

# 2010 University of Maine Extension Annual Report of Accomplishments and Results

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## I. Report Overview

### 1. Executive Summary

#### Extension Evolution

During 2010, we completed the final phase of a 2-year planning process resulting in a refocused plan of work. Driven by tightening budgets and new USDA/NIFA priorities, we have consolidated our resources into seven Planned Programs:

Programs based on NIFA Priorities:

- Global Food Security and Hunger
- Climate Change
- Sustainable Energy
- Childhood Obesity
- Food Safety

Programs based on Additional Maine Priorities:

- Sustainable Youth, Family and Community Development
- Sustainable Community & Economic Development

Inherent in each priority issue is the opportunity to develop the leadership capacities of volunteers, business owners, or community groups focused on that priority issue; to address the interplay between human behavior and climate change; and the options and consequences of the choices we make with awareness of the implications for social, economic and environmental sustainability.

**Our Digital Evolution:** The past year marks an important division between our past and our future. While still believing in the value of human connection, we have put a strong emphasis on developing digital resources and educational programs in order to meet the measure of how people learn and interact in the world, now and in the future. We are creating new educational videos that address an ever-widening array of needs that are shared across the University of Maine website and embedded in online publications making it possible for anyone to learn how to grow, harvest, and/or preserve strawberries in Maine, ...or learn about food safety at farmer's markets, ... or understand how to look for BEDBUGS, ...and much, much more. Is it working? Google Analytics data suggests an enormous response, exponentially extending our ability to help people access research-based information and improve their lives.

#### Extension Success

**Signs of the Seasons** is a partnership between UMaine Extension, Maine Sea Grant and a group of advisors who have developed a complementary suite of indicators that will contribute to a more accurate profile of the fingerprint of climate change impacts in Maine, and help citizen monitors in our 4-H, Master Gardeners, and coastal volunteers understand how global climate change is affecting the plant and animal species they care about and depend upon. The project has formed a unique partnership among state, regional, and national entities, including practitioners of informal education, climate research, and communications to collect data on the seasonal cycles of plants and animals. Coastal and inland citizens engaged in environmental monitoring will contribute to an understanding of our changing climate first-hand and help people to adapt appropriately.

NIFA's National Water Program selected **Northeast Drinking Water and Human Health - Education, Testing, and Drinking Safe Water** as a 2010 Program of Excellence. According to National Program Leader Michael O'Neill the Region 1 collaboration made a significant contribution in dealing with the challenges of helping people learn to address the quality and safety of their own water.

UMaine Extension has been successful in promoting grant opportunities and fostering the submission of quality proposals to **Northeast Sustainable Agriculture, Research, and Education (SARE)** through grant-writing workshops, and one-on-one guidance to farmers, educators, and researchers, held. During 2009 and 2010, our Outreach Coordinator reached approximately 500 people with information about SARE mini-grant programs and provided direct individual guidance to 12 farmers and 3 agricultural professionals developing grant proposals. Maine leads the Northeast in the number of Farmer-Grower grants awarded relative to the number of farms in the state. Over the last 10 years:

- .. 51 Farmer-Grower grant projects have been funded for more than \$313, 600.
- .. 16 Research and Education grants have been funded for more than \$2,002,600
- .. 5 Professional Development grants have been funded for more than \$221,500 total
- .. 13 Partnership grants have been funded for more than \$104,600
- .. 8 Sustainable Community grants have been funded for more than \$102,900.

**The Agricultural Economy:** Our work with agriculture is fundamental - we are an important cog in the machinery that keeps agriculture strong in Maine. We add value through applied research, interacting directly with producers, and working with agricultural related businesses. Some examples:

UMaine Extension has fostered a fledgling artisan cheese making industry that is showing signs of success. For example, in 2005, one dairy farm turned to Extension to help them learn, plan, and develop a cheese making operation. In 2010 their production exceeded 500,000 pounds and their management credits Extension as being the change-agent that enabled this new value added product success.

The University of Maine Animal Health Laboratory (UM AHL) is the only site offering veterinary diagnostic services for poultry in Maine. The Lab offers necropsy and flock health services, as well as a certified salmonella laboratory capable of helping any farm to comply with FDA requirements. We also assist regional veterinarians in poultry and livestock cases. The lab has, in the last 20 years, been a vital member of Maine's salmonella risk reduction program, through which Maine's egg consumers have avoided egg-associated food-borne disease.

We offer a Farm Business Course aimed at helping existing local farmers, and those thinking about becoming farmers, transitioning farm ownership, or become better business managers, and hence, more profitable. Participants learned about selecting and evaluating a new farm enterprise, writing a business plan, enterprise budgets, record-keeping, and market research.

UMaine Extension works regionally to help transitioning organic dairy farms remain profitable and ecologically sound by shifting their farming systems to an integrated model that relies less on expensive concentrates purchased from far away and more on high quality local forage. With over 60 farms in Maine and 200 in Vermont having transitioned to organic dairy production in the last 10 years, the price for organic grain concentrates has skyrocketed. Our multistate project utilized University facilities and farmer participants to research and expand on-farm organic grain production. A database of yield potentials for organic winter and spring grains has been developed along with information on small grain silages harvested at various stages of maturity. This information has helped over 150 organic farmers reduce expenses, increase direct profits, and maintain value-added financial and environmental benefits of operating organically.

**Decreasing Lobster Pound Mortality:** One of the risks of lobster trading is holding stock to sell during winter months when prices are higher. Retailers hold lobsters in "pounds" until a suitable market price is reached. However, the economic advantage of impounding is greatly lessened due to mortality caused by stress and disease, reported as high as 20 percent or \$56 million statewide. UMaine Extension and the UMaine Animal Health Laboratory conducted a large study of stressors in lobster handling during

2009 and found that fast hauling speeds, depth of water, and rough handling produce a measurable stress in lobsters, leading to mortality losses. The study identified a microbial agent that appears to have a role in the shrinkage seen in the pounds, correction of which is projected to significantly reduce mortality and result in millions in additional revenue.

**4-H @ UMaine Weekend: Connecting Kids to Campus** is often the first opportunity for rural kids from Maine to experience a University. Each year we bring approximately 80 youth and adult volunteers from all parts of the state to learn about college living and studying at the University of Maine. During the weekend-long visit kids participate in discovery activities with a focus on science, engineering, and technology led by our diverse faculty and graduate students, participate in student life by staying in dorms, eating on campus, and even working out at the campus fitness center.

This year after attending 4-H @ UMaine weekend:

- .. 98 percent were thinking about going to college
- .. Two thirds are planning to study Science, Engineering or Technology as their chosen field
- .. 75 percent reported that 4-H @ UMaine weekend helped them with decision making about their future career/educational goals
- .. 81 percent were more confident that their social and academic life in college would be satisfying.

UMaine Extension is on the move. Times are tough, but the opportunities to make a difference for Maine people are many. We are proud to report that UMaine Extension's faculty and staff continues to perform excellent work. We are committed to working successfully with a broad range of partners to meet the needs of Maine people, and we understand that community-based collaboration is key to achieving measurable results. As we move into the future we are taking a long-range perspective by positioning ourselves for the next 20-30 years by:

- .. Revolutionizing our outreach through technology,
  - .. Adapting to economic and programmatic priorities in Maine and as expressed by USDA/NIFA,
- and
- .. Continuing to emphasize educational outreach that enables positive changes in the lives of those with whom we work.

We believe that the need for University outreach through a committed, enthusiastic, and energized Cooperative Extension program has never been greater.

**Total Actual Amount of professional FTEs/SYs for this State**

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Plan	95.0	0.0	8.0	0.0
Actual	71.0	0.0	9.5	0.0

**II. Merit Review Process**

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

- Internal University Panel
- External University Panel
- External Non-University Panel
- Expert Peer Review

- Other ( )

## 2. Brief Explanation

The University of Maine Cooperative Extension is a member of the New England Planning and Reporting Consortium, a formalized partnership of Extension programs in Massachusetts, New Hampshire, Maine, and Vermont. As part of our multi-state collaboration, we have also developed a rotating multi-state Merit Review process to allow each state partner to receive a thorough peer-review of their state Plans of Work every four years. This rotational process is accomplished by faculty committees who review planned programs that relate to their own programming expertise.

As reported in our 2009 Annual Report of Accomplishments, late last year we completed a planning process that served as the foundation for our future Plans of Work. Informed by that process, our team and individual plans are currently in place and the formal multi-state & multi-institutional review process described above has been initiated. Results will be collated in the spring of 2011. Our future plans will be adjusted accordingly as a result of recommendations.

## III. Stakeholder Input

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

- Use of media to announce public meetings and listening sessions
- Targeted invitation to traditional stakeholder groups
- Targeted invitation to traditional stakeholder individuals
- Targeted invitation to non-traditional stakeholder individuals
- Targeted invitation to selected individuals from general public
- Survey of traditional stakeholder groups
- Survey of traditional stakeholder individuals
- Other (Research using relevant current and first-source data)

#### Brief explanation.

A cross-section of stakeholders with diverse roles are currently engaged in reviewing our work in addressing our planned programs using consistent criteria. Reviewers are being asked to evaluate the justification for our work, quality and measurability of outcomes, evaluation intentions, and consistency with our mission. Reviewers are:

#### Global Food Security and Hunger

- Maine Potato Board - Don Flannery
- Maine Organic Farmers and Growers Association - Russell Libby
- Vermont Extension - Dr. Bob Parsons
- Maine Department of Agriculture, Food and Rural Resources - John Harker
- University of Southern Maine Department of Horticulture - Cheryl Rich
- Maine Department of Agriculture, Food and Rural Resources - Ann Gibbs
- Maine Dairy Industry Association - Julie Marie Bickford
- Maine Board of Pesticides Control - Gary Fish
- UMaine Department of Biological Sciences - Dr. Eleanor Groden

#### Climate Change

- Maine State Climatologist -Dr. George L. Jacobson,
- Maine Department of Environmental Protection - Roy Bouchard
- George Mitchell Center for Environmental and Watershed Research - John Peckenham
- UMaine Department of Plant and Soil Science -Ivan Fernandez

Sustainable Energy

- .. USDA Forest Service Northeastern Research Station Forestry Sciences - Roger Monthey
- .. UMaine Department of Resource Economics and Policy - Dr. Stewart Smith

Childhood Obesity

- .. UMaine Department of Food Science & Human Nutrition - Dr. Adrienne White
- .. Maine Nutrition Network - Chris Sady

Food Safety

- .. University of New Hampshire Extension - Dr. Catherine Violette
- .. UMaine Department of Food Science & Human Nutrition - Dr. Vivian Chi-Hua Wu

Maine Priority Issues; Sustainable Youth, Families, and Communities

- .. UMaine College of Education and Human Development - Dr. Mary Bird
- .. UMaine Employee Assistance Program - Dr. Polly Moutevelis-Burgess
- .. UMaine College of Education and Human Development - Dr. Gary Schilmoeller
- .. National 4H Council - Dr. Suzanne Le Menestrel
- .. University of Delaware Extension - Mark J. Manno

Maine Priority Issues; Sustainable Community and Economic Development

- .. Maine Community Foundation - Meredith Jones
- .. Maine Rural Partners - Mary Ann Hayes
- .. Maine Senate - Tom Saviello, Wilton, ME

Our ongoing process also includes interaction with partners who connect directly with citizens in focused ways and represent their interests accordingly. Selected examples include:

- .. Our partnership with citizen executive committees who provide direction and advice to each County Extension program in Maine and help to prioritize regional programming efforts.

- .. Quarterly interactions with the Maine Board of Agriculture as a representative of agricultural commodity groups, organizations, state government, and related industries.

- .. The Wild Blueberry Commission of Maine who represents the industry growers and processors, and who administers a state tax fund of approximately \$1 million.

- .. The Maine Potato Board, composed principally of Maine-based potato farmers who offer input and advice backed up with support for research through their education and research committees.

- .. The Pine Tree State 4-H Foundation who works as a close partner to enrich youth experiences through our 4-H Youth Development Program.

- .. A variety of advisory boards and councils who are formed with targeted intent to guide the work of some of our important programs. Examples include the Senior Companion Advisory Board, the Maine Sea Grant Policy Advisory Committee, Tanglewood 4-H Camp and Learning Center Board. and the Maine Board of Pesticides Control.

**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
- Other (Identify and analyze issues)

**Brief explanation.**

{NO DATA ENTERED}

**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
- Meeting with the general public (open meeting advertised to all)
- Meeting specifically with non-traditional groups
- Other (Research using relevant current and first source data)

**Brief explanation.**

{NO DATA ENTERED}

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

- In the Budget Process
- To Identify Emerging Issues
- Redirect Extension Programs
- Redirect Research Programs
- In the Staff Hiring Process
- To Set Priorities

**Brief explanation.**

An example: According to Feeding America, hunger is a reality for 1 out of every 8 Americans. Demand for supplemental food from food banks is growing - with an increased demand of 30 percent over the past 12 months. Unfortunately, this increased demand is occurring when donations to food banks are declining. This is primarily due to grocery stores becoming better at forecasting demand thus minimizing overstocks. In addition, with rising food prices, the money available to food banks doesn't have the purchasing power of a year ago. Under this new economic reality, providing food to those in need will require creative ways to solve an old problem. Over the years we have learned that growing the produce is the easy part; distributing it effectively and efficiently to those in need in our rural area is challenging. UMaine Extension has mobilized its volunteers to grow, glean, and distribute over 70 tons of fresh produce annually for Maine residents who do not have enough.

**Brief Explanation of what you learned from your Stakeholders**

Through our partnership with the UMaine College of Natural Sciences, Forestry, and Agriculture and the Maine Agricultural and Forest Experiment Station, we represent the Maine Agricultural Center, which supports stakeholder-driven agricultural research and education for Maine. Examples of recent projects include:

- .. Prototheca Bovine Mastitis
- .. Mycorrhizal Fungi Colonization of Leeks
- .. Red and Specialty Potato Evaluation
- .. Vacuum Silage
- .. The Effect of Scape Removal on Garlic Yield
- .. Grass Finished and Natural Beef

IV. Expenditure Summary

<b>1. Total Actual Formula dollars Allocated (prepopulated from C-REEMS)</b>			
<b>Extension</b>		<b>Research</b>	
<b>Smith-Lever 3b &amp; 3c</b>	<b>1890 Extension</b>	<b>Hatch</b>	<b>Evans-Allen</b>
2292622	0	0	0

<b>2. Totaled Actual dollars from Planned Programs Inputs</b>				
<b>Extension</b>			<b>Research</b>	
	<b>Smith-Lever 3b &amp; 3c</b>	<b>1890 Extension</b>	<b>Hatch</b>	<b>Evans-Allen</b>
<b>Actual Formula</b>	2260858	0	0	0
<b>Actual Matching</b>	7717903	0	0	0
<b>Actual All Other</b>	6093607	0	0	0
<b>Total Actual Expended</b>	16072368	0	0	0

<b>3. Amount of Above Actual Formula Dollars Expended which comes from Carryover funds from previous</b>				
<b>Carryover</b>	822503	0	0	0

**V. Planned Program Table of Content**

S. No.	PROGRAM NAME
1	Global Food Security and Hunger
2	Climate Change
3	Sustainable Energy
4	Childhood Obesity
5	Food Safety
6	Sustainable Community and Economic Development
7	Sustainable Youth, Families, and Communities
8	Administrative Plan of Work; Planning and Supervision
9	Agriculture - Crop Production
10	Agriculture - Sustainable Business Management
11	Coastal and Marine
12	Entrepreneurship - Small and Home Based Business
13	Community Development: Capacity-building Skills
14	Environmental Education - Sustainable Living
15	Family Relations and Transitions
16	Forestry and Wildlife
17	Healthy Lifestyles
18	Health Literacy, Disease, and Our Health Care System
19	Home Horticulture
20	Maine Livestock Industry
21	Pest Management
22	Sustainable Communities
23	Watershed Management
24	Youth Development
25	Aging Lifestyles



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

**Program # 1**

**1. Name of the Planned Program**

Global Food Security and Hunger

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

**1. Program Knowledge Areas and Percentage**

<b>KA Code</b>	<b>Knowledge Area</b>	<b>%1862 Extension</b>	<b>%1890 Extension</b>	<b>%1862 Research</b>	<b>%1890 Research</b>
102	Soil, Plant, Water, Nutrient Relationships	10%			
205	Plant Management Systems	15%			
206	Basic Plant Biology	5%			
213	Weeds Affecting Plants	5%			
216	Integrated Pest Management Systems	25%			
311	Animal Diseases	5%			
315	Animal Welfare/Well-Being and Protection	5%			
601	Economics of Agricultural Production and Farm Management	15%			
602	Business Management, Finance, and Taxation	15%			
	<b>Total</b>	100%			

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

**1. Actual amount of professional FTE/SYs expended this Program**

<b>Year: 2010</b>	<b>Extension</b>		<b>Research</b>	
	<b>1862</b>	<b>1890</b>	<b>1862</b>	<b>1890</b>

Actual	24.4	0.0	0.0	0.0
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**2. Actual dollars expended in this Program (includes Carryover Funds from previous years)**

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
830792	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
3189186	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
2335326	0	0	0

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

**1. Brief description of the Activity**

- Crop Production Activities (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Crop Production Activities (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- General activities related to Global Food Security and Hunger (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- General activities related to Global Food Security and Hunger (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- Home Horticulture Activities (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- Home Horticulture Activities (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Livestock Activities (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- Livestock Activities (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Pest Management Activities (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Pest Management Activities (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- Pest Management Activities: Grower Site Visits for research, trainings and/or pest monitoring.

**2. Brief description of the target audience**

- 4-H Volunteers (Adult)
- 4-H Youth (Youth)
- Agricultural Producers (Adult)
- Agricultural Workers (Adult)
- Apple Growers (Adult)
- Blueberry Growers (Adult)
- Community Leaders (Adult)
- Cranberry Growers (Adult)
- Dairy Producers (Adult)
- Disabled Adults (Adults)
- Extension - staff (Adult)

- Extension Staff (Adult)
- Families (Adult)
- General Public (Adult)
- General Public (Youth)
- Greenhouse Operators (Adult)
- Home Gardeners (Adult)
- Master Gardener Volunteers (Adult)
- Pesticide Applicator Training Participants (Adult)
- Potato Growers (Adult)
- Poultry Producers (Adult)
- Teachers (Adult)
- Vegetable Growers (Adult)
- Veterinarians (Adult)
- Volunteers (Adult)

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

**1. Standard output measures**

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Actual</b>	43171	525775	2237	162

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

**Patent Applications Submitted**

Year: 2010

Actual: 0

**Patents listed**

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2010	Extension	Research	Total
<b>Actual</b>	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct; Club, Conference, Program, Consultation, Scholarship, or Training

<b>Year</b>	<b>Actual</b>
2010	18072

**Output #2**

**Output Measure**

- Indirect; Applied Research, Media, Internet, Publication, Resulting from Training

<b>Year</b>	<b>Actual</b>
2010	6467

**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Pounds of food donated
2	Participate in livestock disease monitoring programs
3	Participate in livestock quality assurance program
4	Improve animal well-being
5	Demonstrate application of life skills
6	Demonstrate application of subject matter knowledge
7	Increase career aspirations & goal setting
8	Demonstrate application of leadership skills
9	Demonstrate civic engagement
10	Monetary value of food produced, gleaned, and donated
11	Adopt sustainable living practices
12	Adopt appropriate strategies based on research-based information
13	Form/join citizen networks for citizen action and education
14	Engage positively in their community
15	Train, support and mentor others in leadership roles
16	People donating food
17	Organizations/collaborators receiving donated food

18	Demonstrate practices that improve efficiency, reduce inputs, or increase profitability
19	Apply knowledge of risks to food safety
20	Demonstrate practices including managing nutrient sources, recycling/delivery methods that are compatible with crop/soil/production systems
21	Increase consumption of locally produced foods
22	Adopt integrated pest management strategies
23	Develop integrated farming systems

**Outcome #1**

**1. Outcome Measures**

Pounds of food donated

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	191977

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

Harvest for Hunger: Hunger is a community issue and as such requires action from the entire community to affect change.

**What has been done**

UMaine Extension's Harvest for the Hungry Program involves home gardeners, Master Gardeners, and other volunteers who grow and glean fresh fruits and vegetables and donate them to needy individuals and families in Maine.

**Results**

During the 2010 garden season, UMaine Extension collected 191,977 pounds of fresh fruit and vegetables to give to food banks, soup kitchens, service organizations, and directly to families as

part of our healthy lifestyles educational programs. At an average market value of \$1.69 per pound, the contribution was valued at more than \$325,400. The program's objectives are to mitigate hunger, improve nutrition and health, and help the recipients develop lifelong positive nutritional habits.

