had input to

decisions made regarding the reorganization of UNH Cooperative Extension.

2(A). A brief statement of the process that was 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.

Council members are appointed for 2 year terms and identified based on their interests, the community where they live and experiences with some of Extension's target audiences. In most counties, Councils meet 8-10 times annually and the state advisory council meets twice per year.

2(B). A brief statement of the process that was 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

Brief explanation.

Specific input on staffing, budget and program priorities is solicited through discussion at meetings. Council members are identified based on input from other council members and staff continually look for individuals who might make good council members. Roles for council members include (but not limited to): advocacy on behalf of Extension, hiring/performance review of local staff, budget requests and program priorities.

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.

Brief Explanation of what you learned from your Stakeholders

Stakeholders are extremely interested in keeping educational programs relevant and impactful. Our stakeholders also include county and state decision makers and we're increasingly asked to provide evidence of impact, often as economic impact.

IV. Expenditure Summary

1. Total Actual Formula dollars Allocated (prepopulated from C-REEMS)			
Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
1678352	0	0	0

2. Totaled Actual dollars from Planned Programs Inputs				
Extension			Research	
	Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
Actual Formula	1678078	0	0	0
Actual Matching	1678078	0	0	0
Actual All Other	0	0	0	0
Total Actual Expended	3356156	0	0	0

3. Amount of Above Actual Formula Dollars Expended which comes from Carryover funds from previous				
Carryover	0	0	0	0

V. Planned Program Table of Content

S. No.	PROGRAM NAME
1	Forestry and Wildlife
2	Agricultural Resources
3	4-H Youth Development
4	Strengthening New Hampshire Communities through Civic Participation and Leadership
5	Family and Consumer Resources
6	Natural Resource Business Institute
7	Sea Grant and Water Resources
8	Food Safety
9	Childhood Obesity
10	Global Food Security and Hunger
11	Climate Change
12	Sustainable Energy

V(A). Planned Program (Summary)

Program # 1

1. Name of the Planned Program

Forestry and Wildlife

Reporting on this Program

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
123	Management and Sustainability of Forest Resources	60%			
124	Urban Forestry	20%			
135	Aquatic and Terrestrial Wildlife	20%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2012	Extension		Research	
	1862	1890	1862	1890
Plan	15.0	0.0	0.0	0.0
Actual Paid Professional	15.8	0.0	0.0	0.0
Actual Volunteer	20.7	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
386021	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
386021	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

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

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, Natural Resource Stewards, Master Gardeners, other community volunteers such as conservation commissions, etc.

2. Brief description of the target 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.

3. How was eXtension used?

Periodical professional development for staff and use of eXtension resources by volunteers as resource materials.

V(E). Planned Program (Outputs)

1. Standard output measures

2012	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	19155	507800	1963	0

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year: 2012

Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2012	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

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

Year	Actual
2012	532

Output #2

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

Year	Actual
2012	1439

Output #3

Output Measure

- People reached through media: press releases, newsletters, radio, TV, web, direct mailing

Year	Actual
2012	400000

Output #4

Output Measure

- People reached through presentations: workshops and talks regardless of audience

Year	Actual
2012	2618

Output #5

Output Measure

- Volunteers trained and supported: Coverts, Community Tree Stewards, and other community volunteers such as conservation commissions, etc.

Year	Actual
2012	436

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

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 Tree Steward and Coverts who volunteer each year beyond the required 40 hour commitment
11	Number of NH women who improve forest business management as a result of the Women and the Woods program
12	Number of acres enrolled in state conervation easements

Outcome #1

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	13229

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

New Hampshire is the second most forested state in the nation - 84% forested and 80% is privately owned - 2/3 of New Hampshire. Private lands and landowners provide important environmental and economic benefits and services. An estimated 120,000 people own at least an acre of forest. UNH Cooperative Extension increases the public value received from private lands and yet the majority of forest land and landowners haven't sought advice from us.

What has been done

As a result of individual contacts and workshop-based activity, Extension foresters referred 326 landowners owning 32,150 acres to licensed foresters who wrote forest stewardship plans on over 13,500 acres.

Results

Plans development by foresters represents approximately \$276,000 of direct economic activity as well as improved management and timber harvesting. Over 27% of New Hampshire's private forest land is managed according to an integrated forest stewardship plan.

4. Associated Knowledge Areas

KA Code	Knowledge Area
123	Management and Sustainability of Forest Resources

Outcome #2

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	15

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
123	Management and Sustainability of Forest Resources

Outcome #3

1. Outcome Measures

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. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	47

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
123	Management and Sustainability of Forest Resources

Outcome #4

1. Outcome Measures

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. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	436

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
124	Urban Forestry
135	Aquatic and Terrestrial Wildlife

Outcome #5

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	80

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
123	Management and Sustainability of Forest Resources

Outcome #6

1. Outcome Measures

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. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	2229

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
123	Management and Sustainability of Forest Resources

Outcome #7

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	9

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
123	Management and Sustainability of Forest Resources
135	Aquatic and Terrestrial Wildlife

Outcome #8

1. Outcome Measures

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

Not Reporting on this Outcome Measure

Outcome #9

1. Outcome Measures

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. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	44

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
123	Management and Sustainability of Forest Resources

Outcome #10

1. Outcome Measures

Number of Tree Steward and Coverts who volunteer each year beyond the required 40 hour commitment

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	150

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

The health of New Hampshire's environment depends on sound land use, strong conservation organizations and citizens engaged in natural resource management and conservation to maintain clean water, diverse natural areas and connected wildlife habitats. New Hampshire is currently experiencing a wide range of issues such as sprawling development, loss of natural areas, climate change, invasive species and declining rates of community and citizen engagement.

What has been done

Over 640 Coverts and Natural Resource Steward volunteers are actively involved in conservation in their communities.

Results

Volunteers contributed over 51,000 hours, working to minimize the effect of fragmentation and sprawl through open space initiatives, participating in local land trusts, town boards and other community-based initiatives. Volunteers actively manage over 140,000 acres and reached out to over 34,000 people with a message of sound forest stewardship and wildlife conservation.

4. Associated Knowledge Areas

KA Code	Knowledge Area
124	Urban Forestry
135	Aquatic and Terrestrial Wildlife

Outcome #11

1. Outcome Measures

Number of NH women who improve forest business management as a result of the Women and the Woods program

Not Reporting on this Outcome Measure

Outcome #12

1. Outcome Measures

Number of acres enrolled in state conservation easements

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	12658

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

This replaces the previous outcome measure - acres enrolled EACH year. This measure is the total number of acres, not just those enrolled in 2011.

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
123	Management and Sustainability of Forest Resources

V(H). Planned Program (External Factors)

External factors which affected outcomes

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

Brief Explanation

With a significant state budget cut, loss of staff and organizational change, most programmatic goals were reached, however challenges to capacity still remain. State budget cuts to our partners in NH Fish and Game and NH Dept of Resource Economics also impact our ability to work with land owners across the state.

V(I). Planned Program (Evaluation Studies)

Evaluation Results

A more comprehensive evaluation of the NH Coverts (volunteer) program yielded some very impactful results:

Since 1999 (the first year data is available), Coverts volunteers have contributed over 166,000 hours of service on behalf of wildlife and stewardship to the State of New Hampshire. This service has an estimated value of \$3.2 million (rate adjusted by year, using www.independentsector.org).

- Since 1999, volunteers have managed thousands of acres of land specifically for wildlife habitat:
 - 10,490 acres of grasslands & old fields have been kept open
 - 8,700 acres of early successional habitat have been created or maintained
 - 7,756 acres managed to enhance softwood habitats for snowshoe hare, deer, etc.
- Since 1999, Coverts volunteers have reached over 358,000 people through outreach efforts
- Since 1999, Coverts volunteers have worked to permanently conserve over 255,000 acres of land.

Key Items of Evaluation

nothing additional

V(A). Planned Program (Summary)

Program # 2

1. Name of the Planned Program

Agricultural Resources

Reporting on this Program

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	10%			
205	Plant Management Systems	20%			
211	Insects, Mites, and Other Arthropods Affecting Plants	10%			
212	Pathogens and Nematodes Affecting Plants	10%			
216	Integrated Pest Management Systems	15%			
315	Animal Welfare/Well-Being and Protection	10%			
601	Economics of Agricultural Production and Farm Management	5%			
602	Business Management, Finance, and Taxation	10%			
604	Marketing and Distribution Practices	10%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2012	Extension		Research	
	1862	1890	1862	1890
Plan	15.0	0.0	0.0	0.0
Actual Paid Professional	17.0	0.0	0.0	0.0
Actual Volunteer	5.2	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
402804	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
402804	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

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. Brief description of the target audience

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

3. How was eXtension used?

Resources from eXtension are shared via our website, particularly in areas we do not have staff expertise, such as equine and honey bees. In addition, we've begun marking several eXtension webinars to clientele, dairy goats, poultry and dairy cattle.

V(E). Planned Program (Outputs)

1. Standard output measures

2012	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	47610	197700	466	150

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year: 2012
 Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2012	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of people attending pasture walks
 Not reporting on this Output for this Annual Report

Output #2

Output Measure

- Number of farm/site visits, including kitchen table meetings and private consultations

Year	Actual
2012	1748

Output #3

Output Measure

- Number of people reached with agriculture information via radio and TV spots

Year	Actual
2012	197700

Output #4

Output Measure

- Number of people who attend twilight grower meetings

Year	Actual
2012	1841

Output #5

Output Measure

- Number of phone consultations regarding agricultural practices, home horticulture and miscellaneous agriculture topics

Year	Actual
2012	3964

Output #6

Output Measure

- Number of Pesticide Applicators attending recertification training

Year	Actual
2012	3194

Output #7

Output Measure

- Number of soil and plant analyses conducted by diagnostic labs

Year	Actual
2012	3403

Output #8

Output Measure

- Number of people reached through educational Workshops - Single & multi-day educational events such as grower schools, state-wide grazing events, etc.

Year	Actual
2012	23860

Output #9

Output Measure

- Number of people reached though conferences: Farm & Forest, Producer Association Meetings

Year	Actual
2012	7744

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

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 skills, knowledge, and/or awareness of farm management techniques, risk management programs, or marketing practices
5	Number of NH growers who increase their knowledge, awareness, and/or skills in crop production practices
6	Number of NH growers who increase knowledge, awareness, and/or skills in pest management practices and technologies.
7	Number of NH growers who increase knowledge, awareness, and/or skills in new research, technology
8	Number of participants who increase their knowledge, awareness and/or skills in practices and technologies to increase the quality of athletic fields, public spaces and/or golf course conditions
9	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.
10	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 Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	329

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
205	Plant Management Systems
216	Integrated Pest Management Systems
601	Economics of Agricultural Production and Farm Management

Outcome #2

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	3403

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
205	Plant Management Systems

Outcome #3

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	321

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
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

Outcome #4

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	382

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management

- 602 Business Management, Finance, and Taxation
- 604 Marketing and Distribution Practices

Outcome #5

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	1155

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Landscape and greenhouse horticulture is the largest sector of New Hampshire's agricultural economy with sales and services valued at \$276 million. Over 1,100 businesses (which employ over 12,000 people) are involved in plant production, retail sales and landscape services including lawn maintenance and tree care. The priorities of producers (greenhouse and nursery crops) and other green industry businesses are somewhat different than those of the consumer. Producers are focused on crop production and the economic viability of their businesses. However many nurseries and greenhouses are producing crops at less than optimal efficiencies. Labor, raw materials, and energy are becoming increasingly more expensive and/or are hard to source. Owners, operators and employees often lack sufficient knowledge and skills to maximize productivity while maintaining level or decreased inputs.

What has been done

During the months of August and September 2012 nine greenhouse energy audits were conducted in 7 of the 10 counties in New Hampshire. John Bartok, Agricultural Engineer - University of Connecticut, was hired to train four University of New Hampshire Cooperative Extension personnel to conduct walk-through greenhouse energy audits. The individuals trained include Brian Krug, Greenhouse/Floriculture Specialist, Nada Haddad, Rockingham County Educator, Margaret Hagen, Hillsborough County Educator, and Russ Norton, Carroll County Educator. Bartok assisted these individuals on four audits, giving guidance and instruction. Greenhouses audited were evaluated for heating and energy efficiency. Growers/owners were present during the audits and energy saving techniques specific to their operations were developed and explained. In addition each participant was given a written report that summarized the energy audit and suggestions to improve efficiencies. Growers were also advised on potential grants and cost sharing programs to assist them with costs of any improvements. Follow-up in

2012 with each of these operations determined what suggestions were implemented and estimated the impact on energy conservation.

Results

Communication with greenhouses participating in the energy audits showed that 6 out of 9 participants made changes based on the recommendations provided in the fall 2011 reports. Most operations made changes that did not require large capital investments, although one installed a wood pellet furnace and another a wood-fired boiler. Instead of repairing an inefficient greenhouse, one operation is planning to tear it down in spring 2013 and replace it with a new house. All reported sealing gaps around doors, louvers and shutters using weather-stripping, foam or frames designed specifically for the openings. Three greenhouses moved thermostats to crop height, one insulated the hot water pipes and heater, one installed knee walls on all sides, one insulated an endwall, two either installed horizontal air flow fans or changed their configuration to prevent disease problems, one installed new windows in an older house, one installed insulation around a cement foundation, and one installed insulation around the benches. Greenhouses invested anywhere from \$60 to \$5,000 in improvements, and most estimated that they saved at least 10 to 15% in energy costs during the 2012 growing season. In addition to the operation putting up a new house, 3 greenhouse operations plan to do the following in 2013: install new doors, replace a roof, and put IR plastic on 2 houses. All 6 operations who made improvements agreed that the visits and audit reports were helpful and were the catalyst for making changes.

4. Associated Knowledge Areas

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
205	Plant Management Systems
601	Economics of Agricultural Production and Farm Management

Outcome #6

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	3467

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Pests (weeds, insects and pathogens) can limit farm profitability through reduced yields. Research-based information about how to identify, diagnose or prevent pest problems can reduce costs and environmental impact of pest control strategies. This requires 1) correct identification of pests, and 2) an understanding of how pest and crop life cycles interact. Cultural controls include growing practices that favor crops while hindering pests. Chemical controls vary widely in terms of impacts on non-target organisms such as beneficial insects or humans, and the environment. Reduced-risk pesticides include both biological controls as well as chemicals that have fewer off-target effects than conventional pesticides.

What has been done

The goal of the Integrated Pest Management (IPM) program is to teach farmers how to manage pest problems in a more appropriate manner, without compromising crop yield or quality. We emphasize a 3 component approach: 1) monitoring conditions and pest populations 2) using cultural methods to suppress pest populations, and 3) prioritizing controls with the least environmental impact first.

During the 2012 growing season, thirty (30) fruit and vegetable farms at thirty-two farm sites in New Hampshire monitored for insect pests.

Twenty (20) of those farms monitored with pheromone traps for European Corn Borer, Corn Earworm and Fall Armyworm (sweet corn insect pests) at twenty-two (22) farm locations. Corn earworm and fall armyworm are unpredictable pests that can cause major damage to sweet corn because they blow in from the south and west.

Fifteen (15) of the farms monitored with pheromone traps for Squash Vine Borer. Squash Vine Borer is an insect pest of pumpkin, winter and summer squash. By trapping for Squash Vine Borer, growers were better able to determine when control measures were necessary to prevent damage to plants. Also, fifteen (15) giant pumpkin growers and gardeners monitored for Squash Vine Borer.

Sixteen (16) of the farms in New Hampshire monitored with traps for Spotted Wing Drosophila at seventeen (17) farm locations. By trapping Spotted Wing Drosophila, growers were better able to determine when control measures were necessary to prevent damage to the fruit.

Eight (8) orchards monitored with pheromone traps for Oriental Fruit Moth. Oriental Fruit Moth is an insect pest of peaches and apple and has not been a problem pest until recently at (10) orchard sites. Knowing the presence of Oriental Fruit Moth, orchardists were better able to determine when control measures were necessary to prevent damage to fruit trees.

Eight (8) orchards monitored with ten pheromone traps for each the Greater Peach Tree Borer and the Lessor Peach Tree Borer. Greater Peach Tree Borer and Lessor Peach Tree Borer are insect pests of peaches and other stone fruits and it has been a problem pest. Knowing the when presence of the Greater Peach Tree Borer and Lessor Peach Tree Borer are, orchardists were better able to determine when control measures were necessary to prevent damage to fruit trees.