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
205	Plant Management Systems
601	Economics of Agricultural Production and Farm Management

**Outcome #2**

**1. Outcome Measures**

Participate in livestock disease monitoring programs

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	182

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
216	Integrated Pest Management Systems
311	Animal Diseases
315	Animal Welfare/Well-Being and Protection

**Outcome #3**

**1. Outcome Measures**

Participate in livestock quality assurance program

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	500

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
216	Integrated Pest Management Systems
311	Animal Diseases
315	Animal Welfare/Well-Being and Protection
601	Economics of Agricultural Production and Farm Management

**Outcome #4**

**1. Outcome Measures**

Improve animal well-being

**2. Associated Institution Types**



- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	227

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
216	Integrated Pest Management Systems
311	Animal Diseases
315	Animal Welfare/Well-Being and Protection
601	Economics of Agricultural Production and Farm Management

**Outcome #5**

**1. Outcome Measures**

Demonstrate application of life skills

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	220

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
102	Soil, Plant, Water, Nutrient Relationships
205	Plant Management Systems
213	Weeds Affecting Plants
216	Integrated Pest Management Systems
311	Animal Diseases
315	Animal Welfare/Well-Being and Protection
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #6**

**1. Outcome Measures**

Demonstrate application of subject matter knowledge

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	171

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

#### 4. Associated Knowledge Areas

<b>KA Code</b>	<b>Knowledge Area</b>
102	Soil, Plant, Water, Nutrient Relationships
205	Plant Management Systems
206	Basic Plant Biology
213	Weeds Affecting Plants
216	Integrated Pest Management Systems
311	Animal Diseases
315	Animal Welfare/Well-Being and Protection
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

#### Outcome #7

##### 1. Outcome Measures

Increase career aspirations & goal setting

##### 2. Associated Institution Types

- 1862 Extension

##### 3a. Outcome Type:

Change in Action Outcome Measure

##### 3b. Quantitative Outcome

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	302

##### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

#### 4. Associated Knowledge Areas

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

**Outcome #8**

**1. Outcome Measures**

Demonstrate application of leadership skills

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	26

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
205	Plant Management Systems
216	Integrated Pest Management Systems
315	Animal Welfare/Well-Being and Protection
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #9**

**1. Outcome Measures**

Demonstrate civic engagement

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	824

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
205	Plant Management Systems
216	Integrated Pest Management Systems
315	Animal Welfare/Well-Being and Protection
601	Economics of Agricultural Production and Farm Management

**Outcome #10**

**1. Outcome Measures**

Monetary value of food produced, gleaned, and donated

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	325400

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
205	Plant Management Systems
216	Integrated Pest Management Systems
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

**Outcome #11**

**1. Outcome Measures**

Adopt sustainable living practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	117

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
102	Soil, Plant, Water, Nutrient Relationships

205	Plant Management Systems
206	Basic Plant Biology
213	Weeds Affecting Plants
216	Integrated Pest Management Systems

## **Outcome #12**

### **1. Outcome Measures**

Adopt appropriate strategies based on research-based information

### **2. Associated Institution Types**

- 1862 Extension

### **3a. Outcome Type:**

Change in Action Outcome Measure

### **3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	2387

### **3c. Qualitative Outcome or Impact Statement**

#### **Issue (Who cares and Why)**

Minimizing Pesticide Use on Wild Maine Blueberries: Maine's 60,000 acres of wild blueberries are worth over \$250 million annually to growers, and more to the Maine economy. The blueberry maggot destroys commercial blueberry crops by attacking the fruit and leaving the berry non-viable. Tighter controls enacted by the EPA, and strict residue restrictions in many countries made growers concerned about insecticide residues on the fruit and the potential for limiting the salability of their crop.

#### **What has been done**

UMaine Extension and the UMaine Department of Plant and Soil Science have partnered with Maine growers to conduct on-farm trials to test the efficacy of new less toxic insecticides, and developed monitoring protocols that help growers know when treatments are necessary, and when they are not.

#### **Results**

Our trials have confirmed this new class of pesticides is effective against the blueberry maggot, and growers in Maine are using the monitoring protocols developed as a component of this project. As a result, insecticide is being used less frequently and only when necessary, helping to minimize residue and maintain the value of wild Maine blueberries to local, out-of-state, and international markets.

### **4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
205	Plant Management Systems
216	Integrated Pest Management Systems
315	Animal Welfare/Well-Being and Protection
601	Economics of Agricultural Production and Farm Management

**Outcome #13**

**1. Outcome Measures**

Form/join citizen networks for citizen action and education

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	69

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
205	Plant Management Systems
216	Integrated Pest Management Systems
315	Animal Welfare/Well-Being and Protection
601	Economics of Agricultural Production and Farm Management



**Outcome #14**

**1. Outcome Measures**

Engage positively in their community

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	287

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
205	Plant Management Systems
213	Weeds Affecting Plants
216	Integrated Pest Management Systems
315	Animal Welfare/Well-Being and Protection
601	Economics of Agricultural Production and Farm Management

**Outcome #15**

**1. Outcome Measures**

Train, support and mentor others in leadership roles

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	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
205	Plant Management Systems
216	Integrated Pest Management Systems
315	Animal Welfare/Well-Being and Protection
601	Economics of Agricultural Production and Farm Management

**Outcome #16**

**1. Outcome Measures**

People donating food

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	147

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

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

**Outcome #17**

**1. Outcome Measures**

Organizations/collaborators receiving donated food

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	176

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
205	Plant Management Systems
216	Integrated Pest Management Systems

**Outcome #18**

**1. Outcome Measures**

Demonstrate practices that improve efficiency, reduce inputs, or increase profitability

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	64

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

The Maine Compost School: It is predicted that most landfills in the U.S. will be full within the next decade. Each year Americans dispose of millions of tons garbage that, when mixed together in landfills does not bio-degrade and causes a variety of problems. Composting provides a way not only of reducing the amount of waste that needs to be disposed of, but also of converting it into a valuable product that is useful for farming, gardening, and landscaping.

**What has been done**

The Maine Compost School helps people understand how to recycle organic material, reduce their contributions to landfills, and produce rich, valuable, soil enhancing compost, a marketable commodity. Participants come from throughout world and are professional compost operators, farmers, municipal workers, homeowners, teachers, and students who gain certification in week long or 2-day programs. The School is a partnership between UMaine Extension, the Maine Department of Agriculture Food and Rural Resources, Maine Department of Environmental Protection, and the Maine State Planning Office.

**Results**

In the last two years, six new compost businesses were started in Maine as a direct result of the Maine Compost School, creating 17 new jobs and a variety of seasonal employment opportunities. One existing compost producer increased sales 200 percent after the first year of attending the class, with gross annual income for their compost operation now over \$50,000. The Portland Maine school district has reduced waste removal cost by approximately \$15,000 after implementing more recycling efforts in the school cafeterias since attending a school compost workshop in 2009. Since 2006 160 people received certification of technical ability from the Maine Compost School.

#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
205	Plant Management Systems
213	Weeds Affecting Plants
216	Integrated Pest Management Systems
311	Animal Diseases
315	Animal Welfare/Well-Being and Protection
601	Economics of Agricultural Production and Farm Management

#### Outcome #19

##### 1. Outcome Measures

Apply knowledge of risks to food safety

##### 2. Associated Institution Types

- 1862 Extension

##### 3a. Outcome Type:

Change in Action Outcome Measure

##### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2010	{No Data Entered}	14117

##### 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 #20**

### **1. Outcome Measures**

Demonstrate practices including managing nutrient sources, recycling/delivery methods that are compatible with crop/soil/production systems

### **2. Associated Institution Types**

- 1862 Extension

### **3a. Outcome Type:**

Change in Action Outcome Measure

### **3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	96

### **3c. Qualitative Outcome or Impact Statement**

#### **Issue (Who cares and Why)**

Locally-grown Organic Bread Wheat: Maine millers and bakers cannot find enough locally grown organic wheat that meets quality standards for bread production demand. Supplying this expanding market represents a significant economic opportunity for our region's farmers, who lack to produce high quality grains for bread end-use markets using organic methods.

#### **What has been done**

UMaine Extension and the Maine Agricultural and Forest Experiment Station are leading a multi-state project to increase farmers' ability to produce high quality organic bread wheat with a group of 10 researchers from Maine and Vermont through a 4-year \$1.3 million grant from the USDA Organic Agriculture Research and Extension Initiative. In partnership with local farmers, millers, and bakers, we are conducting research on varieties, fertility, weed management, and rotations; and developing tools for farmers to ensure success.

#### **Results**

Deputy Secretary of Agriculture, Kathleen Merrigan, recognized our grant at a media event in Maine in October 2009. She praised the project's involvement of stakeholders, integration of research and Extension, and efforts to revitalize a local food system. The USDA blog post about the event stated, "If there is a better example of USDA's 'Know Your Farmer, Know Your Food' initiative in action, we'd like to see it."

The project was initiated with a trip to Quebec for Maine and Vermont farmers, millers, bakers, and researchers to build connections with their more experienced Quebecois colleagues. A Vermont producer used information he gleaned from the trip to construct a mill design appropriate for his small scale operation. The bread wheat variety trials have so far identified 6-8 new varieties that show promise for our region. As a result, several farmers planted one new winter variety based on the yield and quality data that was made available to them in late August. A fertility study evaluating nitrogen topdress treatments to increase grain protein has inspired one

farmer to test these strategies on his own farm through a SARE partnership grant.

#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
205	Plant Management Systems
206	Basic Plant Biology
213	Weeds Affecting Plants
601	Economics of Agricultural Production and Farm Management

#### Outcome #21

##### 1. Outcome Measures

Increase consumption of locally produced foods

##### 2. Associated Institution Types

- 1862 Extension

##### 3a. Outcome Type:

Change in Action Outcome Measure

##### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2010	{No Data Entered}	44

##### 3c. Qualitative Outcome or Impact Statement

###### **Issue (Who cares and Why)**

Humble Beginnings for Community Farmer's Market: Southern Aroostook County in northern Maine has historically lacked a Farmers' Market that would provide local small, diverse vegetable and livestock farms a direct market to consumers and give residents access to local farm-fresh foods.

###### **What has been done**

In 2009, UMaine Extension approached community leaders in Houlton and led a committee that would create the Houlton, Maine Farmers' Market.

###### **Results**

Through humble beginnings of having only four vendors at the end of the 2009 growing season, 2010 saw a venue change, increased advertising, and increased participation for both buyers and sellers. At the end of the 2010 season, the newly named Houlton Community Market boasted 24 vendors providing locally produced food and crafts that generated approximately \$100,000 in

direct sales to local producers, and more to downtown businesses who benefit from proximity to consumers who are patronizing the market.

#### 4. Associated Knowledge Areas

<b>KA Code</b>	<b>Knowledge Area</b>
102	Soil, Plant, Water, Nutrient Relationships
205	Plant Management Systems
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

### **Outcome #22**

#### 1. Outcome Measures

Adopt integrated pest management strategies

#### 2. Associated Institution Types

- 1862 Extension

#### 3a. Outcome Type:

Change in Action Outcome Measure

#### 3b. Quantitative Outcome

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	5134

#### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

#### 4. Associated Knowledge Areas

<b>KA Code</b>	<b>Knowledge Area</b>
205	Plant Management Systems
216	Integrated Pest Management Systems
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation



**Outcome #23**

**1. Outcome Measures**

Develop integrated farming systems

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	172

**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
213	Weeds Affecting Plants
216	Integrated Pest Management Systems
315	Animal Welfare/Well-Being and Protection
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**

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

**Brief Explanation**

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**Evaluation Results**

**Key Items of Evaluation**

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

**Program # 2**

**1. Name of the Planned Program**

Climate Change

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

**1. Program Knowledge Areas and Percentage**

<b>KA Code</b>	<b>Knowledge Area</b>	<b>%1862 Extension</b>	<b>%1890 Extension</b>	<b>%1862 Research</b>	<b>%1890 Research</b>
101	Appraisal of Soil Resources	5%			
112	Watershed Protection and Management	10%			
122	Management and Control of Forest and Range Fires	15%			
123	Management and Sustainability of Forest Resources	15%			
125	Agroforestry	15%			
132	Weather and Climate	25%			
403	Waste Disposal, Recycling, and Reuse	10%			
803	Sociological and Technological Change Affecting Individuals, Families, and Communities	5%			
	<b>Total</b>	100%			

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

**1. Actual amount of professional FTE/SYs expended this Program**

<b>Year: 2010</b>	<b>Extension</b>		<b>Research</b>	
	<b>1862</b>	<b>1890</b>	<b>1862</b>	<b>1890</b>

Actual	4.5	0.0	0.0	0.0
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**2. Actual dollars expended in this Program (includes Carryover Funds from previous years)**

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
109513	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
264343	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
293602	0	0	0

**V(D). Planned Program (Activity)****1. Brief description of the Activity**

- General activities in support of Climate Change (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- General activities in support of Climate Change (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- Marine Resources Management Activities (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Marine Resources Management Activities (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- Small Woodlot Management Activities (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Water Quality Resource Management Activities (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Water Quality Resource Management Activities (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)

**2. Brief description of the target audience**

- Agricultural Producers (Adult)
- Community Leaders (Adult)
- Extension - staff (Adult)
- Extension Staff (Adult)
- Forestland Owner (Adult)
- General Public (Adult)
- General Public (Youth)
- Small or Home-Based Business Owners - Current (Adult)
- Teachers (Adult)
- Volunteers (Adult)
- Watershed Stewards (Adult)

**V(E). Planned Program (Outputs)****1. Standard output measures**

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	4119	6794	569	0

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

**Patent Applications Submitted**

Year: 2010

Actual: 0

**Patents listed**

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2010	Extension	Research	Total
Actual	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct; Club, Conference, Program, Consultation, Scholarship, or Training

Year	Actual
2010	244

**Output #2**

**Output Measure**

- Indirect; Applied Research, Media, Internet, Publication, Resulting from Training

Year	Actual
2010	128

**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Manage natural resources to promote land, water and air quality
2	Form/join networks for citizen action and education
3	Demonstrate application of leadership skills
4	Adopt sustainable living practices
5	Assess community vulnerabilities, needs, and assets
6	Adopt effective community strategies and solutions
7	Evaluate Climate Change

**Outcome #1**

**1. Outcome Measures**

Manage natural resources to promote land, water and air quality

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	2517

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

Maintaining a Valuable Asset; Sand Beaches: Sand beaches are a major contributor to the economies of Southern Maine coastal communities. Chronic erosion can damage property values and the economic potential of this valuable asset. Understanding changes due to erosion and making appropriate management decisions is a result of long term data collection and analysis.

**What has been done**

The Southern Maine Beach Profile Monitoring Program has been operating under the leadership of Maine Sea Grant and UMaine Extension since 1999. Our program coordinates community volunteers to engage in controlled monitoring of beach profiles in order to provide data on changes that may result in damage to beaches.

**Results**

Our 11 year dataset is routinely used as a basis for management decisions in order to maintain adjacent property values and the value of beaches to communities. As an example, our profiling data contributed to a recent decision to reconstruct a seawall at Higgins Beach in Scarborough Maine that helps sustain property values responsible for generating more than \$2.3 million in property taxes from adjacent properties. As a key indicator of the value seven communities (York, Ogunquit, Wells, Kennebunk, Saco, Scarborough, South Portland) all maintain support for the Program to help ensure long-term value of this important community asset.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
101	Appraisal of Soil Resources
112	Watershed Protection and Management

- 123 Management and Sustainability of Forest Resources
- 125 Agroforestry
- 403 Waste Disposal, Recycling, and Reuse
- 803 Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #2**

**1. Outcome Measures**

Form/join networks for citizen action and education

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	95

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
112	Watershed Protection and Management
122	Management and Control of Forest and Range Fires
123	Management and Sustainability of Forest Resources
132	Weather and Climate
403	Waste Disposal, Recycling, and Reuse
803	Sociological and Technological Change Affecting Individuals, Families, and Communities



**Outcome #3**

**1. Outcome Measures**

Demonstrate application of leadership skills

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	149

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
112	Watershed Protection and Management
122	Management and Control of Forest and Range Fires
123	Management and Sustainability of Forest Resources
403	Waste Disposal, Recycling, and Reuse
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #4**

**1. Outcome Measures**

Adopt sustainable living practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	52

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
112	Watershed Protection and Management
122	Management and Control of Forest and Range Fires
123	Management and Sustainability of Forest Resources
132	Weather and Climate
403	Waste Disposal, Recycling, and Reuse
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #5**

**1. Outcome Measures**

Assess community vulnerabilities, needs, and assets

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	5015

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
112	Watershed Protection and Management
122	Management and Control of Forest and Range Fires
123	Management and Sustainability of Forest Resources
125	Agroforestry
132	Weather and Climate
403	Waste Disposal, Recycling, and Reuse
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #6**

**1. Outcome Measures**

Adopt effective community strategies and solutions

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	168

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
112	Watershed Protection and Management
122	Management and Control of Forest and Range Fires
123	Management and Sustainability of Forest Resources
403	Waste Disposal, Recycling, and Reuse
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #7**

**1. Outcome Measures**

Evaluate Climate Change

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

Maine’s Climate Future: In 2009 the 124th Maine Legislature passed a resolve to create a stakeholder-based group to evaluate climate change adaptation options for Maine.

**What has been done**

As requested by the state’s Governor, Maine Sea Grant and UMaine Extension collaborated with the University of Maine Climate Change Institute and other partners to edit and produce Maine’s Climate Future’s: An Initial Assessment. This document served as the foundation for the statewide stakeholder process for climate preparation through a resolve from the legislature to work towards gathering data, information and recommendations for all sectors across Maine. This

included the commitment of 67 stakeholder participants meeting consistently during a one-year timeframe for which we contributed community-based education expertise for both the Steering Committee and the Marine Committee.

**Results**

This resulted in a consensus and summary documents provided to the legislature who in turn created a resolve to continue the work toward the development of a complete Climate Change Adaptation Plan for Maine, work that was initiated in the following legislative session.