Results

In apples, the incidence of pest injury at harvest this year was 3.0%. This is below the 25 year

average of 5.28%, and well below the pre-IPM average of 10 to 12%. Growers still report that they sprayed much less than the pattern before we introduced IPM. NASS estimates the 2012 crop was 392,850 bushels (down due to spring freeze), so the reduction in pest injury saved NH apple growers an estimated \$112,000 while reduced spraying saved them \$100,000. In small fruit, damage from a new pest from China (spotted wing drosophila) eliminated the savings growers experienced from our IPM work in small fruits. Based on preliminary grower survey results, losses would have been 3 to 5 times higher, without our extensive educational efforts on this new pest. In sweet corn, pest levels were relatively low this year. For much of the season, we saved growers money by reducing (unnecessary) spraying that they otherwise would have done. During August and September, our program reduced culling (throwing out infested ears - worth \$5-6/dozen) by alerting growers to the moth flights. The total impact (spray savings plus culling reduction) was \$150,000. In squash and pumpkins, spray savings were low, about \$4,800.

4. Associated Knowledge Areas

KA Code	Knowledge Area
211	Insects, Mites, and Other Arthropods Affecting Plants
212	Pathogens and Nematodes Affecting Plants
216	Integrated Pest Management Systems

Outcome #7

1. Outcome Measures

Number of NH growers who increase knowledge, awareness, and/or skills in new research, technology

Not Reporting on this Outcome Measure

Outcome #8

1. Outcome Measures

Number of participants who increase their knowledge, awareness and/or skills in practices and technologies to increase the quality of athletic fields, public spaces and/or golf course conditions

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	230

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

The reorganization over the past year did not call for filling the one position we had in this area so when this individual retired, we reduced the programming in this area significantly.

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
205	Plant Management Systems
216	Integrated Pest Management Systems

Outcome #9

1. Outcome Measures

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. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	1

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
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205	Plant Management Systems
216	Integrated Pest Management Systems
601	Economics of Agricultural Production and Farm Management

Outcome #10

1. Outcome Measures

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

Not Reporting on this Outcome Measure

V(H). Planned Program (External Factors)

External factors which affected outcomes

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

Brief Explanation

With a significant state budget cut, loss of staff and organizational change, most programmatic goals were reached, however challenges to capacity still remain. State budget cuts to our partners in the Department of Agriculture also impact our ability to work with producers across the state.

V(I). Planned Program (Evaluation Studies)

Evaluation Results

Nothing additional

Key Items of Evaluation

Nothing new to report at this time.

V(A). Planned Program (Summary)

Program # 3

1. Name of the Planned Program

4-H Youth Development

Reporting on this Program

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	10%			
805	Community Institutions, Health, and Social Services	10%			
806	Youth Development	80%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2012	Extension		Research	
	1862	1890	1862	1890
Plan	12.0	0.0	0.0	0.0
Actual Paid Professional	11.0	0.0	0.0	0.0
Actual Volunteer	31.0	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
251753	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
251753	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

- Recruit, screen, orient new volunteers
- Support and recognize volunteers
 - Middle manager system design and support
- Volunteer/staff training-multiple delivery methods
- Club/group organization, management, and reporting
- 4-H Afterschool (includes coalitions, meetings, staff training ,etc.)
 - CYFAR - (includes coalitions, meetings, staff training, etc.)
 - OMK - (includes coalitions, meetings, staff training, etc.)
- Technical support to youth serving agencies/organizations
 - Grant development
- Media, including radio, TV, newspaper (indirect)
- 4-H Foundation work (local and state-wide) - fund raising activities
- Marketing/PR, general 4-H newsletters
- Event and activity development and management
 - Subject matter/life skill training-multiple delivery methods
- Records, Resume, recognition opportunities
- County Fair

2. Brief description of the target audience

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

Adult volunteers, educators, decision makers, policy makers

3. How was eXtension used?

4-H Youth Development staff participated in several eXtension professional development opportunities, including the series on 4-H Guiding Principles.

V(E). Planned Program (Outputs)

1. Standard output measures

2012	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	13858	0	10945	0

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year: 2012
 Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2012	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of volunteers supported and recognized

Year	Actual
2012	2636

Output #2

Output Measure

- Number of volunteers trained

Year	Actual
2012	435

Output #3

Output Measure

- Number of clubs/groups supported

Year	Actual
2012	330

Output #4

Output Measure

- Number of youth enrolled in 4-H as a 4-H club, after school or special interest group member

Year	Actual
2012	5832

Output #5

Output Measure

- Number of youth and adults participating in community service projects

Year	Actual
2012	1368

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

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	NH Operation Military Kids Program

Outcome #1

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	337

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Recent research shows kids are spending less time outside than ever before and that this "nature deficit" is having significant negative impacts on physical and mental development. In today's pressure-oriented society, camp provides a non-threatening environment for America's youth to be active, to develop competence in life skills, to learn about and enhance their own abilities and to benefit from meaningful participation in a community designed just for them. In New Hampshire there are many youth residential camps which are ACA(American Camp Association) accredited, but few focus on the combination of environmental education and positive youth development.

What has been done

UNH Cooperative Extension, 4-H youth development cooperates with New Hampshire Fish and Game to provide the residential environmental educational camp in the White Mountain of New Hampshire, Barry Conservation 4-H Camp. Trained and certified staff and volunteers provide week long experiences for youth 10-16 years of age in: Fishing, shooting sports, hunter certification, basic environmental education and wilderness survival skills, plus a mini-camp experience for those young campers 8-10 years old. Camp provides children with a community of caring adults, who nurture experiential education that results in self-respect and appreciation for human value. All of the outcomes - self-identity, self-worth, self-esteem, leadership, and self-respect - build personal competencies. These personal competencies are reflected in the four "C's" of the camp community: compassion, contribution, commitment, and character. These "C's" of personal development mirror the positive youth development that happens in other 4 H experiences.

Results

Two hundred and seven campers were surveyed throughout the 2012 camping season. The questions were directed to determine the life skill development that occurs at Barry Conservation

4-H Camp.
Campers indicated that:

- 97% were responsible for their own behavior.
- 85% were concerned about the well-being of others.
- 91% learned that others' ideas were as important as their own.
- 93% tried to solve problems without being violent.
- 91% thought carefully before making decisions.
- 94% respected others who were different than me.
- 86% learned about my strengths and weaknesses.
- 94% contributed to the success of the team.
- 93% accepted people who thought or acted differently.

4. Associated Knowledge Areas

KA Code	Knowledge Area
802	Human Development and Family Well-Being
806	Youth Development

Outcome #2

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	717

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code **Knowledge Area**
806 Youth Development

Outcome #3

1. Outcome Measures

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

Not Reporting on this Outcome Measure

Outcome #4

1. Outcome Measures

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. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	1246

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code **Knowledge Area**
806 Youth Development

Outcome #5

1. Outcome Measures

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. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	413

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
806	Youth Development

Outcome #6

1. Outcome Measures

NH Operation Military Kids Program

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

New Hampshire Operation: Military Kids (OMK) collaborates with all branches of the military, as well as community organizations across the state, to provide sustainable local support services to military youth and their families before, during, and after deployment.

What has been done

OMK leads a coalition of partners such as National Guard, Reserve, and Active Duty military service components; the American Legion; State of NH departments and agencies, municipalities, and schools; the spiritual community; recreation departments; community coalitions; local businesses; and other youth and community organizations in a national outreach initiative that is present in 49 U.S. States and 2 U.S. Territories. CE MYFP provides direct year-round programming, camp opportunities, and support services, throughout every phase of the deployment cycle, to families and youth of service members from all branches of the military. Additional NH OMK efforts work to raise community awareness through education in order to foster a more comprehensive understanding regarding the impact of deployment on NH's military youth and families. CE MYFP builds sustainable local support services and networks for military youth, year-round programming providing summer and winter camp opportunities, participation in 4-H Clubs, youth-focused programming and events, UNH campus opportunities, and other targeted programs. OMK team members collaborate with groups across the state, creating networks of support for approximately 5,400 NH military children by connecting them with other military and non-military youth through a variety of recreational, social, and educational programs. Approximately 3,000 youth from NH military families are school age.