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
132	Weather and Climate

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

**External factors which affected outcomes**

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

**Brief Explanation**

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**Evaluation Results**

**Key Items of Evaluation**

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

**Program # 3**

**1. Name of the Planned Program**

Sustainable Energy

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

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
111	Conservation and Efficient Use of Water	8%			
112	Watershed Protection and Management	9%			
123	Management and Sustainability of Forest Resources	15%			
124	Urban Forestry	4%			
125	Agroforestry	14%			
133	Pollution Prevention and Mitigation	8%			
136	Conservation of Biological Diversity	5%			
402	Engineering Systems and Equipment	9%			
403	Waste Disposal, Recycling, and Reuse	9%			
605	Natural Resource and Environmental Economics	11%			
608	Community Resource Planning and Development	8%			
	<b>Total</b>	100%			

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

**1. Actual amount of professional FTE/SYs expended this Program**

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Actual	0.8	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
28226	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
104513	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
72322	0	0	0

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

**1. Brief description of the Activity**

- Farm Energy Activities (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Farm Energy Activities (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- General Sustainable Energy Activities (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- General Sustainable Energy Activities (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- Home Energy Conservation (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)

**2. Brief description of the target audience**

- Agricultural Producers (Adult)
- Community Leaders (Adult)
- General Public (Adult)
- General Public (Youth)
- Pesticide Applicator Training Participants (Adult)
- Teachers (Adult)

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

**1. Standard output measures**

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Actual</b>	1675	0	0	0

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

**Patent Applications Submitted**

Year: 2010  
 Actual: 0

**Patents listed**

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2010	Extension	Research	Total
Actual	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct; Club, Conference, Program, Consultation, Scholarship, or Training

Year	Actual
2010	528

**Output #2**

**Output Measure**

- Indirect; Applied Research, Media, Internet, Publication, Resulting from Training

Year	Actual
2010	3



**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Increase career aspirations & goal setting
2	Reduce carbon footprint
3	Adopt sustainable living practices
4	Adopt appropriate strategies based on research-based information
5	Form/join citizen networks for citizen action and education
6	Engage positively in their community
7	Implement techniques to reduce energy consumption
8	Evaluate alternative sources of energy and act accordingly
9	Convert to non-fossil-based energy fuels
10	Decide not to convert to/install an inefficient new source of energy (example: installing a wind turbine in a poor location)
11	Research and evaluate novel energy production methods, and act accordingly
12	Make a decision to install or not install a novel energy production method
13	Increase consumption of locally produced foods

**Outcome #1**

**1. Outcome Measures**

Increase career aspirations & goal setting

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	302

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
133	Pollution Prevention and Mitigation
136	Conservation of Biological Diversity
402	Engineering Systems and Equipment
403	Waste Disposal, Recycling, and Reuse
605	Natural Resource and Environmental Economics
608	Community Resource Planning and Development

**Outcome #2**

**1. Outcome Measures**

Reduce carbon footprint

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	18

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
123	Management and Sustainability of Forest Resources
124	Urban Forestry
125	Agroforestry
133	Pollution Prevention and Mitigation
136	Conservation of Biological Diversity
402	Engineering Systems and Equipment
403	Waste Disposal, Recycling, and Reuse
605	Natural Resource and Environmental Economics
608	Community Resource Planning and Development

**Outcome #3**

**1. Outcome Measures**

Adopt sustainable living practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	117

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
112	Watershed Protection and Management
123	Management and Sustainability of Forest Resources
133	Pollution Prevention and Mitigation
403	Waste Disposal, Recycling, and Reuse
605	Natural Resource and Environmental Economics
608	Community Resource Planning and Development

**Outcome #4**

**1. Outcome Measures**

Adopt appropriate strategies based on research-based information

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	2387

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
123	Management and Sustainability of Forest Resources
133	Pollution Prevention and Mitigation
136	Conservation of Biological Diversity
402	Engineering Systems and Equipment
403	Waste Disposal, Recycling, and Reuse
605	Natural Resource and Environmental Economics
608	Community Resource Planning and Development

**Outcome #5**

**1. Outcome Measures**

Form/join citizen networks for citizen action and education

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	69

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
123	Management and Sustainability of Forest Resources
133	Pollution Prevention and Mitigation
403	Waste Disposal, Recycling, and Reuse
605	Natural Resource and Environmental Economics
608	Community Resource Planning and Development

**Outcome #6**

**1. Outcome Measures**

Engage positively in their community

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	287

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

#### 4. Associated Knowledge Areas

<b>KA Code</b>	<b>Knowledge Area</b>
133	Pollution Prevention and Mitigation
136	Conservation of Biological Diversity
403	Waste Disposal, Recycling, and Reuse
605	Natural Resource and Environmental Economics
608	Community Resource Planning and Development

#### Outcome #7

##### 1. Outcome Measures

Implement techniques to reduce energy consumption

##### 2. Associated Institution Types

- 1862 Extension

##### 3a. Outcome Type:

Change in Action Outcome Measure

##### 3b. Quantitative Outcome

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	38

##### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

#### 4. Associated Knowledge Areas

<b>KA Code</b>	<b>Knowledge Area</b>
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
123	Management and Sustainability of Forest Resources
133	Pollution Prevention and Mitigation
402	Engineering Systems and Equipment
403	Waste Disposal, Recycling, and Reuse

605 Natural Resource and Environmental Economics  
608 Community Resource Planning and Development

**Outcome #8**

**1. Outcome Measures**

Evaluate alternative sources of energy and act accordingly

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	22

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation
402	Engineering Systems and Equipment
403	Waste Disposal, Recycling, and Reuse
605	Natural Resource and Environmental Economics
608	Community Resource Planning and Development



## **Outcome #9**

### **1. Outcome Measures**

Convert to non-fossil-based energy fuels

### **2. Associated Institution Types**

- 1862 Extension

### **3a. Outcome Type:**

Change in Action Outcome Measure

### **3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	55

### **3c. Qualitative Outcome or Impact Statement**

#### **Issue (Who cares and Why)**

Growing Alternative Fuel: Aroostook County, Maine is a vast agricultural region where many farms have been abandoned in recent decades because of high operating costs. They have gone from producing 150,000 acres of potatoes in the 1950's to 50,000 today. Grass pellets have the potential to establish a new bio-energy industry in Maine, create a valuable crop for Maine farmers, and reduce energy costs for state residents.

#### **What has been done**

For the past two years we have been researching the use of perennial grasses left from small grain rotations as solid fuel crops. We are now working with the UMaine Process Development Center on a Biomass Engineered Fuel Project, a \$1.65 million initiative recently funded by the State of Maine Technology Asset Fund linking UMaine research and development with Maine farmers, energy consumers, companies, and entrepreneurs to develop and commercialize biomass fuel. In the next four years, the project will focus on the manufacturing efficiencies of converting energy crops to solid biofuel, and testing that biofuel for performance, combustion efficiency, and ultimate commercial potential.

#### **Results**

The goal is to prototype a commercial-scale demonstration facility in Aroostook County ? the first of its kind in the Northeast. Grass pellets will be beta tested in commercial biomass systems in the state. Several Maine companies have expressed interest in operating biofuel production facilities and licensing the technology.

UMaine researchers say the annual economic impact of a single commercial pellet mill in northern Maine is expected to be between \$17 million and \$23 million. With potential for 25 pellet mills statewide, the overall economic impact is projected to be more than \$500 million annually, possibly replacing more than 100 million gallons of home heating oil each year.

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
123	Management and Sustainability of Forest Resources
133	Pollution Prevention and Mitigation
402	Engineering Systems and Equipment
403	Waste Disposal, Recycling, and Reuse
605	Natural Resource and Environmental Economics
608	Community Resource Planning and Development

**Outcome #10**

**1. Outcome Measures**

Decide not to convert to/install an inefficient new source of energy (example: installing a wind turbine in a poor location)

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	5

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
133	Pollution Prevention and Mitigation
403	Waste Disposal, Recycling, and Reuse
605	Natural Resource and Environmental Economics

**Outcome #11**

**1. Outcome Measures**

Research and evaluate novel energy production methods, and act accordingly

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	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
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
123	Management and Sustainability of Forest Resources
133	Pollution Prevention and Mitigation
402	Engineering Systems and Equipment
403	Waste Disposal, Recycling, and Reuse
605	Natural Resource and Environmental Economics
608	Community Resource Planning and Development

**Outcome #12**

**1. Outcome Measures**

Make a decision to install or not install a novel energy production method

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	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
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
123	Management and Sustainability of Forest Resources
133	Pollution Prevention and Mitigation
136	Conservation of Biological Diversity
402	Engineering Systems and Equipment
403	Waste Disposal, Recycling, and Reuse
608	Community Resource Planning and Development

**Outcome #13**

**1. Outcome Measures**

Increase consumption of locally produced foods

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	44

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
111	Conservation and Efficient Use of Water
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation
605	Natural Resource and Environmental Economics
608	Community Resource Planning and Development

**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
- Competing Programmatic Challenges
- Other (Climate Change)

**Brief Explanation**

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**Evaluation Results**

**Key Items of Evaluation**

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

**Program # 4**

**1. Name of the Planned Program**

Childhood Obesity

**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	35%			
704	Nutrition and Hunger in the Population	15%			
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins	10%			
724	Healthy Lifestyle	10%			
802	Human Development and Family Well-Being	22%			
803	Sociological and Technological Change Affecting Individuals, Families, and Communities	8%			
	<b>Total</b>	100%			

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

**1. Actual amount of professional FTE/SYs expended this Program**

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Actual	3.6	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
73273	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
456159	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
338504	0	0	0

## V(D). Planned Program (Activity)

### 1. Brief description of the Activity

- Eat Well Nutrition Education (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Eat Well Nutrition Education (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- General Activities to address Childhood Obesity (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- General activities to address Childhood Obesity (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- General activities to address Nutrition Education (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Nutrition Education (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)

### 2. Brief description of the target audience

- 4-H Youth (Youth)
- Community Leaders (Adult)
- Disabled Adults (Adults)
- Eat Well Participants (Adult)
- Eat Well Participants (Youth)
- Elders or Seniors (Adult)
- Extension - staff (Adult)
- Extension Staff (Adult)
- Food Stamp Recipients (Adult)
- General Public (Adult)
- General Public (Youth)
- Master Gardener Volunteers (Adult)
- Parent Educators (Adult)
- Parents (Adult)
- Senior Companion Program Volunteers (Adult)
- Teachers (Adult)



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

**1. Standard output measures**

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Actual</b>	4792	8745	19960	210

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

**Patent Applications Submitted**

Year: 2010

Actual: 0

**Patents listed**

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2010	Extension	Research	Total
<b>Actual</b>	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct; Club, Conference, Program, Consultation, Scholarship, or Training

Year	Actual
2010	17931

**Output #2**

**Output Measure**

- Indirect; Applied Research, Media, Internet, Publication, Resulting from Training

Year	Actual
2010	421

**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Demonstrate application of life skills
2	Demonstrate civic engagement
3	Engage positively in their community
4	Adopt healthy dietary practices (consume nutrient-rich foods, follow current Dietary Guidelines for Americans or DASH, etc)
5	Integrate regular physical activity into daily life
6	Increase consumption of healthful, locally-grown and -produced food (farm to school program, food preservation, etc.)
7	Reduce consumption of highly processed foods (fast foods, convenience foods, etc.)

**Outcome #1**

**1. Outcome Measures**

Demonstrate application of life skills

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	220

**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
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins
724	Healthy Lifestyle
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #2**

**1. Outcome Measures**

Demonstrate civic engagement

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	824

**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
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins
724	Healthy Lifestyle
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #3**

**1. Outcome Measures**

Engage positively in their community

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	287

**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
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins
724	Healthy Lifestyle
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #4**

**1. Outcome Measures**

Adopt healthy dietary practices (consume nutrient-rich foods, follow current Dietary Guidelines for Americans or DASH, etc)

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	14103

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

Nutrition and Physical Activity: In Maine, more than 28 percent of children age 10-17 are overweight or obese, and children in limited-income families are twice as likely to be overweight or obese as their middle income peers. Maine is one of ten states with the highest rate of food insecure children under the age of 18. This contradiction between the rate of obesity and food insecurity demonstrates that poor food choice and lack of nutritious food have a significant impact on Maine's children.

**What has been done**

UMaine Extension's Eat Well Nutrition Education Program provides limited-income citizens, including youth, with and basic nutrition, physical activity, and food resource management education. We worked with over 15,000 young people this year through school enrichment programs and summer youth programming; and 2,225 families in one of three ways: one-on-one in their homes; by presenting lessons in small group settings; through Eat Well by Mail, our correspondence course which can be customized to address specific individual needs.

**Results**

As a result of our nutrition and physical activity education programs during 2010: More than 13,000 youth increased their knowledge of the essentials of human nutrition, increased their ability to select low-cost, nutritious foods, and now eat a variety of foods. Fifty-two percent of the 972 families (over 2,400 individuals) who graduated from our program, demonstrated improvement in meal planning, comparing prices, using grocery lists, and not running out of food. One of our nutrition aides offers: "I asked one of my clients in Portland if my visits had helped him. He beamed and said that he was saving \$15.00 every two weeks at the grocery store. He's quit buying processed foods. His cholesterol is lower; his blood sugar is in control. He said that I encouraged him to walk more often and he attributes that to his weight loss and the fact that he's maintaining his new weight."

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
703	Nutrition Education and Behavior
704	Nutrition and Hunger in the Population
724	Healthy Lifestyle
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #5**

**1. Outcome Measures**

Integrate regular physical activity into daily life

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	158

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #6**

**1. Outcome Measures**

Increase consumption of healthful, locally-grown and -produced food (farm to school program, food preservation, etc.)

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	8

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins
724	Healthy Lifestyle
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #7**

**1. Outcome Measures**

Reduce consumption of highly processed foods (fast foods, convenience foods, etc.)

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	12650

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
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703	Nutrition Education and Behavior
704	Nutrition and Hunger in the Population
724	Healthy Lifestyle
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**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 and Data Collection)**

**Evaluation Results**

**Key Items of Evaluation**

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

**Program # 5**

**1. Name of the Planned Program**

Food Safety

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

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
501	New and Improved Food Processing Technologies	30%			
502	New and Improved Food Products	30%			
504	Home and Commercial Food Service	30%			
512	Quality Maintenance in Storing and Marketing Non-Food Products	10%			
	<b>Total</b>	100%			

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

**1. Actual amount of professional FTE/SYs expended this Program**

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Plan	1.5	0.0	0.0	0.0
Actual	1.9	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
53351	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
199315	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
184199	0	0	0

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

**1. Brief description of the Activity**

- Food Preservation (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Food Preservation (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- Food Safety (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Food Safety (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- General Food Safety Activities (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- General Food Safety Activities (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- Specialty Food Products (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)

**2. Brief description of the target audience**

- Agricultural Producers (Adult)
- Eat Well Participants (Adult)
- Eat Well Participants (Youth)
- General Public (Adult)
- Master Gardener Volunteers (Adult)
- Volunteers (Adult)

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

**1. Standard output measures**

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Actual</b>	3758	0	15036	0

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

**Patent Applications Submitted**

Year: 2010  
 Actual: 0

**Patents listed**

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2010	Extension	Research	Total
<b>Actual</b>	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct - Collaborative or Cooperative Effort  
Not reporting on this Output for this Annual Report

**Output #2**

**Output Measure**

- Direct - Consultation  
Not reporting on this Output for this Annual Report

**Output #3**

**Output Measure**

- Direct - Educational Programs or Projects  
Not reporting on this Output for this Annual Report

**Output #4**

**Output Measure**

- Direct - Scholarship  
Not reporting on this Output for this Annual Report

**Output #5**

**Output Measure**

- Indirect - Media and Internet  
Not reporting on this Output for this Annual Report

**Output #6**

**Output Measure**

- Indirect - Publication in the Popular Media  
Not reporting on this Output for this Annual Report

**Output #7**

**Output Measure**

- Direct; Club, Conference, Program, Consultation, Scholarship, or Training

<b>Year</b>	<b>Actual</b>
2010	18081

**Output #8**

**Output Measure**

- Indirect; Applied Research, Media, Internet, Publication, Resulting from Training

<b>Year</b>	<b>Actual</b>
2010	8

**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Adopt HACCP and bio-security plans
2	Adopt behaviors to prevent or minimize complications of chronic disease
3	Adopt food safety practices
4	Adopt the USDA dietary guidelines and the food guide pyramid
5	Participate in Maine cattle health assurance program
6	Adopt appropriate handling and storage technologies
7	Adopt appropriate technologies
8	Develop educational programs that address health and safety issues
9	Practice safety
10	Assume personal responsibility for health
11	Increase consumption of locally produced foods
12	Integrate regular physical activity into daily life
13	Make better decisions regarding healthy lifestyles
14	Manage family resources in alignment with goals
15	Explore new product development
16	Reduce consumption of highly processed foods (fast foods, convenience foods, etc.)
17	Apply knowledge of risks to food safety

## **Outcome #1**

### **1. Outcome Measures**

Adopt HACCP and bio-security plans

### **2. Associated Institution Types**

- 1862 Extension

### **3a. Outcome Type:**

Change in Action Outcome Measure

### **3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	20	43

### **3c. Qualitative Outcome or Impact Statement**

#### **Issue (Who cares and Why)**

Enabling New Enterprises Selling Meat and Poultry Products: In the US any company that processes and sells meat or meat containing products is required by the USDA to have a Hazard Analysis Critical Control Point (HACCP) plan. This requirement was put in place to help ensure that high health risk foods like meat were properly and safely processed. The state of Maine has been without formal meat and poultry HACCP certification training since 2003. Since then producers have had to attend a course in Connecticut or Pennsylvania to become certified.

#### **What has been done**

During 2010 two multi-day HACCP courses were offered through UMaine Extension and the Maine Department of Agriculture, Food and Rural Resources. Part lecture and part hands-on activity, the courses enabled participants to write and implement a HACCP plan for their meat and/or poultry selling operations.

#### **Results**

As a result, 43 individuals representing 38 Maine-based companies were HACCP certified for meat and poultry. The 2010 trainings enabled the start of 16 new small companies producing cuts of beef and pork, and products such as jerky, meat topped pizza, and smoked or barbecued meats; and helped six non-meat related food business learn more about food safety and apply HACCP principle to their businesses.

### **4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
501	New and Improved Food Processing Technologies

**Outcome #2**

**1. Outcome Measures**

Adopt behaviors to prevent or minimize complications of chronic disease

Not Reporting on this Outcome Measure

**Outcome #3**

**1. Outcome Measures**

Adopt food safety practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	5691	739

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
501	New and Improved Food Processing Technologies
504	Home and Commercial Food Service



**Outcome #4**

**1. Outcome Measures**

Adopt the USDA dietary guidelines and the food guide pyramid

Not Reporting on this Outcome Measure

**Outcome #5**

**1. Outcome Measures**

Participate in Maine cattle health assurance program

Not Reporting on this Outcome Measure

**Outcome #6**

**1. Outcome Measures**

Adopt appropriate handling and storage technologies

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	25	350

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

Master Food Preservers ? Preserving the Harvest: UMaine Extension has always been a very important resource for providing current research-based information about preserving food at home. Recently interest and demand for food preservation education has sky-rocketed due in part to tough economics and the public interest to support a local food system.

**What has been done**

Our Master Food Preserver Program was launched in 2008 to help meet this emerging need. Approximately 12 new volunteers are taught each year to extend our reach through food preservation master classes. Each receives 40 hours of extensive training in food safety and

storage, and the specifics of canning, freezing, drying, making jams and jellies, pickling, and storing foods. After training, volunteers pass a minimum competency test to assess their knowledge of food preservation and storage methods, and their ability to teach using the resource materials.

**Results**

This year, Master Food Preserver volunteers delivered Preserving the Harvest workshops to more than 350 attendees. Evaluations completed by all participants indicate that:  
?95 percent understand how to preserve foods in accordance with the latest USDA guidelines;  
?95 percent feel more confident about their skills in home food preservation.  
?88 percent plan to preserve foods differently (safely) to reduce their risk of food borne illness;  
Based on these results, we can begin to understand the impact of our work on creating a social shift towards a more educated and skilled public that can improve their health, contribute to a revitalizations of our local food system, and positively impact the local agricultural economy through an increase in safely preserving local foods at home to eat year round.

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
504	Home and Commercial Food Service
512	Quality Maintenance in Storing and Marketing Non-Food Products

**Outcome #7**

**1. Outcome Measures**

Adopt appropriate technologies

Not Reporting on this Outcome Measure

**Outcome #8**

**1. Outcome Measures**

Develop educational programs that address health and safety issues

Not Reporting on this Outcome Measure

**Outcome #9**

**1. Outcome Measures**

Practice safety

Not Reporting on this Outcome Measure

**Outcome #10**

**1. Outcome Measures**

Assume personal responsibility for health

Not Reporting on this Outcome Measure

**Outcome #11**

**1. Outcome Measures**

Increase consumption of locally produced foods

Not Reporting on this Outcome Measure

**Outcome #12**

**1. Outcome Measures**

Integrate regular physical activity into daily life

Not Reporting on this Outcome Measure

**Outcome #13**

**1. Outcome Measures**

Make better decisions regarding healthy lifestyles

Not Reporting on this Outcome Measure

**Outcome #14**

**1. Outcome Measures**

Manage family resources in alignment with goals

Not Reporting on this Outcome Measure

**Outcome #15**

**1. Outcome Measures**

Explore new product development

Not Reporting on this Outcome Measure

**Outcome #16**

**1. Outcome Measures**

Reduce consumption of highly processed foods (fast foods, convenience foods, etc.)