Results

Speak Out for Military Kids (SOMK): A youth-led, adult supported activity that gives a voice to military youth, enabling them to educate community members about what it is like to be a military kid. During FY 2012, NH OMK:

- Trained 7 new military and non-military youth as local community speakers through the SOMK program, who provided 16 unique presentations to 381 community members
- A survey of the SOMK Camp participants revealed, in part, the following:
 - 100% learned the importance of compromise when working with others in a group setting
 - 100% learned how to better share responsibility
 - 100% became better at listening to the ideas of others
 - 86% better understood the impact of their feelings and actions on others

Tour of Discovery Camps provided an opportunity for youth to enjoy traditional camp activities while attending themed camps focusing on the 4-H Mission Mandates of Science, Healthy Living,

and Citizenship. Participants revealed via written survey, in part, the following:

Campers learned more about:

- 91% science and technology due to building a trebuchet and bottle rocket
- 91% the importance of applying knowledge when designing structures
- 91% healthy eating
- 96% how to keep healthy by keeping active
- 88% fixing and cooking healthy foods

Campers also became better at:

- 95% sharing responsibility
- 84% sharing their ideas

Participants met campers and staff who:

- 97% made them feel good about themselves
- 89% helped them when they needed it
- 96% they plan to keep in touch with
- 90% listened if they were upset or had a problem
- 83% they can contact for help in the future
- Overall, 97% felt supported by OMK counselors

4. Associated Knowledge Areas

KA Code	Knowledge Area
802	Human Development and Family Well-Being
806	Youth Development

V(H). Planned Program (External Factors)

External factors which affected outcomes

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

Brief Explanation

V(I). Planned Program (Evaluation Studies)

Evaluation Results

Nothing additional to what's been reported.

Key Items of Evaluation

None at this time.

V(A). Planned Program (Summary)

Program # 4

1. Name of the Planned Program

Strengthening New Hampshire Communities through Civic Participation and Leadership

Reporting on this Program

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
805	Community Institutions, Health, and Social Services	50%			
806	Youth Development	10%			
903	Communication, Education, and Information Delivery	40%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2012	Extension		Research	
	1862	1890	1862	1890
Plan	3.0	0.0	0.0	0.0
Actual Paid Professional	1.5	0.0	0.0	0.0
Actual Volunteer	0.0	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
41959	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
41959	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

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

Economic and Tourism Development Assistance: 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: 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.

Facilitation/leadership skills course-provide yearly skills courses of two to five sessions to community leaders in group facilitation, participatory planning techniques and leadership.

Global Positioning System (GPS) Training: Provide training to community groups on using global positioning systems to map community assets.

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2. Brief description of the target audience

Mainly adult audiences will be addressed through civic participation and leadership programs. Particular emphasis will be made to include formal, informal, and potential community leaders and disenfranchised audiences (low-income, minority, individuals with disabilities).

3. How was eXtension used?

Several Community and Economic Development staff participate in CoP's and share their expertise widely.

V(E). Planned Program (Outputs)

1. Standard output measures

2012	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	750	1500	0	0

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year: 2012

Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2012	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of community leaders who complete a facilitation/leadership skills course

Year	Actual
2012	15

Output #2

Output Measure

- Number of people receiving Global Positioning System (GPS) Training

Year	Actual
2012	590

Output #3

Output Measure

- Number of people viewing web-based Inventory Citizen Engagement/Leadership Resources
Not reporting on this Output for this Annual Report

Output #4

Output Measure

- 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.
Not reporting on this Output for this Annual Report

Output #5

Output Measure

- Number of communities provided with technical assistance to enhance their decision making with regard to tourism and economic development plans, project, and activities.

Year	Actual
2012	24

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Number of groups/organizations around the state that network more effectively and share resources, expertise, and assistance with other groups. This will enable groups to provide more needed services to individuals and communities.
2	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)
3	Number of groups that learn to collaborate more effectively to form partnerships and/or community coalitions
4	Number of community leaders who learn skills to more effectively lead groups/organizations
5	Number of communities that build a knowledge base of resources for building civic engagement and leadership
6	Number of community leaders who learn processes and techniques for engaging citizens in community decision-making
7	Number of communities that work with Extension to implement mechanisms/tools to analyze the current situation and identify emerging issues to be addressed.
8	Number of community leaders who develop a new understanding of the issues facing their community.
9	Number of citizens who take on new leadership roles within their community as a result of Extension programs.
10	Number of action groups/committees that utilize UNH Cooperative Extension expertise in partnership with other agencies/organizations around the state to preserve and conserve open space.
11	Number of citizens and community leaders who develop a better understanding of local land use planning and zoning policies
12	Number of action groups/committees that engage diverse audiences in planning for the economic viability of their communities.
13	Crosscutting narrative for Strengthening NH Communities

Outcome #1

1. Outcome Measures

Number of groups/organizations around the state that network more effectively and share resources, expertise, and assistance with other groups. This will enable groups to provide more needed services to individuals and communities.

Not Reporting on this Outcome Measure

Outcome #2

1. Outcome Measures

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. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	15

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services

Outcome #3

1. Outcome Measures

Number of groups that learn to collaborate more effectively to form partnerships and/or community coalitions

Not Reporting on this Outcome Measure

Outcome #4

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	15

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services

Outcome #5

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	15

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services
903	Communication, Education, and Information Delivery

Outcome #6

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	15

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services

Outcome #7

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	25

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services

Outcome #8

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	30

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services
806	Youth Development

Outcome #9

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	104

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services
806	Youth Development
903	Communication, Education, and Information Delivery

Outcome #10

1. Outcome Measures

Number of action groups/committees that utilize UNH Cooperative Extension expertise in partnership with other agencies/organizations around the state to preserve and conserve open space.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	12

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services

Outcome #11

1. Outcome Measures

Number of citizens and community leaders who develop a better understanding of local land use planning and zoning policies

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	15

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services
903	Communication, Education, and Information Delivery

Outcome #12

1. Outcome Measures

Number of action groups/committees that engage diverse audiences in planning for the economic viability of their communities.

Not Reporting on this Outcome Measure

Outcome #13

1. Outcome Measures

Crosscutting narrative for Strengthening NH Communities

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Over the last decade, New Hampshire communities have faced many challenges related to loss of living-wage jobs, increasing economic competition from overseas, degradation of land and water resources, and declining public participation in community decision-making and local boards/committees. The following are a few facts that exemplify challenges faced by communities across the state:

- Some communities/regions across the state have experienced job losses in certain industry sectors over the last decade - including forest products, light manufacturing, health services - and decision-makers often lack the knowledge and resources to identify and pursue economic opportunities.
- Participation in community organizations/activities declined by over 50% over the last four decades, reducing communities' capacity to plan and implement projects and address community problems.
- Approximately 26% of New Hampshire businesses and residents lack broadband internet access, an infrastructure which is critical to job retention and growth.
- Roughly four out of five small businesses that were established in New Hampshire five years ago have since failed, many of which did not receive help or guidance from their local governments.

What has been done

The Community Development Program provides educational programs and technical assistance to communities to strengthen the local and regional economy, foster civic engagement, develop effective leaders, and steward the state's agricultural and natural resources. The following are a few of the programs offered by the Community Development Program.

- Economic development planning support and technical assistance to communities
- Technology tools and training to improve efficiency of small businesses and local governments
- Community Profiles visioning and support to communities for implementation of local projects
- Facilitation Skills for Local Decision Makers workshop
- Community Development Academy for community leaders

Results

- In 12 NH towns, team members are working with local officials to develop outreach and engagement plans to involve community members in land use issues and ordinance changes. The outreach and engagement plan include efforts to engage underrepresented populations.
- Economic development leaders in Somersworth and Bedford are working with Extension's Economic Development Specialist to identify and promote regional economic assets and target new business and economic development opportunities.
- Three organizations/agencies received planning support from UNH Cooperative Extension that resulted in the development of plans to protect, preserve, or enhance local, state and regional assets. These efforts were:
 - o Keep Growing - Regional Food Systems Planning (North Country/Northeast Kingdom)
 - o New Hampshire State Comprehensive Outdoor Recreation Plan
 - o State Groundwater Plan
- Extension provided training at ten venues (4 conferences and 6 individual workshops) to teach

small business owners how to ensure that their business is accurately listed on on-line mapping search engines like Google Maps. Workshop participants have taken control of their digital presence.

- One community engaged local residents in the process of revitalizing its Master Plan with the help of Cooperative Extension. The Master Plan has resulted in strategic investment by the community in infrastructure (library, sidewalks, etc.), modified regulations (infill development), and the creation of two action committees to pursue the goals outlined in the plan.

- Extension worked with the town of Peterborough to engage the residents in setting a vision for the physical development (redevelopment) of the town library. Sixty residents contributed their ideas and vision for a new/remodeled public library, which is currently earmarked for redevelopment.

- Twelve individuals learned how to facilitate public meetings through the facilitation workshop series in collaboration with the University of Maine Cooperative Extension. Several have since facilitated forums, meetings, and planning sessions for their communities/organizations.