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	12650

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
501	New and Improved Food Processing Technologies
502	New and Improved Food Products
504	Home and Commercial Food Service

**Outcome #17**

**1. Outcome Measures**

Apply knowledge of risks to food safety

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	14117

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
501	New and Improved Food Processing Technologies
502	New and Improved Food Products
504	Home and Commercial Food Service
512	Quality Maintenance in Storing and Marketing Non-Food Products

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

**External factors which affected outcomes**

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

**Brief Explanation**

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**Evaluation Results**

**Key Items of Evaluation**

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

**Program # 6**

**1. Name of the Planned Program**

Sustainable Community and Economic Development

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

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
602	Business Management, Finance, and Taxation	25%			
604	Marketing and Distribution Practices	20%			
607	Consumer Economics	15%			
608	Community Resource Planning and Development	15%			
801	Individual and Family Resource Management	20%			
805	Community Institutions, Health, and Social Services	5%			
	<b>Total</b>	100%			

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

**1. Actual amount of professional FTE/SYs expended this Program**

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Actual	7.6	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
297572	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
846555	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
633800	0	0	0

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

**1. Brief description of the Activity**

- Personal and Family Resource Management Education (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Resource Development and Management for Sustainable Communities (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Resource Development and Management for Sustainable Communities (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- Small and Home Based Business Management Education (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- Small and Home Based Business Management Education (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Tourism Economic Development Education (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Tourism Economic Development Education (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
- General activities in support of Sustainable Community and Economic Development (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- General activities in support of Sustainable Community and Economic Development (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)

**2. Brief description of the target audience**

- 4-H Youth (Youth)
- Agricultural Producers (Adult)
- Business Assist Organization Staff (Adult)
- Community Leaders (Adult)
- Disabled Youth (Youth)
- Extension - staff (Adult)
- Extension Staff (Adult)
- Families (Adult)
- Families (Youth)
- General Public (Adult)
- Maple Producers (Adult)
- Small or Home-Based Business Owners - Current (Adult)
- Small or Home-Based Business Owners - Potential (Adult)

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

**1. Standard output measures**

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Actual</b>	4558	14242	77	0



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

**Patent Applications Submitted**

Year: 2010  
 Actual: 0

**Patents listed**

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2010	Extension	Research	Total
Actual	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct; Club, Conference, Program, Consultation, Scholarship, or Training

Year	Actual
2010	527

**Output #2**

**Output Measure**

- Indirect; Applied Research, Media, Internet, Publication, Resulting from Training

Year	Actual
2010	14123

**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Increase career aspirations & goal setting
2	Demonstrate civic engagement
3	Form/join citizen networks for citizen action and education
4	Engage positively in their community
5	Demonstrate practices that improve efficiency, reduce inputs, or increase profitability
6	Apply knowledge of risks to food safety
7	Increase life skills (healthy relationships, decision making, problem solving, parenting, lifespan development, communication, etc)
8	Demonstrate application of subject matter knowledge
9	Demonstrate application of leadership skills
10	Increase consumption of locally produced foods
11	Adopt sound business management practices
12	Increase profitability
13	Create jobs
14	Assess community needs and assets
15	Adopt effective community strategies
16	Mobilize community capacities, assets or resources
17	Demonstrate leadership skills

**Outcome #1**

**1. Outcome Measures**

Increase career aspirations & goal setting

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	755

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices
608	Community Resource Planning and Development
801	Individual and Family Resource Management
805	Community Institutions, Health, and Social Services

**Outcome #2**

**1. Outcome Measures**

Demonstrate civic engagement

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	3986

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development
805	Community Institutions, Health, and Social Services

**Outcome #3**

**1. Outcome Measures**

Form/join citizen networks for citizen action and education

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	69

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
608	Community Resource Planning and Development
805	Community Institutions, Health, and Social Services

**Outcome #4**

**1. Outcome Measures**

Engage positively in their community

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	2845

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
608	Community Resource Planning and Development
805	Community Institutions, Health, and Social Services

**Outcome #5**

**1. Outcome Measures**

Demonstrate practices that improve efficiency, reduce inputs, or increase profitability

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	64

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices
608	Community Resource Planning and Development
801	Individual and Family Resource Management
805	Community Institutions, Health, and Social Services

**Outcome #6**

**1. Outcome Measures**

Apply knowledge of risks to food safety

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	14117

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
602	Business Management, Finance, and Taxation
801	Individual and Family Resource Management
805	Community Institutions, Health, and Social Services

**Outcome #7**

**1. Outcome Measures**

Increase life skills (healthy relationships, decision making, problem solving, parenting, lifespan development, communication, etc)

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	4661

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
602	Business Management, Finance, and Taxation
801	Individual and Family Resource Management

**Outcome #8**

**1. Outcome Measures**

Demonstrate application of subject matter knowledge

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	3938

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
602	Business Management, Finance, and Taxation
608	Community Resource Planning and Development
801	Individual and Family Resource Management



805 Community Institutions, Health, and Social Services

**Outcome #9**

**1. Outcome Measures**

Demonstrate application of leadership skills

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	893

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
602	Business Management, Finance, and Taxation
608	Community Resource Planning and Development
801	Individual and Family Resource Management
805	Community Institutions, Health, and Social Services

**Outcome #10**

**1. Outcome Measures**

Increase consumption of locally produced foods

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	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
602	Business Management, Finance, and Taxation
801	Individual and Family Resource Management
805	Community Institutions, Health, and Social Services

**Outcome #11**

**1. Outcome Measures**

Adopt sound business management practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	463

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices
608	Community Resource Planning and Development
805	Community Institutions, Health, and Social Services

**Outcome #12**

**1. Outcome Measures**

Increase profitability

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	43

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
602	Business Management, Finance, and Taxation

604	Marketing and Distribution Practices
608	Community Resource Planning and Development
805	Community Institutions, Health, and Social Services

**Outcome #13**

**1. Outcome Measures**

Create jobs

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	98

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
602	Business Management, Finance, and Taxation
608	Community Resource Planning and Development
805	Community Institutions, Health, and Social Services

**Outcome #14**

**1. Outcome Measures**

Assess community needs and assets

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	245

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
602	Business Management, Finance, and Taxation
608	Community Resource Planning and Development
805	Community Institutions, Health, and Social Services

**Outcome #15**

**1. Outcome Measures**

Adopt effective community strategies

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	59

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

Effective Non-profit Community Organizations: Well functioning non-profit community-based organizations address problems and create new opportunities to improve their communities. Each has potential to increase opportunities through effective program planning, improved decision-making, and improved financial sustainability. While organizations can build that capacity through internal expertise, others need help.

**What has been done**

This year we worked with seventeen non-profit and community organizations in mid-coast Maine who participated in working sessions in which they reflected on their current capacities, articulated shared visions, and devised work-plans and budgets to support agreed upon strategies to take them forward. The organizations ranged from those concerned with the arts, land conservation, food security, community health, housing and education.

**Results**

Participants reported feeling more confident that they understood their roles and that they had the tools to follow through on their plans. They have also reported it was vitally important to have an experienced and neutral facilitator to guide their work, creating a space for dialogue about and resolution of key organizational concerns and opportunities.

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices
608	Community Resource Planning and Development
805	Community Institutions, Health, and Social Services

**Outcome #16**

**1. Outcome Measures**

Mobilize community capacities, assets or resources

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	119

### 3c. Qualitative Outcome or Impact Statement

#### Issue (Who cares and Why)

Strategies for Economic and Community Success: While the profitability of business is a key factor in a strong local economy, local town government often plays a role in economic development. Often there are strong but competing views about what a town should do to support local business and economic development. Town leaders need assistance to negotiate inclusive and productive planning and input processes that maximize the potential for success.

#### What has been done

UMaine Extension works with community governments to plan, facilitate, and evaluate planning sessions that require stakeholder and community member input.

#### Results

Examples of success include:

?We worked with two neighboring coastal communities to identify community assets and concerns and summarize results at two community forums. Based on the results we led discussions to formation of an endowed community fund managed on behalf of the communities to fund local organizations in support of community vitality. A follow-up community forum focused on the role the arts could play to stimulate the local economy.

?In one island community select-board members listened to citizens and local business owners speak about factors under town control that contributed to and detracted from business success. This helped town officials understand how to revise their comprehensive plans and zoning ordinances to remove barriers to business development.

?In another we helped the town council and town manager create a four-part strategic plan for stimulating the local economy and making local government services more effective and responsive to residents and businesses.

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
602	Business Management, Finance, and Taxation
608	Community Resource Planning and Development

#### Outcome #17

##### 1. Outcome Measures

Demonstrate leadership skills

##### 2. Associated Institution Types

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	492

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
602	Business Management, Finance, and Taxation
608	Community Resource Planning and Development
801	Individual and Family Resource Management
805	Community Institutions, Health, and Social Services

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

**External factors which affected outcomes**

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

**Brief Explanation**

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**Evaluation Results**

**Key Items of Evaluation**





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

**Program # 7**

**1. Name of the Planned Program**

Sustainable Youth, Families, and Communities

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

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
608	Community Resource Planning and Development	20%			
724	Healthy Lifestyle	60%			
802	Human Development and Family Well-Being	15%			
803	Sociological and Technological Change Affecting Individuals, Families, and Communities	5%			
	<b>Total</b>	100%			

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

**1. Actual amount of professional FTE/SYs expended this Program**

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Actual	27.2	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
825534	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
2502116	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
2120933	0	0	0

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

## 1. Brief description of the Activity

- Community Development (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
- Community Development (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
  - General Activities-Sustainable Youth, Family and Community Development (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
  - General Activities-Sustainable Youth, Family and Community Development (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
    - Human Development (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
    - Human Development (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)
  - Parenting Education (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
  - Parenting Education (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
  - Senior Companion Program (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
  - Youth Development Activities (Direct; Club, Conference, Program, Consultation, Scholarship, or Training)
    - Youth Development Activities (Indirect; Applied Research, Media, Internet, Publication, Resulting from Training)

## 2. Brief description of the target audience

- 4-H Volunteers (Adult)
- 4-H Youth (Youth)
- Community Leaders (Adult)
- County Executive Committee Members (Adult)
- Dairy Producers (Adult)
- Elders or Seniors (Adult)
- Extension - staff (Adult)
- Extension Staff (Adult)
- Families (Adult)
- General Public (Adult)
- General Public (Youth)
- Master Gardener Volunteers (Adult)
- Parent Educators (Adult)
- Parents (Adult)
- Senior Companion Program Volunteers (Adult)
- Teachers (Adult)
- Volunteers (Adult)

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

### 1. Standard output measures

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	4059	3927	5644	16117

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

Year: 2010  
 Actual: 0

**Patents listed**

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2010	Extension	Research	Total
Actual	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct; Club, Conference, Program, Consultation, Scholarship, or Training

Year	Actual
2010	3764

**Output #2**

**Output Measure**

- Indirect; Applied Research, Media, Internet, Publication, Resulting from Training

Year	Actual
2010	1646

**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Demonstrate application of life skills
2	Demonstrate application of subject matter knowledge
3	Demonstrate civic engagement
4	Engage positively in their community
5	Adopt healthy dietary practices (consume nutrient-rich foods, follow current Dietary Guidelines for Americans or DASH, etc)
6	Integrate regular physical activity into daily life
7	Increase life skills (healthy relationships, decision making, problem solving, parenting, lifespan development, communication, etc)
8	Increase career aspirations & goal setting
9	Reduce carbon footprint
10	Reduce waste
11	Adopt sustainable living practices
12	Train, support and mentor others in leadership roles
13	Demonstrate application of leadership skills
14	Assess community needs and assets
15	Strengthen community capacities, human capital, building partnerships
16	Adopt effective community strategies
17	Demonstrate leadership skills

## **Outcome #1**

### **1. Outcome Measures**

Demonstrate application of life skills

### **2. Associated Institution Types**

- 1862 Extension

### **3a. Outcome Type:**

Change in Action Outcome Measure

### **3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	597

### **3c. Qualitative Outcome or Impact Statement**

#### **Issue (Who cares and Why)**

4-H Youth Development in Maine: Research has shown that it is important for youth to be involved with positive development experiences both during the school day and during out of school time. Not only does positive development provide youth with multiple chances to develop leadership and important life skills, it also helps to strengthen families and communities. Research also shows that youth who are participate in positive development opportunities are more likely to be involved in their communities and less likely to get into trouble or make choices that could negatively impact their lives.

#### **What has been done**

For more than 90 years the Maine 4-H program has provided positive youth development experiences for kids. Maine youth who are involved in 4-H community clubs, 4-H afterschool, 4-H school enrichment, and 4-H camps benefit from a direct connection with the resources of the University of Maine which helps to further their learning and career explorations.

#### **Results**

In 2010 more than 31,500 youth participated in the Maine 4-H program. Their participation included attending 4-H camps, 4-H community clubs, and 4-H afterschool and 4-H school enrichment programs. There were more than 14,500 who participated in hands on experiential learning related to science, engineering and technology, engaging in numerous projects such as robotics, animal science, plant science, and environmental science. More than 3,600 youth engaged in citizenship projects and were actively involved in making a positive difference in their local communities. Examples included growing food for a local food pantry, helping to establish a community garden, supporting the families of deployed soldiers, and developing safer trails for recreational vehicles such as ATVs (all terrain vehicles). There were also 19,000 youth engaged in 4-H projects that focused on healthy lifestyles who learned about food and nutrition including

how to grow their own food, and how to stay active to improve their health and minimize the risk of childhood obesity.

#### 4. Associated Knowledge Areas

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

### Outcome #2

#### 1. Outcome Measures

Demonstrate application of subject matter knowledge

#### 2. Associated Institution Types

- 1862 Extension

#### 3a. Outcome Type:

Change in Action Outcome Measure

#### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2010	{No Data Entered}	4109

#### 3c. Qualitative Outcome or Impact Statement

##### **Issue (Who cares and Why)**

Foundations of the Future; Parenting the next Generation: Society depends on parents to care for and educate the next generation. But from pre-birth to preschool, young children have complex and constantly changing needs, and what they learn during this stage lays the foundation for their future. When parents do not understand children's normal behavior, they cannot give their children the skills they will need as adults to contribute meaningfully and productively to society.

##### **What has been done**

Using the Parents as Teachers Born to Learn? curriculum and the Brazelton Touchpoints Approach?, and in cooperation with the other Maine Families home visiting programs, UMaine Parent Educators provided parenting information, support, and encouragement to over 3,000 families last year.

##### **Results**

Parent Educators answered families' questions about child development, health, literacy, nutrition, safety, and other topics. They helped parents become good observers of their children, pointed out their strengths, and promoted their sense of competence as their children's first and most important teachers. According to Parents as Teachers' research, parents who participate in a Born to Learn? program show increased parenting knowledge, attitudes, and behaviors. As a

local reflection of this research, 93 percent of the parents who responded to the program survey reported that participation has caused a great or moderate increase in their confidence in their parenting skills. A full 100 percent would recommend this program to other first-time parents, which demonstrates the consensus that parents' sense of support and confidence, so essential to the successful achievement of their important task, is meaningfully promoted by the work of our parent education program.

**4. Associated Knowledge Areas**

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

**Outcome #3**

**1. Outcome Measures**

Demonstrate civic engagement

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	3986

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development
724	Healthy Lifestyle
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities



**Outcome #4**

**1. Outcome Measures**

Engage positively in their community

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	2820

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development
724	Healthy Lifestyle
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #5**

**1. Outcome Measures**

Adopt healthy dietary practices (consume nutrient-rich foods, follow current Dietary Guidelines for Americans or DASH, etc)

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	14103

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #6**

**1. Outcome Measures**

Integrate regular physical activity into daily life

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	158

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
724	Healthy Lifestyle
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #7**

**1. Outcome Measures**

Increase life skills (healthy relationships, decision making, problem solving, parenting, lifespan development, communication, etc)

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	4661

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

The Father's Role in Parenting Education: The first five years of a child's life are a critical time for development. Recent research has concluded that fathers play an important role in their child's development in these early years. Positive outcomes from involved fathers include educational, emotional, and social success. Unfortunately, the vast majority of programs that serve families with young children are often aimed almost exclusively at mothers.

**What has been done**

Through the Maine Families Program of the UMaine Extension, parent education professionals have made efforts to include first-time fathers in our parenting programs. New fathers are encouraged to participate in enrollment visits, goal setting, home safety assessments, and

developmental screenings. Hands-on parent-child interactions are a vital part of each home visit and parenting session providing fathers opportunities to be actively involved.

**Results**

This year 331 first-time families were served in four Maine Counties. Our educators reported that 287 of those families had fathers in the home or involved in parenting. More than half of those fathers participated in home visits and 39 percent were fully involved in the parenting education experience. Through home visits these fathers were able to take an active role in parenting, receive information about child development, learn ways to interact positively with their child, and gain knowledge about the importance of their role in their child's development.

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
724	Healthy Lifestyle
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #8**

**1. Outcome Measures**

Increase career aspirations & goal setting

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	453

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
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724 Healthy Lifestyle  
802 Human Development and Family Well-Being

**Outcome #9**

**1. Outcome Measures**

Reduce carbon footprint

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	133

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #10**

**1. Outcome Measures**

Reduce waste

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	510

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #11**

**1. Outcome Measures**

Adopt sustainable living practices

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	9852

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
608	Community Resource Planning and Development
724	Healthy Lifestyle
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #12**

**1. Outcome Measures**

Train, support and mentor others in leadership roles

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	694

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
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608 Community Resource Planning and Development  
803 Sociological and Technological Change Affecting Individuals, Families, and Communities

### **Outcome #13**

#### **1. Outcome Measures**

Demonstrate application of leadership skills

#### **2. Associated Institution Types**

- 1862 Extension

#### **3a. Outcome Type:**

Change in Action Outcome Measure

#### **3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	730

#### **3c. Qualitative Outcome or Impact Statement**

##### **Issue (Who cares and Why)**

4-H Delivers Food Security to Maine Families: In our current distressed economy, many Maine families are struggling to put food on the table, and with tight budgets are unable to afford nutritious fresh produce. Lack of fresh produce contributes to poor health.

##### **What has been done**

The Coastal Clovers 4-H Club wanted to learn gardening skills and help their struggling neighbors so created Food for Families, a project to grow and donate fresh produce to local food pantries. Their goal was to donate at least a ton. Club members received generous support, including a grant from Cumberland Farms National 4-H Council Youth in Action Grant. They constructed a makeshift greenhouse, started seedlings, and grew lots of nutritious food. The entire harvest was donated to local and statewide food pantries.

##### **Results**

Club members learned valuable life skills in agriculture, self-sufficiency, team-work, planning, and goal setting. This summer, through their hard work and over 1,000 hours of community service they harvested 6,600 pounds of fresh produce and fruit that was delivered to a local food pantry and a statewide Food Bank distribution network. The estimated value of their contribution was over \$18,000. Throughout the summer and early fall struggling Maine families were able to enjoy nutritious meals including fresh cabbage, zucchini, squash, cauliflower, peppers, broccoli, cucumbers, tomatoes, green beans, watermelon and cantaloupe ? all carefully sown, tended, and harvested by young hands.

#### **4. Associated Knowledge Areas**



<b>KA Code</b>	<b>Knowledge Area</b>
608	Community Resource Planning and Development
802	Human Development and Family Well-Being

**Outcome #14**

**1. Outcome Measures**

Assess community needs and assets

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	252

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
608	Community Resource Planning and Development
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #15**

**1. Outcome Measures**

Strengthen community capacities, human capital, building partnerships

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	172

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

Federal/University Partnership Benefits Seniors and the Economy of Maine: Maine is, per capita, the oldest state in the country, making caring for our aging population a pressing issue. State reduction of MaineCare (Medicare) costs are realized by keeping frail elderly at home as they desire rather than being placed in long-term care.

**What has been done**

Many Maine seniors are willing and able to be viable contributors to their community. The Senior Companion Program offers an opportunity for volunteers with limited incomes to provide companionship and non-medical support to others who are homebound and/or isolated, helping to keep them independent and at home. The Program is supported with funding from the Corporation for National and Community Service, and the University of Maine.

**Results**

The Senior Companion Program provides opportunity for all participants to be as independent as possible given their life situation. A recent study through the University of Maine Economics Department showed that the Senior Companion Program was saving a minimum of \$4.6 million per year by helping home bound elderly remain in their home rather than going into long-term care.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #16**

**1. Outcome Measures**

Adopt effective community strategies

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	{No Data Entered}	12

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

**Outcome #17**

**1. Outcome Measures**

Demonstrate leadership skills

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	{No Data Entered}	492

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
608	Community Resource Planning and Development
803	Sociological and Technological Change Affecting Individuals, Families, and Communities

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

**External factors which affected outcomes**

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

**Brief Explanation**

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**Evaluation Results**

**Key Items of Evaluation**

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

**Program # 8**

**1. Name of the Planned Program**

Administrative Plan of Work; Planning and Supervision

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

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
902	Administration of Projects and Programs	100%			
	<b>Total</b>	100%			

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

1. Actual amount of professional FTE/SYs expended this Program

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Plan	9.1	0.0	0.3	0.0
Actual	5.0	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
42597	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
155716	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
114921	0	0	0

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

1. Brief description of the Activity

- .. Eat Well Administration
- .. Eat Well Regional Management
- .. General Administrative Activities
- .. Maine Agricultural Center
- .. Maine Planning and Reporting System

“ Plan of Work Oversight and Supervision

**2. Brief description of the target audience**

- Extension - all staff (Adult)
- Extension Faculty (Adult)
- Extension Professionals (Adult)
- Nutrition Associates (Adult)

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

**1. Standard output measures**

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Actual</b>	0	0	0	0

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

**Patent Applications Submitted**

Year: 2010

Actual: {No Data}

**Patents listed**

{No Data Entered}

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2010	Extension	Research	Total
<b>Actual</b>	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Multiple-undefined delivery method  
Not reporting on this Output for this Annual Report

**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Planning and Reporting Compliance

**Outcome #1**

**1. Outcome Measures**

Planning and Reporting Compliance

Not Reporting on this Outcome Measure

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

**External factors which affected outcomes**

- Economy
- Appropriations changes

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}



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

**Program # 9**

**1. Name of the Planned Program**

Agriculture - Crop Production

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

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
101	Appraisal of Soil Resources				
102	Soil, Plant, Water, Nutrient Relationships				
111	Conservation and Efficient Use of Water				
112	Watershed Protection and Management				
131	Alternative Uses of Land				
202	Plant Genetic Resources				
205	Plant Management Systems				
405	Drainage and Irrigation Systems and Facilities				
502	New and Improved Food Products				
604	Marketing and Distribution Practices				
	<b>Total</b>				

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

**1. Actual amount of professional FTE/SYs expended this Program**

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Plan	10.5	0.0	1.0	0.0
Actual	{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**

- " Agriculture - Crop Production Public Presentation
- " Agriculture - Crop Production Related Publications (conference proceedings)
- " Agriculture - Crop Production Related Publications (refereed journal article)
- " Commercial Agriculture Conference
- " Commercial Agriculture Workshop Series
- " Consultations on Crop Production
- " Crop Production Related (abstract)
- " Crop Production Related (curriculum)
- " Crop Production Related (fact sheet)
- " Crop Production Related (newsletter)
- " Crop Related Demonstration
- " Farm Energy Presentations/Events
- " Field Day Presentations (Potato)

**2. Brief description of the target audience**

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

**1. Standard output measures**

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Actual</b>	0	0	0	0

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

**Patent Applications Submitted**

Year: 2010

Actual: {No Data}

**Patents listed**

{No Data Entered}

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2010	Extension	Research	Total
Actual	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct - Consultation  
Not reporting on this Output for this Annual Report

**Output #2**

**Output Measure**

- Indirect - Publication - manual  
Not reporting on this Output for this Annual Report

**Output #3**

**Output Measure**

- Direct - Conference/Symposium  
Not reporting on this Output for this Annual Report

**Output #4**

**Output Measure**

- Direct - Collaborative or Cooperative Effort  
Not reporting on this Output for this Annual Report

**Output #5**

**Output Measure**

- Direct - Train-the-Trainer or Volunteer Training  
Not reporting on this Output for this Annual Report

**Output #6**

**Output Measure**

- Indirect - Applied Research  
Not reporting on this Output for this Annual Report

**Output #7**

**Output Measure**

- Direct - Educational Programs or Projects  
Not reporting on this Output for this Annual Report

**Output #8**

**Output Measure**

- Direct - Scholarship  
Not reporting on this Output for this Annual Report

**Output #9**

**Output Measure**

- Indirect - Media and Internet  
Not reporting on this Output for this Annual Report

**Output #10**

**Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship  
Not reporting on this Output for this Annual Report

**Output #11**

**Output Measure**

- Indirect - Publication in the Popular Media  
Not reporting on this Output for this Annual Report

**Output #12**

**Output Measure**

- Multiple-undefined delivery method  
Not reporting on this Output for this Annual Report

**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Adopt appropriate management strategies
2	Adopt appropriate practices
3	Adopt appropriate technologies
4	Adopt environmentally sound technologies that improve economic viability
5	Adopt practices that maintain long-term productivity
6	Adopt practices that maintain profitability
7	Develop environmentally sound technologies that improve economic viability
8	Evaluate and adopt nutrient sources, recycling and delivery systems that produce high quality crops
9	Evaluate new cropping systems
10	Grow new crop
11	Grow new variety
12	Improve Integrated Pest Management
13	Improve production and quality of crops
14	Improve soil health
15	Maintain Certified Crop Advisor Certification
16	Maintain nutrient management certification
17	Maintain pesticide applicator certification

18	Make appropriate cultivar choices
19	Make better decisions regarding pest management
20	Participate in the Maine grass farmer network
21	Test new crops
22	Test new production techniques
23	Increase crop production
24	Reduce the use of high-risk pesticides
25	Adopt appropriate nutrient management strategies
26	Enroll in and work with Farms for the Future
27	Expand Integrated Pest Management
28	Expand and enhance markets
29	Increase consumption of locally produced foods
30	Operate equipment safely
31	Use grasslands efficiently for feed and water quality protection
32	Use new technologies
33	Adopt at least one energy saving practice
34	Plant and harvest gardens
35	Test new nutrient management strategies

**Outcome #1**

**1. Outcome Measures**

Adopt appropriate management strategies

Not Reporting on this Outcome Measure

**Outcome #2**

**1. Outcome Measures**

Adopt appropriate practices

Not Reporting on this Outcome Measure

**Outcome #3**

**1. Outcome Measures**

Adopt appropriate technologies

Not Reporting on this Outcome Measure

**Outcome #4**

**1. Outcome Measures**

Adopt environmentally sound technologies that improve economic viability

Not Reporting on this Outcome Measure

**Outcome #5**

**1. Outcome Measures**

Adopt practices that maintain long-term productivity

Not Reporting on this Outcome Measure

**Outcome #6**

**1. Outcome Measures**

Adopt practices that maintain profitability

Not Reporting on this Outcome Measure

**Outcome #7**

**1. Outcome Measures**

Develop environmentally sound technologies that improve economic viability

Not Reporting on this Outcome Measure

**Outcome #8**

**1. Outcome Measures**

Evaluate and adopt nutrient sources, recycling and delivery systems that produce high quality crops

Not Reporting on this Outcome Measure

**Outcome #9**

**1. Outcome Measures**

Evaluate new cropping systems

Not Reporting on this Outcome Measure

**Outcome #10**

**1. Outcome Measures**

Grow new crop

Not Reporting on this Outcome Measure



**Outcome #11**

**1. Outcome Measures**

Grow new variety

Not Reporting on this Outcome Measure

**Outcome #12**

**1. Outcome Measures**

Improve Integrated Pest Management

Not Reporting on this Outcome Measure

**Outcome #13**

**1. Outcome Measures**

Improve production and quality of crops

Not Reporting on this Outcome Measure

**Outcome #14**

**1. Outcome Measures**

Improve soil health

Not Reporting on this Outcome Measure

**Outcome #15**

**1. Outcome Measures**

Maintain Certified Crop Advisor Certification

Not Reporting on this Outcome Measure

**Outcome #16**

**1. Outcome Measures**

Maintain nutrient management certification

Not Reporting on this Outcome Measure

**Outcome #17**

**1. Outcome Measures**

Maintain pesticide applicator certification

Not Reporting on this Outcome Measure

**Outcome #18**

**1. Outcome Measures**

Make appropriate cultivar choices

Not Reporting on this Outcome Measure

**Outcome #19**

**1. Outcome Measures**

Make better decisions regarding pest management

Not Reporting on this Outcome Measure

**Outcome #20**

**1. Outcome Measures**

Participate in the Maine grass farmer network

Not Reporting on this Outcome Measure

**Outcome #21**

**1. Outcome Measures**

Test new crops

Not Reporting on this Outcome Measure

**Outcome #22**

**1. Outcome Measures**

Test new production techniques

Not Reporting on this Outcome Measure

**Outcome #23**

**1. Outcome Measures**

Increase crop production

Not Reporting on this Outcome Measure

**Outcome #24**

**1. Outcome Measures**

Reduce the use of high-risk pesticides

Not Reporting on this Outcome Measure

**Outcome #25**

**1. Outcome Measures**

Adopt appropriate nutrient management strategies

Not Reporting on this Outcome Measure

**Outcome #26**

**1. Outcome Measures**

Enroll in and work with Farms for the Future

Not Reporting on this Outcome Measure

**Outcome #27**

**1. Outcome Measures**

Expand Integrated Pest Management

Not Reporting on this Outcome Measure

**Outcome #28**

**1. Outcome Measures**

Expand and enhance markets

Not Reporting on this Outcome Measure

**Outcome #29**

**1. Outcome Measures**

Increase consumption of locally produced foods

Not Reporting on this Outcome Measure

**Outcome #30**

**1. Outcome Measures**

Operate equipment safely

Not Reporting on this Outcome Measure

**Outcome #31**

**1. Outcome Measures**

Use grasslands efficiently for feed and water quality protection

Not Reporting on this Outcome Measure

**Outcome #32**

**1. Outcome Measures**

Use new technologies

Not Reporting on this Outcome Measure

**Outcome #33**

**1. Outcome Measures**

Adopt at least one energy saving practice

Not Reporting on this Outcome Measure

**Outcome #34**

**1. Outcome Measures**

Plant and harvest gardens

Not Reporting on this Outcome Measure

**Outcome #35**

**1. Outcome Measures**

Test new nutrient management strategies

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
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}

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

**Program # 10**

**1. Name of the Planned Program**

Agriculture - Sustainable Business Management

**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				
602	Business Management, Finance, and Taxation				
	<b>Total</b>				

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

1. Actual amount of professional FTE/SYs expended this Program

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Plan	2.0	0.0	0.0	0.0
Actual	{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

- \*\* Agriculture - Sustainable Business Management Public Presentation
- \*\* Agriculture Business Related (newspaper article)
- \*\* Agriculture Business Related (publication)

- " Agriculture Business Related (refereed journal article)
- " Consultations - Agriculture Business Management
- " Cost of Production Dairy Farms and Forage Crops
- " Crop Insurance Education - AV Resource
- " Crop Insurance Education - Conference
- " Crop Insurance Education - Display
- " Crop Insurance Education - Public Presentation
- " Crop Insurance Education - Radio Program
- " Crop Insurance Education - Television Segment
- " Crop Insurance Education - Train the Trainer
- " Crop Insurance Education - Website

**2. Brief description of the target audience**

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

**1. Standard output measures**

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Actual</b>	0	0	0	0

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

**Patent Applications Submitted**

Year: 2010

Actual: {No Data}

**Patents listed**

{No Data Entered}

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2010	Extension	Research	Total
<b>Actual</b>	0	0	0

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

**Output Target**



**Output #1**

**Output Measure**

- Direct - Conference/Symposium  
Not reporting on this Output for this Annual Report

**Output #2**

**Output Measure**

- Direct - Consultation  
Not reporting on this Output for this Annual Report

**Output #3**

**Output Measure**

- Indirect - Applied Research  
Not reporting on this Output for this Annual Report

**Output #4**

**Output Measure**

- Direct - Collaborative or Cooperative Effort  
Not reporting on this Output for this Annual Report

**Output #5**

**Output Measure**

- Direct - Educational Programs or Projects  
Not reporting on this Output for this Annual Report

**Output #6**

**Output Measure**

- Direct - Train the Trainer or Volunteer Training  
Not reporting on this Output for this Annual Report

**Output #7**

**Output Measure**

- Indirect - Media and Internet  
Not reporting on this Output for this Annual Report

**Output #8**

**Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship  
Not reporting on this Output for this Annual Report

**Output #9**

**Output Measure**

- Indirect - Publication in the Popular Media  
Not reporting on this Output for this Annual Report

**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Adopt appropriate management strategies
2	Develop a business plan
3	Develop a financial plan
4	Develop an estate plan for business enterprise
5	Enroll in and work with Farms for the Future
6	Keep accurate records
7	Make better decisions using accurate records
8	Secure financing
9	Use relevant UMaine Extension web-based resources
10	Adopt appropriate technologies
11	Adopt business management practices
12	Adopt environmentally sound technologies that improve economic viability
13	Adopt practices that maintain long-term productivity
14	Decide not to create non-viable business
15	Increase business revenues
16	Adopt at least one energy saving practice
17	Make better decision regarding natural resource management

**Outcome #1**

**1. Outcome Measures**

Adopt appropriate management strategies

Not Reporting on this Outcome Measure

**Outcome #2**

**1. Outcome Measures**

Develop a business plan

Not Reporting on this Outcome Measure

**Outcome #3**

**1. Outcome Measures**

Develop a financial plan

Not Reporting on this Outcome Measure

**Outcome #4**

**1. Outcome Measures**

Develop an estate plan for business enterprise

Not Reporting on this Outcome Measure

**Outcome #5**

**1. Outcome Measures**

Enroll in and work with Farms for the Future

Not Reporting on this Outcome Measure

**Outcome #6**

**1. Outcome Measures**

Keep accurate records

Not Reporting on this Outcome Measure

**Outcome #7**

**1. Outcome Measures**

Make better decisions using accurate records

Not Reporting on this Outcome Measure

**Outcome #8**

**1. Outcome Measures**

Secure financing

Not Reporting on this Outcome Measure

**Outcome #9**

**1. Outcome Measures**

Use relevant UMaine Extension web-based resources

Not Reporting on this Outcome Measure

**Outcome #10**

**1. Outcome Measures**

Adopt appropriate technologies

Not Reporting on this Outcome Measure

**Outcome #11**

**1. Outcome Measures**

Adopt business management practices

Not Reporting on this Outcome Measure

**Outcome #12**

**1. Outcome Measures**

Adopt environmentally sound technologies that improve economic viability

Not Reporting on this Outcome Measure

**Outcome #13**

**1. Outcome Measures**

Adopt practices that maintain long-term productivity

Not Reporting on this Outcome Measure

**Outcome #14**

**1. Outcome Measures**

Decide not to create non-viable business

Not Reporting on this Outcome Measure

**Outcome #15**

**1. Outcome Measures**

Increase business revenues

Not Reporting on this Outcome Measure

**Outcome #16**

**1. Outcome Measures**

Adopt at least one energy saving practice

Not Reporting on this Outcome Measure

**Outcome #17**

**1. Outcome Measures**

Make better decision regarding natural resource management

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
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**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**

Coastal and Marine

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

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
112	Watershed Protection and Management				
134	Outdoor Recreation				
135	Aquatic and Terrestrial Wildlife				
307	Animal Management Systems				
608	Community Resource Planning and Development				
	<b>Total</b>				

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

**1. Actual amount of professional FTE/SYs expended this Program**

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Plan	4.2	0.0	1.1	0.0
Actual	{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}
<b>1862 Matching</b>	<b>1890 Matching</b>	<b>1862 Matching</b>	<b>1890 Matching</b>
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
<b>1862 All Other</b>	<b>1890 All Other</b>	<b>1862 All Other</b>	<b>1890 All Other</b>
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

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

**1. Brief description of the Activity**



- Applied Research in Fisheries and Aquaculture
- Assessment of Rainbow Smelt in Downeast Maine
- Atlantic Halibut Assessment and Tagging Studies
- Beach Profile Monitoring Program
- Coastal Access Forums
- Community Development Related (publication)
- Community Development Related (refereed journal article)
- Interactive, Collaborative Fisheries Management Workshops
- Maine Beaches Conference
- Maine Healthy Beaches Consultation
- Maine Healthy Beaches Education and Outreach
- Maine Healthy Beaches Field Training
- Marine Education in Classrooms

**2. Brief description of the target audience**

- Agency Staff or Professionals (Adult)
- Coastal Land Owners (Adult)
- Commercial Fishing Industry Members (Adult)
- Commercial Aquaculturalists (Adult)
- Commercial Fishing Industry Organization Members (Adult)
- Community Leaders (Adult)
- Community Members (Adult)
- General Public (Adult)
- Municipal Officials (Adult)
- Policy Makers (Adult)
- Veterinarians (Adult)
- Volunteers (Adult)
- Community Members (Youth)
- Students (Youth)

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

**1. Standard output measures**

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Actual</b>	0	0	0	0

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

**Patent Applications Submitted**

Year: 2010

Actual: {No Data}

**Patents listed**

{No Data Entered}

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2010	Extension	Research	Total
<b>Actual</b>	0	0	0

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

### **Output Target**

#### **Output #1**

##### **Output Measure**

- Direct - Applied Research  
Not reporting on this Output for this Annual Report

#### **Output #2**

##### **Output Measure**

- Direct - Collaborative or Cooperative Effort  
Not reporting on this Output for this Annual Report

#### **Output #3**

##### **Output Measure**

- Direct - Conference/Symposium  
Not reporting on this Output for this Annual Report

#### **Output #4**

##### **Output Measure**

- Direct - Consultation  
Not reporting on this Output for this Annual Report

#### **Output #5**

##### **Output Measure**

- Direct - Train the Trainer or Volunteer Training  
Not reporting on this Output for this Annual Report

#### **Output #6**

##### **Output Measure**

- Indirect - Applied Research  
Not reporting on this Output for this Annual Report

#### **Output #7**

##### **Output Measure**

- Direct - Educational Programs or Projects  
Not reporting on this Output for this Annual Report

#### **Output #8**

##### **Output Measure**

- Direct - Scholarship

Not reporting on this Output for this Annual Report

**Output #9**

**Output Measure**

- Indirect - Publication in the Popular Media  
Not reporting on this Output for this Annual Report

**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Adopt appropriate practices
2	Adopt practices that maintain long-term productivity
3	Conduct community service or outreach
4	Increase levels of community participation and decision making
5	Make better decision regarding natural resource management
6	Promote community responsibility and action
7	Promote municipal responsibility and action
8	Promote personal responsibility and action
9	Develop environmentally sound technologies and practices
10	Assess community needs
11	Adopt appropriate management strategies
12	Keep farmed aquatic species healthy
13	Work towards improving water quality and eliminating pollution sources

**Outcome #1**

**1. Outcome Measures**

Adopt appropriate practices

Not Reporting on this Outcome Measure

**Outcome #2**

**1. Outcome Measures**

Adopt practices that maintain long-term productivity

Not Reporting on this Outcome Measure

**Outcome #3**

**1. Outcome Measures**

Conduct community service or outreach

Not Reporting on this Outcome Measure

**Outcome #4**

**1. Outcome Measures**

Increase levels of community participation and decision making

Not Reporting on this Outcome Measure

**Outcome #5**

**1. Outcome Measures**

Make better decision regarding natural resource management

Not Reporting on this Outcome Measure

**Outcome #6**

**1. Outcome Measures**

Promote community responsibility and action

Not Reporting on this Outcome Measure

**Outcome #7**

**1. Outcome Measures**

Promote municipal responsibility and action

Not Reporting on this Outcome Measure

**Outcome #8**

**1. Outcome Measures**

Promote personal responsibility and action

Not Reporting on this Outcome Measure

**Outcome #9**

**1. Outcome Measures**

Develop environmentally sound technologies and practices

Not Reporting on this Outcome Measure

**Outcome #10**

**1. Outcome Measures**

Assess community needs

Not Reporting on this Outcome Measure

**Outcome #11**

**1. Outcome Measures**

Adopt appropriate management strategies

Not Reporting on this Outcome Measure

**Outcome #12**

**1. Outcome Measures**

Keep farmed aquatic species healthy

Not Reporting on this Outcome Measure

**Outcome #13**

**1. Outcome Measures**

Work towards improving water quality and eliminating pollution sources

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
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**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**

Entrepreneurship - Small and Home Based Business

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

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
134	Outdoor Recreation				
504	Home and Commercial Food Service				
602	Business Management, Finance, and Taxation				
604	Marketing and Distribution Practices				
607	Consumer Economics				
608	Community Resource Planning and Development				
801	Individual and Family Resource Management				
	<b>Total</b>				

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

**1. Actual amount of professional FTE/SYs expended this Program**

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Plan	5.0	0.0	0.5	0.0
Actual	{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**

- .. Business Consultations
- .. Doing Business Radio Show
- .. Eastern Maine Regional Business Regional Conference
- .. eXtension Entrepreneurs and their Communities Core Team
- .. Food Science Outreach Website
- .. General Activities - Entrepreneurship - small and home based business
- .. Governor's Regional Conferences on Small Business & Entrepreneurship
- .. How to Start a Specialty Food Business
- .. National Home-Based and Micro Business Design Team
- .. Recipe to Market Workshop Series
- .. Small and Home Based Business Education Clinic
- .. Small and Home Based Business Workshop Series
- .. Small Business Related (publication)

**2. Brief description of the target audience**

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

**1. Standard output measures**

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Actual</b>	0	0	0	0

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

**Patent Applications Submitted**

Year: 2010

Actual: {No Data}

**Patents listed**

{No Data Entered}

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2010	Extension	Research	Total
<b>Actual</b>	0	0	0

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

### **Output Target**

#### **Output #1**

##### **Output Measure**

- Direct - Conference/Symposium  
Not reporting on this Output for this Annual Report

#### **Output #2**

##### **Output Measure**

- Direct - Consultation  
Not reporting on this Output for this Annual Report

#### **Output #3**

##### **Output Measure**

- Direct - Train the Trainer or Volunteer Training  
Not reporting on this Output for this Annual Report

#### **Output #4**

##### **Output Measure**

- Direct - Collaborative or Cooperative Effort  
Not reporting on this Output for this Annual Report

#### **Output #5**

##### **Output Measure**

- Direct - Educational Programs or Projects  
Not reporting on this Output for this Annual Report

#### **Output #6**

##### **Output Measure**

- Direct - Scholarship  
Not reporting on this Output for this Annual Report

#### **Output #7**

##### **Output Measure**

- Indirect - Media and Internet  
Not reporting on this Output for this Annual Report

#### **Output #8**

##### **Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship

Not reporting on this Output for this Annual Report

**Output #9**

**Output Measure**

- Multiple-undefined delivery method  
Not reporting on this Output for this Annual Report

**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Adopt business management practices
2	Adopt record-keeping system
3	Conduct educational activities through cooperative or collaborative effort
4	Design and implement small business conference
5	Develop a business plan
6	Develop a financial plan
7	Develop a marketing plan
8	Develop marketing tools
9	Establish a business
10	Decide not to create non-viable business
11	Develop tourism plan
12	Expand a business
13	Inventory community assets