- 18 different focus groups with underrepresented populations have been held across the state to gather input on issues relating to community planning for inclusion in nine regional plans being developed.

- Three surveys and a Granite State Poll have been conducted to determine broadband access and use in the education, business and municipal sectors which is the basis for developing sector specific broadband training and technical assistance.

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services
903	Communication, Education, and Information Delivery

V(H). Planned Program (External Factors)

External factors which affected outcomes

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

Brief Explanation

V(I). Planned Program (Evaluation Studies)

Evaluation Results

Nothing additional

Key Items of Evaluation

Nothing additional

V(A). Planned Program (Summary)

Program # 5

1. Name of the Planned Program

Family and Consumer Resources

Reporting on this Program

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
801	Individual and Family Resource Management	40%			
802	Human Development and Family Well-Being	60%			
Total		100%			

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2012	Extension		Research	
	1862	1890	1862	1890
Plan	11.0	0.0	0.0	0.0
Actual Paid Professional	10.0	0.0	0.0	0.0
Actual Volunteer	0.0	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
234969	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
234969	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

- Parenting Education such as Strengthening Families 10- 14, Dare To Be You, Family Focus, Supportive Connections for Single Parent Families, Stepfamilies, Relatives as Parents; Just-In-Time Parenting (age- paced newsletters); Single topic sessions including Positive Discipline, Raising Your Child's Self- Esteem
- Making Money Work for You, Planning Ahead...Staying Ahead, Credit Check Up, Debt Check Up, Starting Over Bankruptcy Education, Take the Road to Financial Security in Later Life, Investing for Your Future, Legally Secure Your Financial Future, High School Financial Planning

2. Brief description of the target audience

Parents, youth, human service agencies, families

3. How was eXtension used?

With the loss of several staff in this area including a state specialits in financial literacy, eXtension money management resources are used by staff and shared with stakeholders requesting information on this critical topic.

V(E). Planned Program (Outputs)

1. Standard output measures

2012	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	5534	846	0	0

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year: 2012
 Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2012	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of people participating in Better Kid Care, Promoting the Social Emotional Competence of Young Children, Collaborations with NH Resource and Referral Agencies
Not reporting on this Output for this Annual Report

Output #2

Output Measure

- Number of adults participating in Making Money Work for You, Planning Ahead...Staying Ahead, Credit Check Up, Debt Check Up, Starting Over Bankruptcy Education, Take the Road to Financial Security in Later Life, or Investing for Your Future

Year	Actual
2012	953

Output #3

Output Measure

- Number of people participating in Parenting Education such as Strengthening Families 10- 14, Dare To Be You, Family Focus, Supportive Connections for Single Parent Families, Stepfamilies, Relatives as Parents; receiving Cradle Crier and Toddler Tales

Year	Actual
2012	1073

Output #4

Output Measure

- Number of youth participating in Making Money Work for You, Planning Ahead...Staying Ahead, Credit Check Up, Debt Check Up, Starting Over Bankruptcy Education, Take the Road to Financial Security in Later Life, or Investing for Your Future
Not reporting on this Output for this Annual Report

Output #5

Output Measure

- Number of people participating in Understanding Bullying training

Year	Actual
2012	1986

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Number of program participants who report utilizing effective practices that lead to quality child care experiences
2	Number of money management education participants who document their improved money management practices on evaluation instruments
3	Number of program participants who document an increase in their financial literacy on evaluation instruments
4	Number of participants reporting a positive change in family functioning and resiliency as indicated by such behaviors as listening to one another, talking about and solving problems and pulling together when faced with stressful situations.
5	Number of participants that indicate a positive increase in their ability to access social support such as having someone to talk to when their family is in crisis, facing problems, or when they feel lonely.
6	Number of participants that report a positive change in their ability to provide nurturing and attachment to their child(ren) as indicated by the frequency they felt happy being with their child, they felt close to their child, were able to soothe their child when he/she was upset, and spending time with their child doing what he or she likes
7	Number of participants that indicate an increase in their Understanding of Child Development and Knowledge of Parenting
8	Number of participants that indicate that as a direct result of their participation in this Cooperative Extension Program, they have improved their behavior related to parenting, stress/time management, family coping, communication, conflict management, and/or access to services and support
9	Number of participants that indicate satisfaction with their quality of life including their family relationships, their community's schools, their ability to access health care and with their neighborhood and community

Outcome #1

1. Outcome Measures

Number of program participants who report utilizing effective practices that lead to quality child care experiences

Not Reporting on this Outcome Measure

Outcome #2

1. Outcome Measures

Number of money management education participants who document their improved money management practices on evaluation instruments

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	325

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Most Americans strive to reach financial security, defined as the ability to save and invest for future goals, while effectively meeting current day-to-day basic financial needs. Many Americans are vulnerable, potentially facing financial crisis because of too much debt, too little savings, or inadequate planning. USDA National Institute of Food and Agriculture indicates that more than half of Americans report living paycheck to paycheck, having little or no cushion for unexpected life events.

What has been done

UNHCE financial management education provides knowledge designed to improve existing habits and help participants establish and reach their own financial goals. Program goals include decreasing debt, increasing savings, and increasing participant confidence in making their own financial decisions.

During this program year, UNHCE formed a statewide collaboration with More Than Wheels, a partnership which has increased the number of financial education programs offered and the number of residents who are able to access available programs. UNHCE teaches the financial education portion of the More Than Wheels program. More Than Wheels is an award-winning

nonprofit organization that helps people get the best deal on a reliable, fuel-efficient, affordable car through car dealers with whom the organization works.

Results

Focused on Hillsborough County - the highest population county in the state and where the majority of participants came from.

In total, 440 people, including 21 professionals who will use the knowledge learned in their work with vulnerable families in communities across the County, participated in Hillsborough County UNHCE financial education classes in 2011-12.

In the program evaluations returned, 90% of participants giving ratings found the overall program helpful or very helpful, and 92% found the educational materials helpful or very helpful. On other measures:

- 88% expected to use the knowledge gained from the program to better manage their income and expenses.
- 79% expected to increase savings as a result of knowledge gained.
- 74% expected to decrease debt as a result of knowledge gained.

4. Associated Knowledge Areas

KA Code	Knowledge Area
801	Individual and Family Resource Management

Outcome #3

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	850

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
801	Individual and Family Resource Management

Outcome #4

1. Outcome Measures

Number of participants reporting a positive change in family functioning and resiliency as indicated by such behaviors as listening to one another, talking about and solving problems and pulling together when faced with stressful situations.

Not Reporting on this Outcome Measure

Outcome #5

1. Outcome Measures

Number of participants that indicate a positive increase in their ability to access social support such as having someone to talk to when their family is in crisis, facing problems, or when they feel lonely.

Not Reporting on this Outcome Measure

Outcome #6

1. Outcome Measures

Number of participants that report a positive change in their ability to provide nurturing and attachment to their child(ren) as indicated by the frequency they felt happy being with their child, they felt close to their child, were able to soothe their child when he/she was upset, and spending time with their child doing what he or she likes

Not Reporting on this Outcome Measure

Outcome #7

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Due to early retirements and reductions in staff, no evaluation data was collected for parenting education programming.

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
802	Human Development and Family Well-Being

Outcome #8

1. Outcome Measures

Number of participants that indicate that as a direct result of their participation in this Cooperative Extension Program, they have improved their behavior related to parenting, stress/time management, family coping, communication, conflict management, and/or access to services and support

Not Reporting on this Outcome Measure

Outcome #9

1. Outcome Measures

Number of participants that indicate satisfaction with their quality of life including their family relationships, their community's schools, their ability to access health care and with their neighborhood and community

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	150

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
801	Individual and Family Resource Management
802	Human Development and Family Well-Being

V(H). Planned Program (External Factors)

External factors which affected outcomes

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

Brief Explanation

State budget cuts and subsequent early retirements and reduction in force decisions resulted in fewer staff working in Family and Consumer Resources programming at UNH Cooperative Extension. Parenting education and financial literacy were areas particularly affected. The loss of a key state specialist position resulted in a void in leadership for evaluating state financial literacy and parenting education programs and redirection of other staff made implementation and evaluation of parenting education programs particularly challenging.

V(I). Planned Program (Evaluation Studies)

Evaluation Results

Financial Literacy:

In the program evaluations returned, 90% of participants giving ratings found the overall program helpful or very helpful, and 92% found the educational materials helpful or very helpful. On other measures:

- 88% expected to use the knowledge gained from the program to better manage their income and expenses.
- 79% expected to increase savings as a result of knowledge gained.
- 74% expected to decrease debt as a result of knowledge gained.

Key Items of Evaluation

Nothing additional

V(A). Planned Program (Summary)

Program # 6

1. Name of the Planned Program

Natural Resource Business Institute

Reporting on this Program

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	25%			
602	Business Management, Finance, and Taxation	25%			
604	Marketing and Distribution Practices	25%			
605	Natural Resource and Environmental Economics	25%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2012	Extension		Research	
	1862	1890	1862	1890
Plan	1.0	0.0	0.0	0.0
Actual Paid Professional	1.0	0.0	0.0	0.0
Actual Volunteer	0.0	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
25175	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
25175	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

Conduct one or two 13-week, intensive Natural Resources Business Institutes annually across the state for new and existing natural resource-based businesses. The institute will include forty hours of instruction, homework, and the opportunity for participants to receive college credit.

2. Brief description of the target audience

People interested in starting or already running natural resource-based businesses in New Hampshire

3. How was eXtension used?

eXtension was not used in this program

V(E). Planned Program (Outputs)

1. Standard output measures

2012	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	18	0	0	0

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year: 2012
 Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2012	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of people completing the Natural Resource Business Institute

Year	Actual
2012	18

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Number of participants who start, expand or modify a business enterprise
2	Number of participants who report completing a planning worksheets on a regular basis

Outcome #1

1. Outcome Measures

Number of participants who start, expand or modify a business enterprise

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	16

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices
605	Natural Resource and Environmental Economics

Outcome #2

1. Outcome Measures

Number of participants who report completing a planning worksheets on a regular basis

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	13

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Economy
- Competing Programmatic Challenges

Brief Explanation

V(I). Planned Program (Evaluation Studies)

Evaluation Results

Of the 18 participants, 7 were planning on starting a new business, 4 made the initial steps. The remaining 11 participants were expanding or modifying existing operations, 3 presented evidence of change.

Key Items of Evaluation

Nothing at this time.

V(A). Planned Program (Summary)

Program # 7

1. Name of the Planned Program

Sea Grant and Water Resources

Reporting on this Program

Reason for not reporting

Given the Reorganization of UNH Cooperative Extension, results of Sea Grant programming is included/reported under our Natural Resources and Forestry and Wildlife programming.

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2012	Extension		Research	
	1862	1890	1862	1890
Plan	5.0	0.0	0.0	0.0
Actual Paid Professional	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
Actual Volunteer	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
1862 Matching	1890 Matching	1862 Matching	1890 Matching
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
1862 All Other	1890 All Other	1862 All Other	1890 All Other
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

V(D). Planned Program (Activity)

1. Brief description of the Activity

COMMERCIAL FISHERIES

- 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;
 - Safety drill conductor training.
 - Welding safe practices and techniques.
 - Weather interpretation and forecasting.
 - Marine engine repair.
- 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.

LAND AND WATER CONSERVATION

- 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
- 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
- Facilitate community meetings to develop action plans for implementing water and natural resource based planning

COASTAL ECOSYSTEM HEALTH AND COMMUNITIES

- Broadcast educational messages over low power radio (Great Bay Area Radio) to motorists about the estuary, research, educational opportunities and Sea Grant.

- Conduct at least 5 activity-based Great Bay Discovery Cruises.
- Provide information to communities and development professionals to encourage the use of more innovative stormwater management.
- Produce printed, presentation, web and other educational materials

MARINE SCIENCE EDUCATION

- Review and revise existing programs and curriculum materials to support teaching core science standards through a marine context
- Develop new marine education K-12 Sea Trek programs that reflect emerging national scientific issues and address prioritized education standards
- Expand our programs and materials that target adult audiences and recruit and train a cadre of Docents specifically for that role
- Develop programs focused on high school level teachers and students that provide exposure to marine research and encourage students to pursue marine fields in college and beyond

WATER QUALITY

- Hold water quality monitoring training sessions for new and existing volunteers - conduct field 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

2. Brief description of the target audience

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

3. How was eXtension used?

{No Data Entered}

V(E). Planned Program (Outputs)

1. Standard output measures

2012	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	0	0	0	0

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year: 2012

Actual: {No Data Entered}

Patents listed

{No Data Entered}

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2012	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of water quality monitoring training sessions held for new and existing volunteers

Year	Actual
2012	0

Output #2

Output Measure

- Number of annual lake reports and coastal reports published on water quality assessments from volunteer monitoring efforts

Year	Actual
------	--------

2012 0

Output #3

Output Measure

- Number of new volunteers trained in proper water quality sampling methods and who participate in seasonal sampling as part of the Great Bay Coastal Watch or Lakes Lay Monitoring Program

Year	Actual
2012	0

Output #4

Output Measure

- Number of hours NH Lakes Lay Monitoring Program volunteers contribute toward conducting water quality monitoring and analysis activities in their local watersheds

Year	Actual
2012	0

Output #5

Output Measure

- Number of towns and conservation groups provided with direct assistance regarding land and water conservation

Year	Actual
2012	0

Output #6

Output Measure

- Number of NROC communities provided with water resource/water quality related technical assistance

Year	Actual
2012	0

Output #7

Output Measure

- 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.

Year	Actual
2012	0

Output #8

Output Measure

- Number of published 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.

Year	Actual
2012	0

Output #9

Output Measure

- Number of Safety-at-Sea programs held.

Year	Actual
2012	0

Output #10

Output Measure

- Number of homeowners provided with information about home and yard care practices that prevent or minimize contamination of water resources via runoff.

Year	Actual
2012	0

Output #11

Output Measure

- Number of communities and development professionals provided information to encourage the use of more innovative stormwater management.

Year	Actual
2012	0

Output #12

Output Measure

- Number of fishermen trained in safe welding practices

Year	Actual
2012	0

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Number of fishermen who choose non-mandatory conservation-minded gear over traditional equipment
2	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
3	Number of fishermen who successfully complete cooperative research projects
4	Number of communities to develop action plans that include a variety of approaches for making progress in community-based natural resource protection projects.
5	Percent of new or existing volunteer monitoring programs that request assistance and then initiate enhanced or expanded program efforts due to assistance provided by the project
6	Number of fishermen who gain knowledge increase knowledge of new conservation fishing gear that reduces benthic habitat impact.
7	Number of fishermen who become certified as safety drill conductors.
8	Number of communities to implement or start to implement a natural resource protection project.
9	Number of community decision makers, conservation groups or development professionals who report gaining knowledge about preventing degradation from storm water runoff.
10	Number of community decision-makers and Coverts Cooperators who identify actions they will take to conserve the state's biodiversity.

Outcome #1

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

{No Data Entered}

What has been done

{No Data Entered}

Results

{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
{No Data}	null

Outcome #2

1. Outcome Measures

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. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)
{No Data Entered}

What has been done
{No Data Entered}

Results
{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
{No Data}	null

Outcome #3

1. Outcome Measures

Number of fishermen who successfully complete cooperative research projects

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
------	--------

2012 0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)
{No Data Entered}

What has been done
{No Data Entered}

Results
{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
{No Data}	null

Outcome #4

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)
{No Data Entered}

What has been done
{No Data Entered}

Results

{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
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{No Data}	null
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Outcome #5

1. Outcome Measures

Percent of new or existing volunteer monitoring programs that request assistance and then initiate enhanced or expanded program efforts due to assistance provided by the project

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

{No Data Entered}

What has been done

{No Data Entered}

Results

{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
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{No Data}	null
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Outcome #6

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

{No Data Entered}

What has been done

{No Data Entered}

Results

{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
{No Data}	null

Outcome #7

1. Outcome Measures

Number of fishermen who become certified as safety drill conductors.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)
{No Data Entered}

What has been done
{No Data Entered}

Results
{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
{No Data}	null

Outcome #8

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
------	--------

2012 0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)
{No Data Entered}

What has been done
{No Data Entered}

Results
{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
{No Data}	null

Outcome #9

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)
{No Data Entered}

What has been done
{No Data Entered}

Results
{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
{No Data}	null

Outcome #10

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)
{No Data Entered}

What has been done
{No Data Entered}

Results
{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
{No Data}	null

V(H). Planned Program (External Factors)

External factors which affected outcomes

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

Brief Explanation

{No Data Entered}

V(I). Planned Program (Evaluation Studies)

Evaluation Results

{No Data Entered}

Key Items of Evaluation

{No Data Entered}

V(A). Planned Program (Summary)

Program # 8

1. Name of the Planned Program

Food Safety

Reporting on this Program

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	10%			
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins	30%			
723	Hazards to Human Health and Safety	60%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2012	Extension		Research	
	1862	1890	1862	1890
Plan	3.0	0.0	0.0	0.0
Actual Paid Professional	4.0	0.0	0.0	0.0
Actual Volunteer	0.0	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
100701	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
100701	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

ServSafe®, SAFE (Safety Awareness in the Food Environment)

Food safety and preservation education for consumers.