**Outcome #1**

**1. Outcome Measures**

Adopt business management practices

Not Reporting on this Outcome Measure

**Outcome #2**

**1. Outcome Measures**

Adopt record-keeping system

Not Reporting on this Outcome Measure

**Outcome #3**

**1. Outcome Measures**

Conduct educational activities through cooperative or collaborative effort

Not Reporting on this Outcome Measure

**Outcome #4**

**1. Outcome Measures**

Design and implement small business conference

Not Reporting on this Outcome Measure

**Outcome #5**

**1. Outcome Measures**

Develop a business plan

Not Reporting on this Outcome Measure

**Outcome #6**

**1. Outcome Measures**

Develop a financial plan

Not Reporting on this Outcome Measure

**Outcome #7**

**1. Outcome Measures**

Develop a marketing plan

Not Reporting on this Outcome Measure

**Outcome #8**

**1. Outcome Measures**

Develop marketing tools

Not Reporting on this Outcome Measure

**Outcome #9**

**1. Outcome Measures**

Establish a business

Not Reporting on this Outcome Measure

**Outcome #10**

**1. Outcome Measures**

Decide not to create non-viable business

Not Reporting on this Outcome Measure

**Outcome #11**

**1. Outcome Measures**

Develop tourism plan

Not Reporting on this Outcome Measure

**Outcome #12**

**1. Outcome Measures**

Expand a business

Not Reporting on this Outcome Measure

**Outcome #13**

**1. Outcome Measures**

Inventory community assets

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
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**Evaluation Results**

{No Data Entered}



**Key Items of Evaluation**

{No Data Entered}

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

**Program # 13**

**1. Name of the Planned Program**

Community Development: Capacity-building Skills

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

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
608	Community Resource Planning and Development				
802	Human Development and Family Well-Being				
803	Sociological and Technological Change Affecting Individuals, Families, and Communities				
805	Community Institutions, Health, and Social Services				
901	Program and Project Design, and Statistics				
	<b>Total</b>				

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

**1. Actual amount of professional FTE/SYs expended this Program**

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Plan	3.1	0.0	0.9	0.0
Actual	{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**

- .. Capacity Building Public Presentation
- .. Community Capacity Building and Leadership.
- .. Community Coaching
- .. Community Development Capacity-Building Skills (fact sheets)
- .. Community Development Capacity-Building Skills (refereed journal article)
- .. Community Development Related (curriculum)
- .. Community Development Related (newspaper article)
- .. Community Development Related (publication)
- .. General Energy Conservation Activities
- .. Maine Solutions Projects
- .. Organizational Development with Community Groups and Organizations
- .. Volunteer Development Activities

**2. Brief description of the target audience**

Volunteers (Youth)

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

**1. Standard output measures**

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Actual</b>	0	0	0	0

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

**Patent Applications Submitted**

Year: 2010

Actual: {No Data}

**Patents listed**

{No Data Entered}

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2010	Extension	Research	Total
<b>Actual</b>	0	0	0

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

## **Output Target**

### **Output #1**

#### **Output Measure**

- Direct - Collaborative or Cooperative Effort  
Not reporting on this Output for this Annual Report

### **Output #2**

#### **Output Measure**

- Indirect - Applied Research  
Not reporting on this Output for this Annual Report

### **Output #3**

#### **Output Measure**

- Direct - Consultation  
Not reporting on this Output for this Annual Report

### **Output #4**

#### **Output Measure**

- Direct - Educational Programs or Projects  
Not reporting on this Output for this Annual Report

### **Output #5**

#### **Output Measure**

- Direct - Scholarship  
Not reporting on this Output for this Annual Report

### **Output #6**

#### **Output Measure**

- Indirect - Media and Internet  
Not reporting on this Output for this Annual Report

### **Output #7**

#### **Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship  
Not reporting on this Output for this Annual Report

### **Output #8**

#### **Output Measure**

- Indirect - Publication in the Popular Media  
Not reporting on this Output for this Annual Report

**Output #9**

**Output Measure**

- Multiple-undefined delivery method  
Not reporting on this Output for this Annual Report

**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Provide learning opportunities for groups or organizations
2	Teach others to take leadership and facilitation roles
3	Access community needs
4	Develop a shared vision for the future
5	Increase capacity to function as a group
6	Increase volunteerism
7	Teach others to convene and facilitate community collaboratives
8	Engage positively in their community
9	Facilitate planning and decision-making processes that create and sustain healthy communities
10	Inventory community assets
11	Participate in leadership roles
12	Support and mentor others in leadership roles

**Outcome #1**

**1. Outcome Measures**

Provide learning opportunities for groups or organizations

Not Reporting on this Outcome Measure

**Outcome #2**

**1. Outcome Measures**

Teach others to take leadership and facilitation roles

Not Reporting on this Outcome Measure

**Outcome #3**

**1. Outcome Measures**

Access community needs

Not Reporting on this Outcome Measure

**Outcome #4**

**1. Outcome Measures**

Develop a shared vision for the future

Not Reporting on this Outcome Measure

**Outcome #5**

**1. Outcome Measures**

Increase capacity to function as a group

Not Reporting on this Outcome Measure

**Outcome #6**

**1. Outcome Measures**

Increase volunteerism

Not Reporting on this Outcome Measure

**Outcome #7**

**1. Outcome Measures**

Teach others to convene and facilitate community collaboratives

Not Reporting on this Outcome Measure

**Outcome #8**

**1. Outcome Measures**

Engage positively in their community

Not Reporting on this Outcome Measure

**Outcome #9**

**1. Outcome Measures**

Facilitate planning and decision-making processes that create and sustain healthy communities

Not Reporting on this Outcome Measure

**Outcome #10**

**1. Outcome Measures**

Inventory community assets

Not Reporting on this Outcome Measure



**Outcome #11**

**1. Outcome Measures**

Participate in leadership roles

Not Reporting on this Outcome Measure

**Outcome #12**

**1. Outcome Measures**

Support and mentor others in leadership roles

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
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}

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

**Program # 14**

**1. Name of the Planned Program**

Environmental Education - Sustainable Living

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

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
111	Conservation and Efficient Use of Water				
112	Watershed Protection and Management				
123	Management and Sustainability of Forest Resources				
134	Outdoor Recreation				
135	Aquatic and Terrestrial Wildlife				
136	Conservation of Biological Diversity				
403	Waste Disposal, Recycling, and Reuse				
703	Nutrition Education and Behavior				
724	Healthy Lifestyle				
801	Individual and Family Resource Management				
	<b>Total</b>				

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

**1. Actual amount of professional FTE/SYs expended this Program**

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Plan	5.7	0.0	0.4	0.0
Actual	{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**

- .. 4-H Day School Programs
- .. 4-H Earth Connections School Programs
- .. 4-H Earth Connections Summer Residential Camp
- .. Blueberry Cove Outputs
- .. Bryant Pond 4-H Camp
- .. Consumer alternative energy activities
- .. Earth Connections Demonstrations at Tanglewood and Blueberry Cove Camps
- .. Earth Connections Volunteers
- .. Earth Connections Web Site
- .. Environmental Education
- .. General Activities - Sustainable Living
- .. Community Mapping Project for Schools
- ..

**2. Brief description of the target audience**

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

**1. Standard output measures**

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Actual</b>	0	0	0	0

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

**Patent Applications Submitted**

Year: 2010

Actual: {No Data}

**Patents listed**

{No Data Entered}

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2010	Extension	Research	Total
Actual	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct - Management teams  
Not reporting on this Output for this Annual Report

**Output #2**

**Output Measure**

- Direct - 4-H Club, Camp, Project, Program  
Not reporting on this Output for this Annual Report

**Output #3**

**Output Measure**

- Direct - Conference/Symposium  
Not reporting on this Output for this Annual Report

**Output #4**

**Output Measure**

- Direct - Educational Programs or Projects  
Not reporting on this Output for this Annual Report

**Output #5**

**Output Measure**

- Direct - Train the Trainer or Volunteer Training  
Not reporting on this Output for this Annual Report

**Output #6**

**Output Measure**

- Indirect - Media and Internet  
Not reporting on this Output for this Annual Report

**Output #7**

**Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship  
Not reporting on this Output for this Annual Report

**Output #8**

**Output Measure**

- Multiple-undefined delivery method  
Not reporting on this Output for this Annual Report

**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Develop skills that promote healthy relationships
2	Increase use of Maine-produced natural resources
3	Make better decision regarding natural resource management
4	Make better decisions regarding healthy lifestyle
5	Promote healthy relationships
6	Protect or conserve biodiversity and habitat including native plant and animal species
7	Adopt environmentally sound practices
8	Adopt lower impact lifestyles
9	Conduct community service or outreach
10	Create and sustain effective partnerships and collaborations
11	Create learning opportunities based on principles of positive human development
12	Develop environmentally sound technologies and practices
13	Adopt Sustainable Living policies or practices as individuals or families.
14	Adopt Sustainable Living policies or practices as organizations.
15	Adopt at least one energy saving practice
16	Conduct community service or outreach using science and technology skills
17	Identify and solve problems using science and technology skills

18	Integrate regular physical activity into daily life
19	Learn about sustainable living from Extension staff members.
20	Learn about sustainable living from Extension volunteers.
21	Make informed decisions about the implementation of techniques that will reduce consumption of fossil fuels
22	Teach others about living more sustainably.
23	Engage positively in their community

**Outcome #1**

**1. Outcome Measures**

Develop skills that promote healthy relationships

Not Reporting on this Outcome Measure

**Outcome #2**

**1. Outcome Measures**

Increase use of Maine-produced natural resources

Not Reporting on this Outcome Measure

**Outcome #3**

**1. Outcome Measures**

Make better decision regarding natural resource management

Not Reporting on this Outcome Measure

**Outcome #4**

**1. Outcome Measures**

Make better decisions regarding healthy lifestyle

Not Reporting on this Outcome Measure

**Outcome #5**

**1. Outcome Measures**

Promote healthy relationships

Not Reporting on this Outcome Measure

**Outcome #6**

**1. Outcome Measures**

Protect or conserve biodiversity and habitat including native plant and animal species

Not Reporting on this Outcome Measure

**Outcome #7**

**1. Outcome Measures**

Adopt environmentally sound practices

Not Reporting on this Outcome Measure

**Outcome #8**

**1. Outcome Measures**

Adopt lower impact lifestyles

Not Reporting on this Outcome Measure

**Outcome #9**

**1. Outcome Measures**

Conduct community service or outreach

Not Reporting on this Outcome Measure



**Outcome #10**

**1. Outcome Measures**

Create and sustain effective partnerships and collaborations

Not Reporting on this Outcome Measure

**Outcome #11**

**1. Outcome Measures**

Create learning opportunities based on principles of positive human development

Not Reporting on this Outcome Measure

**Outcome #12**

**1. Outcome Measures**

Develop environmentally sound technologies and practices

Not Reporting on this Outcome Measure

**Outcome #13**

**1. Outcome Measures**

Adopt Sustainable Living policies or practices as individuals or families.

Not Reporting on this Outcome Measure

**Outcome #14**

**1. Outcome Measures**

Adopt Sustainable Living policies or practices as organizations.

Not Reporting on this Outcome Measure

**Outcome #15**

**1. Outcome Measures**

Adopt at least one energy saving practice

Not Reporting on this Outcome Measure

**Outcome #16**

**1. Outcome Measures**

Conduct community service or outreach using science and technology skills

Not Reporting on this Outcome Measure

**Outcome #17**

**1. Outcome Measures**

Identify and solve problems using science and technology skills

Not Reporting on this Outcome Measure

**Outcome #18**

**1. Outcome Measures**

Integrate regular physical activity into daily life

Not Reporting on this Outcome Measure

**Outcome #19**

**1. Outcome Measures**

Learn about sustainable living from Extension staff members.

Not Reporting on this Outcome Measure

**Outcome #20**

**1. Outcome Measures**

Learn about sustainable living from Extension volunteers.

Not Reporting on this Outcome Measure

**Outcome #21**

**1. Outcome Measures**

Make informed decisions about the implementation of techniques that will reduce consumption of fossil fuels

Not Reporting on this Outcome Measure

**Outcome #22**

**1. Outcome Measures**

Teach others about living more sustainably.

Not Reporting on this Outcome Measure

**Outcome #23**

**1. Outcome Measures**

Engage positively in their community

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
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}

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

**Program # 15**

**1. Name of the Planned Program**

Family Relations and Transitions

**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				
802	Human Development and Family Well-Being				
803	Sociological and Technological Change Affecting Individuals, Families, and Communities				
	<b>Total</b>				

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

**1. Actual amount of professional FTE/SYs expended this Program**

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Plan	7.2	0.0	0.2	0.0
Actual	{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**

- .. 4-H volunteer Development - Volunteer Training
- .. Ages and Stages Workshop Series
- .. Applied Research - Gender Education
- .. Bullying Prevention Workshops
- .. Caring For Kids - Baby Sitting Training for Youth
- .. Collaborative Relationships With Community Organizations
- .. Community Inquiries
- .. Eat Well Associates Training
- .. Energy Trainings
- .. Evaluation projects
- .. Facilitation skills for community leaders
- .. Family Related (fact sheet)
- .. Family Related (publication)
- ..

**2. Brief description of the target audience**

•4-H Volunteers (Adult) •Agency Staff or Professionals (Adult) •Care Providers for Children (Adult) •Community Leaders (Adult) •Community Members (Adult) •Community Organization Members or Staff (Adult) •Extension - all staff (Adult) •Extension Faculty (Adult) •Extension Professionals (Adult) •Families (Adult) •General Public (Adult) •Parent Educators (Adult) •Parents (Adult) •Teachers (Adult) •Youth Educators (Adult) •Families (Youth) •Youth (Youth)

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

**1. Standard output measures**

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Actual</b>	0	0	0	0

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

**Patent Applications Submitted**

Year: 2010  
 Actual: {No Data}

**Patents listed**

{No Data Entered}

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2010	Extension	Research	Total
<b>Actual</b>	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct - Collaborative or Cooperative Effort  
Not reporting on this Output for this Annual Report

**Output #2**

**Output Measure**

- Direct - Conference/Symposium  
Not reporting on this Output for this Annual Report

**Output #3**

**Output Measure**

- Direct - Consultation  
Not reporting on this Output for this Annual Report

**Output #4**

**Output Measure**

- Direct - Train the Trainer or Volunteer Training  
Not reporting on this Output for this Annual Report

**Output #5**

**Output Measure**

- Indirect - Applied Research  
Not reporting on this Output for this Annual Report

**Output #6**

**Output Measure**

- Direct - Educational Programs or Projects  
Not reporting on this Output for this Annual Report

**Output #7**

**Output Measure**

- Direct - Scholarship  
Not reporting on this Output for this Annual Report

**Output #8**

**Output Measure**

- Indirect - Administrative Coordination

Not reporting on this Output for this Annual Report

**Output #9**

**Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship  
Not reporting on this Output for this Annual Report

**Output #10**

**Output Measure**

- Indirect - Publication in the Popular Media  
Not reporting on this Output for this Annual Report

**Output #11**

**Output Measure**

- Indirect - Resulting from Train the Trainer  
Not reporting on this Output for this Annual Report



**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Adopt record-keeping system
2	Balance roles, responsibilities, and stress
3	Conduct community-based education that encourages healthy individual and family behaviors
4	Create learning opportunities based on principles of positive human development
5	Create safe and empowering learning opportunities
6	Create sustainable networks
7	Develop a financial plan
8	Develop and apply policies or practices that create safe, healthy physical environments
9	Develop literacy and critical thinking skills
10	Develop skills that promote healthy relationships
11	Engage in leadership development
12	Make better decisions
13	Make better decisions using accurate records
14	Manage community resources
15	Model positive group behavior to others
16	Use literacy and critical thinking skills
17	Use relevant UMaine Extension web-based resources

18	Provide learning opportunities for groups or organizations
19	Reduce or eliminate gender stereotyping
20	Teach others to take leadership and facilitation roles
21	Treat all people with dignity and respect
22	Create and sustain effective partnerships and collaborations
23	Support and mentor others in leadership roles
24	Assume personal responsibility for health
25	Dollars saved
26	Facilitate community discussions
27	Increase volunteerism
28	Keep accurate records
29	Make better decisions regarding healthy lifestyle
30	Promote healthy relationships
31	Take leadership role
32	Use a collaborative process or approach
33	Adopt at least one energy saving practice
34	Express good feeling about self
35	Implement public policies or practices
36	Work productively in a team

**Outcome #1**

**1. Outcome Measures**

Adopt record-keeping system

Not Reporting on this Outcome Measure

**Outcome #2**

**1. Outcome Measures**

Balance roles, responsibilities, and stress

Not Reporting on this Outcome Measure

**Outcome #3**

**1. Outcome Measures**

Conduct community-based education that encourages healthy individual and family behaviors

Not Reporting on this Outcome Measure

**Outcome #4**

**1. Outcome Measures**

Create learning opportunities based on principles of positive human development

Not Reporting on this Outcome Measure

**Outcome #5**

**1. Outcome Measures**

Create safe and empowering learning opportunities

Not Reporting on this Outcome Measure

**Outcome #6**

**1. Outcome Measures**

Create sustainable networks

Not Reporting on this Outcome Measure

**Outcome #7**

**1. Outcome Measures**

Develop a financial plan

Not Reporting on this Outcome Measure

**Outcome #8**

**1. Outcome Measures**

Develop and apply policies or practices that create safe, healthy physical environments

Not Reporting on this Outcome Measure

**Outcome #9**

**1. Outcome Measures**

Develop literacy and critical thinking skills

Not Reporting on this Outcome Measure

**Outcome #10**

**1. Outcome Measures**

Develop skills that promote healthy relationships

Not Reporting on this Outcome Measure

**Outcome #11**

**1. Outcome Measures**

Engage in leadership development

Not Reporting on this Outcome Measure

**Outcome #12**

**1. Outcome Measures**

Make better decisions

Not Reporting on this Outcome Measure

**Outcome #13**

**1. Outcome Measures**

Make better decisions using accurate records

Not Reporting on this Outcome Measure

**Outcome #14**

**1. Outcome Measures**

Manage community resources

Not Reporting on this Outcome Measure

**Outcome #15**

**1. Outcome Measures**

Model positive group behavior to others

Not Reporting on this Outcome Measure

**Outcome #16**

**1. Outcome Measures**

Use literacy and critical thinking skills

Not Reporting on this Outcome Measure

**Outcome #17**

**1. Outcome Measures**

Use relevant UMaine Extension web-based resources

Not Reporting on this Outcome Measure

**Outcome #18**

**1. Outcome Measures**

Provide learning opportunities for groups or organizations

Not Reporting on this Outcome Measure

**Outcome #19**

**1. Outcome Measures**

Reduce or eliminate gender stereotyping

Not Reporting on this Outcome Measure

**Outcome #20**

**1. Outcome Measures**

Teach others to take leadership and facilitation roles

Not Reporting on this Outcome Measure

**Outcome #21**

**1. Outcome Measures**

Treat all people with dignity and respect

Not Reporting on this Outcome Measure

**Outcome #22**

**1. Outcome Measures**

Create and sustain effective partnerships and collaborations

Not Reporting on this Outcome Measure

**Outcome #23**

**1. Outcome Measures**

Support and mentor others in leadership roles

Not Reporting on this Outcome Measure

**Outcome #24**

**1. Outcome Measures**

Assume personal responsibility for health

Not Reporting on this Outcome Measure

**Outcome #25**

**1. Outcome Measures**

Dollars saved

Not Reporting on this Outcome Measure

**Outcome #26**

**1. Outcome Measures**

Facilitate community discussions

Not Reporting on this Outcome Measure

**Outcome #27**

**1. Outcome Measures**

Increase volunteerism

Not Reporting on this Outcome Measure

**Outcome #28**

**1. Outcome Measures**

Keep accurate records

Not Reporting on this Outcome Measure

**Outcome #29**

**1. Outcome Measures**

Make better decisions regarding healthy lifestyle

Not Reporting on this Outcome Measure

**Outcome #30**

**1. Outcome Measures**

Promote healthy relationships

Not Reporting on this Outcome Measure



**Outcome #31**

**1. Outcome Measures**

Take leadership role

Not Reporting on this Outcome Measure

**Outcome #32**

**1. Outcome Measures**

Use a collaborative process or approach

Not Reporting on this Outcome Measure

**Outcome #33**

**1. Outcome Measures**

Adopt at least one energy saving practice

Not Reporting on this Outcome Measure

**Outcome #34**

**1. Outcome Measures**

Express good feeling about self

Not Reporting on this Outcome Measure

**Outcome #35**

**1. Outcome Measures**

Implement public policies or practices

Not Reporting on this Outcome Measure

**Outcome #36**

**1. Outcome Measures**

Work productively in a team

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
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}