Good Agricultural Practices (GAP) Training

2. Brief description of the target audience

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

3. How was eXtension used?

eXtension was not used in this program

V(E). Planned Program (Outputs)

1. Standard output measures

2012	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	1483	0	5932	0

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year: 2012

Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2012	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of participants in food safety and preservation education for consumers

Year	Actual
2012	22

Output #2

Output Measure

- Number of farms attending USDA Good Agricultural Practices workshops
Not reporting on this Output for this Annual Report

Output #3

Output Measure

- Number of people who participate in ServSafe workshops, SAFE (Safety Awareness in the Food Environment)

Year	Actual
2012	812

Output #4

Output Measure

- Number of adults participating in food safety programming through Nutrition Connections - educational courses to income eligible New Hampshire residents

Year	Actual
2012	364

Output #5

Output Measure

- Number of youth participating in food safety programming through Nutrition Connections - educational courses to income eligible New Hampshire residents

Year	Actual
2012	5932

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

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.
4	Crosscutting Food Safety Impact Statement

Outcome #1

1. Outcome Measures

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. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	682

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See Crosscutting impact statement

What has been done

Results

4. Associated Knowledge Areas

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

Outcome #2

1. Outcome Measures

Number of participants report keeping food at safe temperatures.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	560

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See Crosscutting impact statement

What has been done

Results

4. Associated Knowledge Areas

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

Outcome #3

1. Outcome Measures

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

Not Reporting on this Outcome Measure

Outcome #4

1. Outcome Measures

Crosscutting Food Safety Impact Statement

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

The U.S. Centers for Disease Control and Prevention estimates that each year approximately 1 out of 6 Americans or 48 million people get sick from a foodborne illness. Of those people who get sick, 128,000 are hospitalized and 3,000 die from their illness. Demographic and lifestyle changes have increasingly shifted the responsibility for the safety of food from the consumer to other sectors of the food system. The National Restaurant Association reports that consumers spend approximately 49% of their food dollar in restaurants. As a state dependent on the tourism industry, the food service industry in New Hampshire is an important sector of the economy. New Hampshire regulations do not require food managers or workers to have formal training in foods safety and/or sanitation.

What has been done

The Safety Awareness in the Food Environment program (SAFE) is a two-hour, one-session program targeting food workers. The program focuses on personal hygiene, cross contamination, and time and temperature principles. SAFE is evaluated with a post-workshop knowledge questionnaire. The program is implemented in all of New Hampshire's ten counties.

Three UNH Cooperative Extension Food & Agriculture Field Specialists are certified ServSafe® instructors. ServSafe® is a national food safety and sanitation certification program. ServSafe® programs are offered to food managers/workers throughout the state.

Results

45 SAFE programs were conducted in FY 2012 reaching 812 food workers and food pantry volunteers in NH. 766 post-workshop questionnaires were received. 682 participants (89%) scored 75% or greater on the food safety knowledge questionnaire. SAFE program participants were asked to identify at least one change they planned to make in their food handling practices as a result of attending the program. The most frequently cited practices were: washing hands, wearing gloves, taking food temperatures, avoiding cross contamination, and cleaning surfaces. When asked to describe the strength of their intention to implement these practices, 69% answered that it was very likely and 18% answered that it was between somewhat and very likely. 283 food managers/workers were administered the ServSafe® examination and/or participated in a ServSafe® program. 257 participants (91%) passed the examination with a score of 75% or greater.

4. Associated Knowledge Areas

KA Code	Knowledge Area
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins
723	Hazards to Human Health and Safety

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Public Policy changes
- Competing Programmatic Challenges

Brief Explanation

Given the reorganization over the past year, Good Agricultural Practices programming was temporarily discontinued in many portions of the state. However, this is a program that will be strengthened in the coming year.

V(I). Planned Program (Evaluation Studies)

Evaluation Results

45 SAFE programs were conducted in FY 2012 reaching 812 food workers and food pantry volunteers in NH. 766 post-workshop questionnaires were received. 682 participants (89%) scored 75% or greater on the food safety knowledge questionnaire. SAFE program participants were asked to identify at least one change they planned to make in their food handling practices as a result of attending the program. The most frequently cited practices were: washing hands, wearing gloves, taking food temperatures, avoiding cross contamination, and cleaning surfaces. When asked to describe the strength of their intention to implement these practices, 69% answered that it was very likely and 18% answered that it was between somewhat and very likely.

283 food managers/workers were administered the ServSafe® examination and/or participated in a ServSafe® program. 257 participants (91%) passed the examination with a score of 75% or greater.

Key Items of Evaluation

Food Safety programs continue to be highly effective in NH and are critical to the tourism industry here.

V(A). Planned Program (Summary)

Program # 9

1. Name of the Planned Program

Childhood Obesity

Reporting on this Program

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	75%			
704	Nutrition and Hunger in the Population	25%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2012	Extension		Research	
	1862	1890	1862	1890
Plan	10.0	0.0	0.0	0.0
Actual Paid Professional	10.0	0.0	0.0	0.0
Actual Volunteer	1.7	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
234696	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
234696	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

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. Brief description of the target audience

Youth, ages 0-18

Limited-resource adults

3. How was eXtension used?

eXtension was not used in this program

V(E). Planned Program (Outputs)

1. Standard output measures

2012	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	3449	0	12830	0

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year: 2012

Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2012	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of low-income adults participating in Nutrition Connections - educational courses to income eligible New Hampshire residents

Year Actual

2012 1306

Output #2

Output Measure

- Number of youth participating in nutrition programming through Nutrition Connections

Year	Actual
2012	5932

Output #3

Output Measure

- Number of youth participating in 4-H Healthy Living programs

Year	Actual
2012	6898

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

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
4	Nutrition Education - Crosscutting narrative
5	4-H Healty Living

Outcome #1

1. Outcome Measures

Number of participants who report an increase in their physical activity

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	724

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting impact statement

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
703	Nutrition Education and Behavior

Outcome #2

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	11000

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
703	Nutrition Education and Behavior
704	Nutrition and Hunger in the Population

Outcome #3

1. Outcome Measures

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

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	3000

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting impact statement

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
703	Nutrition Education and Behavior

Outcome #4

1. Outcome Measures

Nutrition Education - Crosscutting narrative

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

With the changing economy, the number of SNAP households and individuals in New Hampshire has risen dramatically. In 2009 there were 28,478 households representing 57,771 individuals. In 2011, the number of households had risen to 54, 634 representing 114,023 individuals, about 1 in 10 people receiving SNAP benefits. In 2012, Nutrition Connections reached 53,226 SNAP households representing 111,775 individuals with nutrition education.

Physical activity and nutrition play vital roles in overall health. Research has found that diet is associated with the leading causes of death, many of which are preventable; heart disease, obesity, diabetes, and several types of cancer. While rates of overweight and obesity continue to escalate, those with lower incomes have the highest rates of overweight and obesity. Among low-income preschool children, 1 in 3 is obese or overweight before their 5th birthday. However, lifestyle choices (along with other environmental factors and genetics) have a power influence on one's health and quality of life. Following the USDA Dietary Guidelines can help.

What has been done

Nutrition Connections consists of two federal nutrition initiatives, EFNEP (Expanded Food and Nutrition Education Program) and SNAP-Ed (Supplemental Nutrition Assistance Program)

Education), whose key mission is to provide education to low-income audiences in the areas of nutrition, physical activity, food budgeting/shopping, cooking, and food safety. A total of 1306 families participated in one or more nutrition education lessons. EFNEP programming reached 184 individuals in a series of lessons. This last year staff have worked to build stronger relationships with new and existing agencies to recruit more families with children, a shift in our focus from previous years. SNAP-Ed programming reached 1122 individuals with one or two lessons with 487 in a series of lessons. Over 3449 persons in program families were impacted with nutrition education this past year.