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

**Program # 16**

**1. Name of the Planned Program**

Forestry and Wildlife

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

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
112	Watershed Protection and Management				
123	Management and Sustainability of Forest Resources				
124	Urban Forestry				
125	Agroforestry				
134	Outdoor Recreation				
135	Aquatic and Terrestrial Wildlife				
136	Conservation of Biological Diversity				
724	Healthy Lifestyle				
	<b>Total</b>				

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

**1. Actual amount of professional FTE/SYs expended this Program**

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Plan	2.2	0.0	0.1	0.0
Actual	{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**

- Annual Maple Schools
- Forestry and Wildlife Program Support and Networking
- Forestry and Wildlife Related (publication)
- Forestry and Wildlife Related (refereed journal article)
- General work in support of Forestry and Wildlife
- Habitat Education for the Settled Landscape
- Habitat Stewards Program
- Habitats Fact Sheet Series and PowerPoint Presentations
- Maple Grading School
- Non-timber Forest Products

**2. Brief description of the target audience**

- Agricultural Producers (Adult)
- Business Owners - current (Adult)
- Business Owners - potential (Adult)
- Community Members (Adult)
- Forestland Managers (Adult)
- Forestland Owner - 2 to 10 acres (Adult)
- Forestland Owner - Non-Industrial (Adult)
- General Public (Adult)
- Habitat Stewards (Adult)
- Homeowners - up to 2 acres (Adult)
- Habitat Stewards (Youth)

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

**1. Standard output measures**

2010	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: 2010

Actual: {No Data}

**Patents listed**

{No Data Entered}

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2010	Extension	Research	Total
Actual	0	0	0

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

## **Output Target**

### **Output #1**

#### **Output Measure**

- Direct - Consultation  
Not reporting on this Output for this Annual Report

### **Output #2**

#### **Output Measure**

- Direct - Train the Trainer or Volunteer Training  
Not reporting on this Output for this Annual Report

### **Output #3**

#### **Output Measure**

- Direct - Conference/Symposium  
Not reporting on this Output for this Annual Report

### **Output #4**

#### **Output Measure**

- Direct - Educational Programs or Projects  
Not reporting on this Output for this Annual Report

### **Output #5**

#### **Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship  
Not reporting on this Output for this Annual Report

### **Output #6**

#### **Output Measure**

- Indirect - Publication in the Popular Media  
Not reporting on this Output for this Annual Report

**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Adopt appropriate practices
2	Conduct community service or outreach
3	Improve cover or shelter for wildlife
4	Make better decision regarding natural resource management
5	Protect or conserve biodiversity and habitat including native plant and animal species
6	Reduce pesticide use
7	Start viable alternative enterprises based on sustainable use of natural resources (forest, marine, agriculture)
8	Acres managed as wildlife habitat
9	Develop marketing tools
10	Develop new products
11	Evaluate the potential of new and non-traditional crops and varieties for profitable production in Maine
12	Expand and enhance markets
13	Improve crop quality and marketability
14	Increase profits by at least 10%

**Outcome #1**

**1. Outcome Measures**

Adopt appropriate practices

Not Reporting on this Outcome Measure

**Outcome #2**

**1. Outcome Measures**

Conduct community service or outreach

Not Reporting on this Outcome Measure

**Outcome #3**

**1. Outcome Measures**

Improve cover or shelter for wildlife

Not Reporting on this Outcome Measure

**Outcome #4**

**1. Outcome Measures**

Make better decision regarding natural resource management

Not Reporting on this Outcome Measure

**Outcome #5**

**1. Outcome Measures**

Protect or conserve biodiversity and habitat including native plant and animal species

Not Reporting on this Outcome Measure

**Outcome #6**

**1. Outcome Measures**

Reduce pesticide use

Not Reporting on this Outcome Measure

**Outcome #7**

**1. Outcome Measures**

Start viable alternative enterprises based on sustainable use of natural resources (forest, marine, agriculture)

Not Reporting on this Outcome Measure

**Outcome #8**

**1. Outcome Measures**

Acres managed as wildlife habitat

Not Reporting on this Outcome Measure

**Outcome #9**

**1. Outcome Measures**

Develop marketing tools

Not Reporting on this Outcome Measure

**Outcome #10**

**1. Outcome Measures**

Develop new products

Not Reporting on this Outcome Measure



**Outcome #11**

**1. Outcome Measures**

Evaluate the potential of new and non-traditional crops and varieties for profitable production in Maine

Not Reporting on this Outcome Measure

**Outcome #12**

**1. Outcome Measures**

Expand and enhance markets

Not Reporting on this Outcome Measure

**Outcome #13**

**1. Outcome Measures**

Improve crop quality and marketability

Not Reporting on this Outcome Measure

**Outcome #14**

**1. Outcome Measures**

Increase profits by at least 10%

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
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}

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

**Program # 17**

**1. Name of the Planned Program**

Healthy Lifestyles

**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				
724	Healthy Lifestyle				
801	Individual and Family Resource Management				
802	Human Development and Family Well-Being				
803	Sociological and Technological Change Affecting Individuals, Families, and Communities				
	<b>Total</b>				

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

**1. Actual amount of professional FTE/SYs expended this Program**

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Plan	8.8	0.0	0.9	0.0
Actual	{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**

- .. 4-H Animal Clinics and Fairs
- .. 4-H Civil Rights Team
- .. 4-H Club Program
- .. Babysitter's Training
- .. Building the Capacity of Parenting Educators
- .. Building the Capacity of Senior Companion Program Aides
- .. Bullying Prevention
- .. Chainsaw Safety
- .. Community-based Participatory Research
- .. Cooking for a Crowd
- .. County 4-H Officer's council
- .. Developing Skills for Diverse Learning Abilities
- .. Diabetes: Eating Matters
- ..

**2. Brief description of the target audience**

- 4-H Volunteers (Adult)
- Agency Staff or Professionals (Adult)
- Agricultural Producers (Adult)
- Community Leaders (Adult)
- Community Members (Adult)
- Extension - all staff (Adult)
- Extension Faculty (Adult)
- Extension Homemakers (Adult)
- Families (Adult)
- Farmers (Adult)
- Food Stamp Recipients (Adult)
- General Public (Adult)
- Health Care Providers (Adult)
- Limited Income Public (Adult)
- Nutrition Associates (Adult)
- Parent Educators (Adult)
- Parents (Adult)
- Policy Makers (Adult)
- Senior Companion Program Staff (Adult)
- Senior Companion Program Volunteers (Adult)
- Working Waterfront Industry Owners (Adult)
- Youth Educators (Adult)
- 4-H Community or Project Clubs Participants (Youth)
- 4-H Members (Youth)
- Community Members (Youth)
- Consumers (Adult)
- Consumers (Youth)
- Day Camp Participants (Youth)
- Food Stamp Youth (Youth)
- General Public (Youth)
- Limited Income Public (Youth)
- Students (Youth)
- Youth (Youth)

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

**1. Standard output measures**

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Actual</b>	0	0	0	0

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

**Patent Applications Submitted**

Year: 2010

Actual: {No Data}

**Patents listed**

{No Data Entered}

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2010	Extension	Research	Total
Actual	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct - Collaborative or Cooperative Effort  
Not reporting on this Output for this Annual Report

**Output #2**

**Output Measure**

- Direct - Consultation  
Not reporting on this Output for this Annual Report

**Output #3**

**Output Measure**

- Direct - Train the Trainer or Volunteer Training  
Not reporting on this Output for this Annual Report

**Output #4**

**Output Measure**

- Direct - 4-H Club, Camp, Project, Program  
Not reporting on this Output for this Annual Report

**Output #5**

**Output Measure**

- Direct - Conference/Symposium  
Not reporting on this Output for this Annual Report

**Output #6**

**Output Measure**

- Direct - Educational Programs or Projects  
Not reporting on this Output for this Annual Report

**Output #7**

**Output Measure**

- Direct - Scholarship  
Not reporting on this Output for this Annual Report

**Output #8**

**Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship  
Not reporting on this Output for this Annual Report

**Output #9**

**Output Measure**

- Indirect - Publication in the Popular Media  
Not reporting on this Output for this Annual Report

**Output #10**

**Output Measure**

- Multiple-undefined delivery method

<b>Year</b>	<b>Actual</b>
2010	0

**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Develop literacy and critical thinking skills
2	Distribute nutrition education materials and promotional information about the Maine Family Nutrition Program
3	Integrate regular physical activity into daily life
4	Make better decisions regarding health and health care
5	Make better decisions regarding healthy lifestyle
6	Manage family resources in alignment with goals
7	Model positive group behavior to others
8	Teach others to take leadership and facilitation roles
9	Adopt behaviors to prevent or minimize complications of chronic disease
10	Adopt food safety practices
11	Adopt record-keeping system
12	Adopt the USDA dietary guidelines and the food guide pyramid
13	Assume personal responsibility for health
14	Conduct community-based education that encourages healthy individual and family behaviors
15	Confront disrespectful behaviors
16	Avoid consumer fraud and financial exploitation
17	Use a collaborative process or approach

18	Conduct community service or outreach
19	Dollars saved
20	Handle animals safely
21	Operate equipment safely
22	Successfully complete chainsaw safety training
23	Work effectively with diverse groups

**Outcome #1**

**1. Outcome Measures**

Develop literacy and critical thinking skills

Not Reporting on this Outcome Measure

**Outcome #2**

**1. Outcome Measures**

Distribute nutrition education materials and promotional information about the Maine Family Nutrition Program

Not Reporting on this Outcome Measure

**Outcome #3**

**1. Outcome Measures**

Integrate regular physical activity into daily life

Not Reporting on this Outcome Measure



**Outcome #4**

**1. Outcome Measures**

Make better decisions regarding health and health care

Not Reporting on this Outcome Measure

**Outcome #5**

**1. Outcome Measures**

Make better decisions regarding healthy lifestyle

Not Reporting on this Outcome Measure

**Outcome #6**

**1. Outcome Measures**

Manage family resources in alignment with goals

Not Reporting on this Outcome Measure

**Outcome #7**

**1. Outcome Measures**

Model positive group behavior to others

Not Reporting on this Outcome Measure

**Outcome #8**

**1. Outcome Measures**

Teach others to take leadership and facilitation roles

Not Reporting on this Outcome Measure

**Outcome #9**

**1. Outcome Measures**

Adopt behaviors to prevent or minimize complications of chronic disease

Not Reporting on this Outcome Measure

**Outcome #10**

**1. Outcome Measures**

Adopt food safety practices

Not Reporting on this Outcome Measure

**Outcome #11**

**1. Outcome Measures**

Adopt record-keeping system

Not Reporting on this Outcome Measure

**Outcome #12**

**1. Outcome Measures**

Adopt the USDA dietary guidelines and the food guide pyramid

Not Reporting on this Outcome Measure

**Outcome #13**

**1. Outcome Measures**

Assume personal responsibility for health

Not Reporting on this Outcome Measure

**Outcome #14**

**1. Outcome Measures**

Conduct community-based education that encourages healthy individual and family behaviors

Not Reporting on this Outcome Measure

**Outcome #15**

**1. Outcome Measures**

Confront disrespectful behaviors

Not Reporting on this Outcome Measure

**Outcome #16**

**1. Outcome Measures**

Avoid consumer fraud and financial exploitation

Not Reporting on this Outcome Measure

**Outcome #17**

**1. Outcome Measures**

Use a collaborative process or approach

Not Reporting on this Outcome Measure

**Outcome #18**

**1. Outcome Measures**

Conduct community service or outreach

Not Reporting on this Outcome Measure

**Outcome #19**

**1. Outcome Measures**

Dollars saved

Not Reporting on this Outcome Measure

**Outcome #20**

**1. Outcome Measures**

Handle animals safely

Not Reporting on this Outcome Measure

**Outcome #21**

**1. Outcome Measures**

Operate equipment safely

Not Reporting on this Outcome Measure

**Outcome #22**

**1. Outcome Measures**

Successfully complete chainsaw safety training

Not Reporting on this Outcome Measure

**Outcome #23**

**1. Outcome Measures**

Work effectively with diverse groups

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
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}

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

**Program # 18**

**1. Name of the Planned Program**

Health Literacy, Disease, and Our Health Care System

**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				
803	Sociological and Technological Change Affecting Individuals, Families, and Communities				
805	Community Institutions, Health, and Social Services				
	<b>Total</b>				

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

**1. Actual amount of professional FTE/SYs expended this Program**

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Plan	0.8	0.0	0.0	0.0
Actual	{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**

- Senior Companion Program Training
- Health Related (publication)
- Health Related (refereed journal article)

**2. Brief description of the target audience**

- Senior Companion Program Clients (Adult)
- Senior Companion Program Volunteers (Adult)

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

**1. Standard output measures**

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Actual</b>	0	0	0	0

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

**Patent Applications Submitted**

Year: 2010

Actual: {No Data}

**Patents listed**

{No Data Entered}

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2010	Extension	Research	Total
<b>Actual</b>	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct - Train the Trainer or Volunteer Training
- Not reporting on this Output for this Annual Report

**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Adopt effective communication skills
2	Develop relationships that support independent living



**Outcome #1**

**1. Outcome Measures**

Adopt effective communication skills

Not Reporting on this Outcome Measure

**Outcome #2**

**1. Outcome Measures**

Develop relationships that support independent living

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
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}

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

**Program # 19**

**1. Name of the Planned Program**

Home Horticulture

**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				
111	Conservation and Efficient Use of Water				
112	Watershed Protection and Management				
133	Pollution Prevention and Mitigation				
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants				
206	Basic Plant Biology				
213	Weeds Affecting Plants				
502	New and Improved Food Products				
704	Nutrition and Hunger in the Population				
	<b>Total</b>				

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

1. Actual amount of professional FTE/SYs expended this Program

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Plan	7.6	0.0	0.2	0.0
Actual	{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**

- Central Maine Garden Celebration
- Community Programs on Home Horticulture Topics
- Consultations on Consumer and Commercial Horticulture Topics
- Consumer Horticulture Field Day
- Consumer Horticulture Programming
- Cut Flower Demonstration Project
- Garden Angel Program
- Garden Club Presentations
- Garden to Garden Program
- Gardening Web Site
- General Activities -Home Horticulture
- Growing Tree Fruits in Maine

**2. Brief description of the target audience**

- Adults with Disabilities (Adults)
- Agricultural Workers (Adult)
- Commercial Vegetable Growers (Adult)
- Community Members (Adult)
- First-Time Gardeners (Adult)
- General Public (Adult)
- Green Industry Members (Adult)
- Home Gardeners (Adult)
- Homeowners (Adult)
- Master Gardener Trainees (Adult)
- Master Gardener Volunteers (Adult)
- Volunteers (Adult)
- 4-H Special Interest or Short-Term Program Participants (Youth)
- General Public (Youth)
- Home Gardeners (Youth)
- Master Gardener Volunteers (Youth)

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

**1. Standard output measures**

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Actual</b>	0	0	0	0

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

**Patent Applications Submitted**

Year: 2010

Actual: {No Data}

**Patents listed**

{No Data Entered}

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2010	Extension	Research	Total
Actual	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct - Collaborative or Cooperative Effort  
Not reporting on this Output for this Annual Report

**Output #2**

**Output Measure**

- Direct - Conference/Symposium  
Not reporting on this Output for this Annual Report

**Output #3**

**Output Measure**

- Direct - Consultation  
Not reporting on this Output for this Annual Report

**Output #4**

**Output Measure**

- Direct - Train the Trainer or Volunteer Training  
Not reporting on this Output for this Annual Report

**Output #5**

**Output Measure**

- Indirect - Publication - booklet  
Not reporting on this Output for this Annual Report

**Output #6**

**Output Measure**

- Indirect - Volunteer Effort  
Not reporting on this Output for this Annual Report

**Output #7**

**Output Measure**

- Direct - Educational Programs or Projects  
Not reporting on this Output for this Annual Report

**Output #8**

**Output Measure**

- Indirect - Media and Internet  
Not reporting on this Output for this Annual Report

**Output #9**

**Output Measure**

- Indirect - Publication in the Popular Media  
Not reporting on this Output for this Annual Report

**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Adopt appropriate management strategies
2	Adopt appropriate pest management practices
3	Adopt appropriate technologies
4	Adopt environmentally sound practices
5	Adopt environmentally sound technologies that improve economic viability
6	Adopt practices that maintain profitability
7	Be a mentor to other community organizations or groups
8	Complete volunteer commitment
9	Compost
10	Conduct community service or outreach
11	Grow new crop
12	Grow new variety
13	Identify and respond to pest issues
14	Identify and respond to plant and animal disorders
15	Improve production and quality of crops
16	Increase consumption of locally-grown food
17	Increase crop production

18	Make appropriate cultivar choices
19	Plant and harvest gardens
20	Pounds of food donated
21	Use pesticides safely
22	Develop partnerships among organizations or groups
23	Dollars saved
24	Expand and enhance markets
25	Begin gardening

**Outcome #1**

**1. Outcome Measures**

Adopt appropriate management strategies

Not Reporting on this Outcome Measure

**Outcome #2**

**1. Outcome Measures**

Adopt appropriate pest management practices

Not Reporting on this Outcome Measure

**Outcome #3**

**1. Outcome Measures**

Adopt appropriate technologies

Not Reporting on this Outcome Measure

**Outcome #4**

**1. Outcome Measures**

Adopt environmentally sound practices

Not Reporting on this Outcome Measure

**Outcome #5**

**1. Outcome Measures**

Adopt environmentally sound technologies that improve economic viability

Not Reporting on this Outcome Measure

**Outcome #6**

**1. Outcome Measures**

Adopt practices that maintain profitability

Not Reporting on this Outcome Measure

**Outcome #7**

**1. Outcome Measures**

Be a mentor to other community organizations or groups

Not Reporting on this Outcome Measure

**Outcome #8**

**1. Outcome Measures**

Complete volunteer commitment

Not Reporting on this Outcome Measure



**Outcome #9**

**1. Outcome Measures**

Compost

Not Reporting on this Outcome Measure

**Outcome #10**

**1. Outcome Measures**

Conduct community service or outreach

Not Reporting on this Outcome Measure

**Outcome #11**

**1. Outcome Measures**

Grow new crop

Not Reporting on this Outcome Measure

**Outcome #12**

**1. Outcome Measures**

Grow new variety

Not Reporting on this Outcome Measure

**Outcome #13**

**1. Outcome Measures**

Identify and respond to pest issues

Not Reporting on this Outcome Measure

**Outcome #14**

**1. Outcome Measures**

Identify and respond to plant and animal disorders

Not Reporting on this Outcome Measure

**Outcome #15**

**1. Outcome Measures**

Improve production and quality of crops

Not Reporting on this Outcome Measure

**Outcome #16**

**1. Outcome Measures**

Increase consumption of locally-grown food

Not Reporting on this Outcome Measure

**Outcome #17**

**1. Outcome Measures**

Increase crop production

Not Reporting on this Outcome Measure

**Outcome #18**

**1. Outcome Measures**

Make appropriate cultivar choices

Not Reporting on this Outcome Measure

**Outcome #19**

**1. Outcome Measures**

Plant and harvest gardens

Not Reporting on this Outcome Measure

**Outcome #20**

**1. Outcome Measures**

Pounds of food donated

Not Reporting on this Outcome Measure

**Outcome #21**

**1. Outcome Measures**

Use pesticides safely

Not Reporting on this Outcome Measure

**Outcome #22**

**1. Outcome Measures**

Develop partnerships among organizations or groups

Not Reporting on this Outcome Measure

**Outcome #23**

**1. Outcome Measures**

Dollars saved

Not Reporting on this Outcome Measure

**Outcome #24**

**1. Outcome Measures**

Expand and enhance markets

Not Reporting on this Outcome Measure

**Outcome #25**

**1. Outcome Measures**

Begin gardening

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
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}

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

**Program # 20**

**1. Name of the Planned Program**

Maine Livestock Industry

**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				
301	Reproductive Performance of Animals				
302	Nutrient Utilization in Animals				
307	Animal Management Systems				
308	Improved Animal Products (Before Harvest)				
311	Animal Diseases				
315	Animal Welfare/Well-Being and Protection				
401	Structures, Facilities, and General Purpose Farm Supplies				
601	Economics of Agricultural Production and Farm Management				
602	Business Management, Finance, and Taxation				
	<b>Total</b>				

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

**1. Actual amount of professional FTE/SYs expended this Program**

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Plan	3.6	0.0	0.3	0.0
Actual	{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**