A total of 5932 youth, in 328 groups, participated in a series of lessons. Youth from pre-school through high school were reached in school, after-school settings and other youth related organizations. EFNEP programming reached 1313 youth and SNAP-Ed programming reached 4619 youth.

Results

Entry and exit food recalls and survey question evaluation for both programs show that:

- 52.5% of participants eat closer to the USDA recommendation for fruit, in addition, the average serving of fruit increased by 0.3 cups
- 55.8% of participants eat closer to the vegetable recommendation, the average serving of vegetables increased by 0.2 cups
- The mean fiber intake increased by 3.3 grams
- 95.9% of participants eat closer to the general recommendations of the Dietary Guidelines and MyPlate
- 21.5% of participants improved the amount of their daily physical activity
- 64% (236 of 367) of participants more often thought about healthy foods
- 32% (116 of 367) of participants more often did not use salt
- 69% (257 of 370) of participants more often read food labels
- 88% of participants improved at least one nutrition practice: choosing healthy foods, not using salt, reading food labels

Observations of students from teachers hosting a nutrition series include:

- Students are willing to try different foods and I heard some of them say they talked to their parents about the class.
- During snack time students are reading labels
- More students bring water rather than juice boxes for snack

4. Associated Knowledge Areas

KA Code	Knowledge Area
703	Nutrition Education and Behavior
704	Nutrition and Hunger in the Population

Outcome #5

1. Outcome Measures

4-H Healty Living

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2012	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

A major youth issue in NH is 32.8% of the children between 6-12 years of age are obese or over weight and 13% of those 10-17 years of age overweight. This is enhanced by poor nutrition habits, lack of exercise and general wellness habits. New Hampshire is considered a wealthy state but the recent slow-downs in economy shown by the closing of paper mills, laying off of teachers, decreasing in health related services and the rural poor emerging as a target audience. There is a need to increase food preparation skills in family members to decrease the number of processed foods and increase the number of fresh vegetables served daily.

What has been done

Enabled by a grant through National 4-H Council and the Walmart Foundation, 4-H youth development educators, 4-H members and volunteers, nutrition connection staff and master gardeners worked together to address the identified issues. School and community gardens and 4-H gardens were established to raise fresh produce for their families and support community food banks by planting a row for the hungry. Nutrition education and cooking classes were taught through the 4-H clubs, OMK camps, and Cooking matters programming for youth and adults. Nutrition Connection staff taught in the schools and in afterschool programs.

Results

Over 5700 youth and 600 adults participated in some aspect of the project and three extension program areas worked together to address a major issue.

- Over 1500 youth and 109 adults created 12 new school gardens and 2 new community gardens in five counties.
- Twenty Stonyfield Yogurt employees volunteered three times for a total of 240 hours in the 4-H Teaching Garden to help open up, provide routine maintenance and help with harvest and closing the garden while the company donated \$3,000 to support the garden.

- Over 7000 pounds of fresh vegetables were provided to the New Hampshire food bank in Manchester, and at local food pantries in five counties of the state.
- 4-H clubs pledged to increase the amount of physical movement at club activities and to only serve water or fruit juices eliminating drinks with sugar added.
- Over 400 4-H members and 80 adults increased their awareness of hunger in their own communities by working in the soup kitchen or food pantry. They learned hunger is a year round problem not only in the winter. Club and county events have increased the number of ongoing food drives to support the local food pantries and 4-H gardens in 5 counties planted rows for the hungry to provide additional fresh vegetables to the food pantry.
- Five mobile kitchens were established to aide Nutrition connection staff in their teaching the principles of MyPlate and 5-2-1-0 in school and out of school. They reached over 3340 youth with 6+ hours of teaching time.

4. Associated Knowledge Areas

KA Code	Knowledge Area
703	Nutrition Education and Behavior

V(H). Planned Program (External Factors)

External factors which affected outcomes

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

Brief Explanation

V(I). Planned Program (Evaluation Studies)

Evaluation Results

Entry and exit food recalls and survey question evaluation for both programs show that:

- 52.5% of participants eat closer to the USDA recommendation for fruit, in addition, the average serving of fruit increased by 0.3 cups
- 55.8% of participants eat closer to the vegetable recommendation, the average serving of vegetables increased by 0.2 cups
- The mean fiber intake increased by 3.3 grams
- 95.9% of participants eat closer to the general recommendations of the Dietary Guidelines and MyPlate
- 21.5% of participants improved the amount of their daily physical activity
- 64% (236 of 367) of participants more often thought about healthy foods
- 32% (116 of 367) of participants more often did not use salt
- 69% (257 of 370) of participants more often read food labels
- 88% of participants improved at least one nutrition practice: choosing healthy foods, not using salt, reading food labels

Observations of students from teachers hosting a nutrition series include:

- Students are willing to try different foods and I heard some of them say they talked to their parents about the class.
- During snack time students are reading labels
- More students bring water rather than juice boxes for snack

Key Items of Evaluation

nothing new to report

V(A). Planned Program (Summary)

Program # 10

1. Name of the Planned Program

Global Food Security and Hunger

- Reporting on this Program
 - Reason for not reporting
 - No program activity planned for 2012

V(B). Program Knowledge Area(s)

- 1. Program Knowledge Areas and Percentage

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2012	Extension		Research	
	1862	1890	1862	1890
Plan	0.0	0.0	0.0	0.0
Actual Paid Professional	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
Actual Volunteer	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
1862 Matching	1890 Matching	1862 Matching	1890 Matching
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
1862 All Other	1890 All Other	1862 All Other	1890 All Other
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

V(D). Planned Program (Activity)

1. Brief description of the Activity

2. Brief description of the target audience

3. How was eXtension used?

{No Data Entered}

V(E). Planned Program (Outputs)

1. Standard output measures

2012	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	0	0	0	0

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year: 2012

Actual: {No Data Entered}

Patents listed

{No Data Entered}

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2012	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- {No Data Entered}

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

Outcome #1

1. Outcome Measures

{No Data Entered}

V(H). Planned Program (External Factors)

External factors which affected outcomes

Brief Explanation

{No Data Entered}

V(I). Planned Program (Evaluation Studies)

Evaluation Results

{No Data Entered}

Key Items of Evaluation

{No Data Entered}

V(A). Planned Program (Summary)

Program # 11

1. Name of the Planned Program

Climate Change

- Reporting on this Program
 - Reason for not reporting
 - No program activity planned for 2012

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2012	Extension		Research	
	1862	1890	1862	1890
Plan	0.0	0.0	0.0	0.0
Actual Paid Professional	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
Actual Volunteer	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
1862 Matching	1890 Matching	1862 Matching	1890 Matching
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
1862 All Other	1890 All Other	1862 All Other	1890 All Other
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

V(D). Planned Program (Activity)

1. Brief description of the Activity

2. Brief description of the target audience

3. How was eXtension used?

{No Data Entered}

V(E). Planned Program (Outputs)

1. Standard output measures

2012	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	0	0	0	0

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year: 2012

Actual: {No Data Entered}

Patents listed

{No Data Entered}

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2012	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- {No Data Entered}

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

Outcome #1

1. Outcome Measures

{No Data Entered}

V(H). Planned Program (External Factors)

External factors which affected outcomes

Brief Explanation

{No Data Entered}

V(I). Planned Program (Evaluation Studies)

Evaluation Results

{No Data Entered}

Key Items of Evaluation

{No Data Entered}

V(A). Planned Program (Summary)

Program # 12

1. Name of the Planned Program

Sustainable Energy

- Reporting on this Program
 - Reason for not reporting
 - No program activity planned for 2012

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2012	Extension		Research	
	1862	1890	1862	1890
Plan	0.0	0.0	0.0	0.0
Actual Paid Professional	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
Actual Volunteer	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
1862 Matching	1890 Matching	1862 Matching	1890 Matching
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
1862 All Other	1890 All Other	1862 All Other	1890 All Other
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

V(D). Planned Program (Activity)

1. Brief description of the Activity

2. Brief description of the target audience

3. How was eXtension used?

{No Data Entered}

V(E). Planned Program (Outputs)

1. Standard output measures

2012	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	0	0	0	0

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year: 2012

Actual: {No Data Entered}

Patents listed

{No Data Entered}

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2012	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- {No Data Entered}

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

Outcome #1

1. Outcome Measures

{No Data Entered}

V(H). Planned Program (External Factors)

External factors which affected outcomes

Brief Explanation

{No Data Entered}

V(I). Planned Program (Evaluation Studies)

Evaluation Results

{No Data Entered}

Key Items of Evaluation

{No Data Entered}