- Beef Conference
- Beef Quality Assurance Training
- Consultations - Livestock
- Cornell Dairy Farm Business Summary Participation
- Dairy Email Newsletters
- Extension Livestock Website
- Farm Financial Recordkeeping Schools
- Farm Visits
- Farmer Meetings
- Farmer Seminars
- General Activities - Maine Livestock Industry
- Grass Farmers Network /Northeast Pasture Consortium
- Livestock Related (abstract)

**2. Brief description of the target audience**

- Agency Staff or Professionals (Adult)
- Agricultural Producers (Adult)
- Agricultural Workers (Adult)
- Beef Producers (Adult)
- Commercial Dairy Producers (Adult)
- Extension Professionals (Adult)
- General Public (Adult)
- Veterinarians (Adult)

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

**1. Standard output measures**

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Actual</b>	0	0	0	0

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

**Patent Applications Submitted**

Year: 2010  
Actual: {No Data}

**Patents listed**  
{No Data Entered}

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2010	Extension	Research	Total
Actual	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct - Collaborative or Cooperative Effort  
Not reporting on this Output for this Annual Report

**Output #2**

**Output Measure**

- Direct - Consultation  
Not reporting on this Output for this Annual Report

**Output #3**

**Output Measure**

- Direct - Educational Programs or Projects  
Not reporting on this Output for this Annual Report

**Output #4**

**Output Measure**

- Direct - Scholarship  
Not reporting on this Output for this Annual Report

**Output #5**

**Output Measure**

- Indirect - Media and Internet  
Not reporting on this Output for this Annual Report

**Output #6**

**Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship

Not reporting on this Output for this Annual Report

**Output #7**

**Output Measure**

- Indirect - Publication in the Popular Media

Not reporting on this Output for this Annual Report

**Output #8**

**Output Measure**

- Multiple-undefined delivery method

Not reporting on this Output for this Annual Report



**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Adopt appropriate nutrient management strategies
2	Adopt practices that maintain long-term productivity
3	Adopt practices that maintain profitability
4	Improve animal well-being
5	Maintain nutrient management certification
6	Make better decisions using available diagnostics
7	Participate in Maine cattle health assurance program
8	Participate in farm animal identification program
9	Participate in livestock disease monitoring programs
10	Participate in livestock quality assurance program
11	Participate in relevant animal associations
12	Participate in the Maine grass farmer network
13	Use grasslands efficiently for feed and water quality protection
14	Evaluate and adopt nutrient sources, recycling and delivery systems that produce high quality crops

**Outcome #1**

**1. Outcome Measures**

Adopt appropriate nutrient management strategies

Not Reporting on this Outcome Measure

**Outcome #2**

**1. Outcome Measures**

Adopt practices that maintain long-term productivity

Not Reporting on this Outcome Measure

**Outcome #3**

**1. Outcome Measures**

Adopt practices that maintain profitability

Not Reporting on this Outcome Measure

**Outcome #4**

**1. Outcome Measures**

Improve animal well-being

Not Reporting on this Outcome Measure

**Outcome #5**

**1. Outcome Measures**

Maintain nutrient management certification

Not Reporting on this Outcome Measure

**Outcome #6**

**1. Outcome Measures**

Make better decisions using available diagnostics

Not Reporting on this Outcome Measure

**Outcome #7**

**1. Outcome Measures**

Participate in Maine cattle health assurance program

Not Reporting on this Outcome Measure

**Outcome #8**

**1. Outcome Measures**

Participate in farm animal identification program

Not Reporting on this Outcome Measure

**Outcome #9**

**1. Outcome Measures**

Participate in livestock disease monitoring programs

Not Reporting on this Outcome Measure

**Outcome #10**

**1. Outcome Measures**

Participate in livestock quality assurance program

Not Reporting on this Outcome Measure

**Outcome #11**

**1. Outcome Measures**

Participate in relevant animal associations

Not Reporting on this Outcome Measure

**Outcome #12**

**1. Outcome Measures**

Participate in the Maine grass farmer network

Not Reporting on this Outcome Measure

**Outcome #13**

**1. Outcome Measures**

Use grasslands efficiently for feed and water quality protection

Not Reporting on this Outcome Measure

**Outcome #14**

**1. Outcome Measures**

Evaluate and adopt nutrient sources, recycling and delivery systems that produce high quality crops

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
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}

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

**Program # 21**

**1. Name of the Planned Program**

Pest Management

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

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
211	Insects, Mites, and Other Arthropods Affecting Plants				
212	Pathogens and Nematodes Affecting Plants				
213	Weeds Affecting Plants				
215	Biological Control of Pests Affecting Plants				
216	Integrated Pest Management Systems				
721	Insects and Other Pests Affecting Humans				
	<b>Total</b>				

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

**1. Actual amount of professional FTE/SYs expended this Program**

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Plan	9.5	0.0	1.1	0.0
Actual	{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**

- .. Children's Agricultural Educational Events
- .. Client Consultation - Insect, Plant Disease, Pest Management
- .. Cranberry Integrated Pest Management
- .. Cranberry Related Fact Sheets
- .. Educational Entomological Display
- .. Fact Sheet - Wild Blueberry
- .. Field Day - University of Maine Blueberry Hill Farm
- .. Grower Site Visits
- .. Insect Education - Bugmaine-ia
- .. Integrated Pest Management
- .. IPM Related (publication)
- .. IPM Related (refereed journal article)
- .. IR4 Residue/Efficacy Insecticide Trials
- ..

**2. Brief description of the target audience**

- Agency Staff or Professionals (Adult)
- Agricultural Producers (Adult)
- Agricultural Workers (Adult)
- Blueberry Growers (Adult)
- Commercial Apple Growers (Adult)
- Commercial Cranberry Growers (Adult)
- Commercial Potato Growers (Adult)
- Commercial Sweet Corn Growers (Adult)
- Farmers (Adult)
- General Public (Adult)
- Home Gardeners (Adult)
- Master Gardener Trainees (Adult)
- Pesticide Applicator Training Participants (Adult)
- Scientists (Adult)
- Teachers (Adult)
- Students (Youth)

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

**1. Standard output measures**

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Actual</b>	0	0	0	0

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

**Patent Applications Submitted**

Year: 2010

Actual: {No Data}

**Patents listed**

{No Data Entered}

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2010	Extension	Research	Total
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<b>Actual</b>	0	0	0
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**V(F). State Defined Outputs**

**Output Target**

**Output #1**

**Output Measure**

- Direct - AV Resource  
Not reporting on this Output for this Annual Report

**Output #2**

**Output Measure**

- Direct - Collaborative or Cooperative Effort  
Not reporting on this Output for this Annual Report

**Output #3**

**Output Measure**

- Direct - Train the Trainer or Volunteer Training  
Not reporting on this Output for this Annual Report

**Output #4**

**Output Measure**

- Indirect - Applied Research  
Not reporting on this Output for this Annual Report

**Output #5**

**Output Measure**

- Indirect - Publication - booklet  
Not reporting on this Output for this Annual Report

**Output #6**

**Output Measure**

- Indirect - Publication - manual  
Not reporting on this Output for this Annual Report

**Output #7**

**Output Measure**

- Direct - Educational Programs or Projects  
Not reporting on this Output for this Annual Report



**Output #8**

**Output Measure**

- Indirect - Media and Internet  
Not reporting on this Output for this Annual Report

**Output #9**

**Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship  
Not reporting on this Output for this Annual Report

**Output #10**

**Output Measure**

- Indirect - Publication in the Popular Media  
Not reporting on this Output for this Annual Report

**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Adopt and maintain integrated pest management strategies
2	Acquire pesticide applicator certification
3	Adopt appropriate technologies
4	Expand Integrated Pest Management
5	Identify and respond to pest issues
6	Identify and respond to plant and animal disorders
7	Improve Integrated Pest Management
8	Maintain pesticide applicator certification
9	Make better decisions regarding pest management
10	Use pesticides safely
11	Use relevant UMaine Extension web-based resources

**Outcome #1**

**1. Outcome Measures**

Adopt and maintain integrated pest management strategies

Not Reporting on this Outcome Measure

**Outcome #2**

**1. Outcome Measures**

Acquire pesticide applicator certification

Not Reporting on this Outcome Measure

**Outcome #3**

**1. Outcome Measures**

Adopt appropriate technologies

Not Reporting on this Outcome Measure

**Outcome #4**

**1. Outcome Measures**

Expand Integrated Pest Management

Not Reporting on this Outcome Measure

**Outcome #5**

**1. Outcome Measures**

Identify and respond to pest issues

Not Reporting on this Outcome Measure

**Outcome #6**

**1. Outcome Measures**

Identify and respond to plant and animal disorders

Not Reporting on this Outcome Measure

**Outcome #7**

**1. Outcome Measures**

Improve Integrated Pest Management

Not Reporting on this Outcome Measure

**Outcome #8**

**1. Outcome Measures**

Maintain pesticide applicator certification

Not Reporting on this Outcome Measure

**Outcome #9**

**1. Outcome Measures**

Make better decisions regarding pest management

Not Reporting on this Outcome Measure

**Outcome #10**

**1. Outcome Measures**

Use pesticides safely

Not Reporting on this Outcome Measure

**Outcome #11**

**1. Outcome Measures**

Use relevant UMaine Extension web-based resources

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
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}

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

**Program # 22**

**1. Name of the Planned Program**

Sustainable Communities

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

**1. Program Knowledge Areas and Percentage**

<b>KA Code</b>	<b>Knowledge Area</b>	<b>%1862 Extension</b>	<b>%1890 Extension</b>	<b>%1862 Research</b>	<b>%1890 Research</b>
111	Conservation and Efficient Use of Water				
112	Watershed Protection and Management				
133	Pollution Prevention and Mitigation				
136	Conservation of Biological Diversity				
403	Waste Disposal, Recycling, and Reuse				
605	Natural Resource and Environmental Economics				
608	Community Resource Planning and Development				
724	Healthy Lifestyle				
802	Human Development and Family Well-Being				
803	Sociological and Technological Change Affecting Individuals, Families, and Communities				
	<b>Total</b>				

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

**1. Actual amount of professional FTE/SYs expended this Program**

<b>Year: 2010</b>	<b>Extension</b>		<b>Research</b>	
	<b>1862</b>	<b>1890</b>	<b>1862</b>	<b>1890</b>
Plan	2.6	0.0	0.0	0.0
Actual	{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**

- Collaborative Fisheries Management Workshops
- Consumer Energy Demonstrations
- Consumer Energy Related Publication
- Consumer Energy Trade Show
- Consumer Energy Website
- Energy Activities
- Food Donated to food cupboards and soup kitchens
- Food System Education Programs
- General Activities - Sustainable Communities
- General Energy Conservation Activities
- Large-scale community vision-to-action projects
- Public Issue education through facilitated community forums and conferences
- Public Issue Education via Talk of the Towns and Family Radio Forum
- Smart Growth Demonstration Projects

**2. Brief description of the target audience**

- Business Owners - current (Adult)
- Commercial Fishing Industry Members (Adult)
- Community Leaders (Adult)
- Community Members (Adult)
- Extension - all staff (Adult)
- General Public (Adult)
- Home Gardeners (Adult)
- Homeowners (Adult)
- Homeowners - up to 2 acres (Adult)
- Limited Income Public (Adult)
- Policy Makers (Adult)
- Radio Program Audience (Adult)
- Consumers (Adult)
- Home Gardeners (Youth)

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

**1. Standard output measures**

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Actual</b>	0	0	0	0

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

**Patent Applications Submitted**

Year: 2010

Actual: {No Data}

**Patents listed**

{No Data Entered}

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2010	Extension	Research	Total
Actual	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct - Conference/Symposium  
Not reporting on this Output for this Annual Report

**Output #2**

**Output Measure**

- Direct - Educational Programs or Projects  
Not reporting on this Output for this Annual Report

**Output #3**

**Output Measure**

- Indirect - Media and Internet  
Not reporting on this Output for this Annual Report

**Output #4**

**Output Measure**

- Indirect - Publication in the Popular Media  
Not reporting on this Output for this Annual Report

**Output #5**

**Output Measure**

- Multiple-undefined delivery method  
Not reporting on this Output for this Annual Report



**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Promote community responsibility and action
2	Promote personal responsibility and action
3	Reduce use of fossil fuels
4	Reduce waste stream
5	Reduces greenhouse gasses
6	Adopt lower impact lifestyles
7	Increase consumption of locally-grown food
8	Compost
9	Promote healthy relationships
10	Adopt at least one energy saving practice
11	Begin gardening
12	Develop a shared vision for the future
13	Increase insulation value in home
14	Increase production in home garden
15	Make informed decisions about the implementation of techniques that will reduce consumption of fossil fuels

**Outcome #1**

**1. Outcome Measures**

Promote community responsibility and action

Not Reporting on this Outcome Measure

**Outcome #2**

**1. Outcome Measures**

Promote personal responsibility and action

Not Reporting on this Outcome Measure

**Outcome #3**

**1. Outcome Measures**

Reduce use of fossil fuels

Not Reporting on this Outcome Measure

**Outcome #4**

**1. Outcome Measures**

Reduce waste stream

Not Reporting on this Outcome Measure

**Outcome #5**

**1. Outcome Measures**

Reduces greenhouse gasses

Not Reporting on this Outcome Measure

**Outcome #6**

**1. Outcome Measures**

Adopt lower impact lifestyles

Not Reporting on this Outcome Measure

**Outcome #7**

**1. Outcome Measures**

Increase consumption of locally-grown food

Not Reporting on this Outcome Measure

**Outcome #8**

**1. Outcome Measures**

Compost

Not Reporting on this Outcome Measure

**Outcome #9**

**1. Outcome Measures**

Promote healthy relationships

Not Reporting on this Outcome Measure

**Outcome #10**

**1. Outcome Measures**

Adopt at least one energy saving practice

Not Reporting on this Outcome Measure

**Outcome #11**

**1. Outcome Measures**

Begin gardening

Not Reporting on this Outcome Measure

**Outcome #12**

**1. Outcome Measures**

Develop a shared vision for the future

Not Reporting on this Outcome Measure

**Outcome #13**

**1. Outcome Measures**

Increase insulation value in home

Not Reporting on this Outcome Measure

**Outcome #14**

**1. Outcome Measures**

Increase production in home garden

Not Reporting on this Outcome Measure

**Outcome #15**

**1. Outcome Measures**

Make informed decisions about the implementation of techniques that will reduce consumption of fossil fuels

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
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}

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

**Program # 23**

**1. Name of the Planned Program**

Watershed Management

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

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
101	Appraisal of Soil Resources				
111	Conservation and Efficient Use of Water				
112	Watershed Protection and Management				
131	Alternative Uses of Land				
132	Weather and Climate				
403	Waste Disposal, Recycling, and Reuse				
901	Program and Project Design, and Statistics				
	<b>Total</b>				

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

**1. Actual amount of professional FTE/SYs expended this Program**

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Plan	1.4	0.0	0.0	0.0
Actual	{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**

- .. General Activities - Watershed Management
- .. Outreach Planning for Lake Groups Training
- .. Watershed Management Public Presentation
- .. Watershed Management Related (fact sheet)
- .. Watershed Management Related (publication)
- .. Watershed Management Related (refereed journal article)
- .. Watershed Planning with Municipalities
- .. Watershed Stewards Program
- .. Well Water and Groundwater Education

**2. Brief description of the target audience**

- General Public (Adult)
- Municipal Officials (Adult)
- Scientists (Adult)
- Volunteers (Adult)
- Watershed Stewards (Adult)
- General Public (Youth)

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

**1. Standard output measures**

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Actual</b>	0	0	0	0

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

**Patent Applications Submitted**

Year: 2010

Actual: {No Data}

**Patents listed**

{No Data Entered}

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2010	Extension	Research	Total
<b>Actual</b>	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct - Educational Programs or Projects  
Not reporting on this Output for this Annual Report

**Output #2**

**Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship  
Not reporting on this Output for this Annual Report

**Output #3**

**Output Measure**

- Indirect - Publication in the Popular Media  
Not reporting on this Output for this Annual Report



**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Conduct a watershed survey
2	Install or enhance conservation plantings using primarily native plants
3	Act on the results of a well-water test
4	Promote municipal responsibility and action
5	Test well-water

**Outcome #1**

**1. Outcome Measures**

Conduct a watershed survey

Not Reporting on this Outcome Measure

**Outcome #2**

**1. Outcome Measures**

Install or enhance conservation plantings using primarily native plants

Not Reporting on this Outcome Measure

**Outcome #3**

**1. Outcome Measures**

Act on the results of a well-water test

Not Reporting on this Outcome Measure

**Outcome #4**

**1. Outcome Measures**

Promote municipal responsibility and action

Not Reporting on this Outcome Measure

**Outcome #5**

**1. Outcome Measures**

Test well-water

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
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}

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

**Program # 24**

**1. Name of the Planned Program**

Youth Development

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

**1. Program Knowledge Areas and Percentage**

<b>KA Code</b>	<b>Knowledge Area</b>	<b>%1862 Extension</b>	<b>%1890 Extension</b>	<b>%1862 Research</b>	<b>%1890 Research</b>
133	Pollution Prevention and Mitigation				
134	Outdoor Recreation				
724	Healthy Lifestyle				
801	Individual and Family Resource Management				
802	Human Development and Family Well-Being				
803	Sociological and Technological Change Affecting Individuals, Families, and Communities				
805	Community Institutions, Health, and Social Services				
806	Youth Development				
	<b>Total</b>				

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

**1. Actual amount of professional FTE/SYs expended this Program**

<b>Year: 2010</b>	<b>Extension</b>		<b>Research</b>	
	<b>1862</b>	<b>1890</b>	<b>1862</b>	<b>1890</b>
Plan	9.2	0.0	0.1	0.0
Actual	{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**

- .. 4-H Afterschool
- .. 4-H County Club Programs
- .. 4-H Dairy Challenge
- .. 4-H Fairs
- .. 4-H Livestock Activities
- .. 4H Club Leader Development and Support
- .. Agricultural Job Exploration
- .. Bryant Pond 4-H Camp and Learning Center school programs
- .. Citizenship Activities
- .. Entrepreneurship Activities
- .. Financial Literacy for High School Students
- .. Healthy Lifestyles- Safe Operation of Farm Tractors and Equipment
- ..

**2. Brief description of the target audience**

- 4-H Leaders (Adult) •4-H Volunteers (Adult) •Adults with Disabilities (Adults) •Agency Staff or Professionals (Adult) •Agricultural Workers (Adult) •Community Leaders (Adult) •Community Members (Adult) •Community Organization Members or Staff (Adult) •Extension - all staff (Adult) •Families (Adult) •Parents (Adult) •Teachers (Adult) •Volunteers (Adult) •Youth Educators (Adult) •4-H Community or Project Clubs Participants (Youth) •4-H Independent Members (Youth) •4-H Leader or Project Skills Training Program Participants (Youth) •4-H Leaders (Youth) •4-H Members (Youth) •4-H Special Interest or Short-Term Program Participants (Youth) •4-H Volunteers (Youth) •Community Members (Youth) •School Enrichment Program Participants (Youth) •Students (Youth) •Youth (Youth)

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

**1. Standard output measures**

2010	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: 2010

Actual: {No Data}

**Patents listed**

{No Data Entered}

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2010	Extension	Research	Total
Actual	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct - Collaborative or Cooperative Effort  
Not reporting on this Output for this Annual Report

**Output #2**

**Output Measure**

- Direct - Train the Trainer or Volunteer Training  
Not reporting on this Output for this Annual Report

**Output #3**

**Output Measure**

- Direct - Conference/Symposium  
Not reporting on this Output for this Annual Report

**Output #4**

**Output Measure**

- Direct - Consultation

Not reporting on this Output for this Annual Report

**Output #5**

**Output Measure**

- Direct - 4-H Club, Camp, Project, Program
- Not reporting on this Output for this Annual Report

**Output #6**

**Output Measure**

- Direct - Educational Programs or Projects
- Not reporting on this Output for this Annual Report

**Output #7**

**Output Measure**

- Multiple-undefined delivery method
- Not reporting on this Output for this Annual Report

**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Conduct tours of agricultural employers in Maine
2	Adopt lower impact lifestyles
3	Conduct community service or outreach
4	Conduct community service or outreach using science and technology skills
5	Create learning opportunities based on principles of positive human development
6	Create learning opportunities that are safe and empowering
7	Develop a financial plan
8	Develop skills that promote healthy relationships
9	Engage positively in their community
10	Identify and solve problems using science and technology skills
11	Increase capacity to achieve goals
12	Increase capacity to establish goals or make decisions
13	Integrate regular physical activity into daily life
14	Make better decisions regarding healthy lifestyle
15	Operate equipment safely
16	Take leadership role
17	Use clear and effective communication skills



18	Use new technologies
19	Work effectively with diverse groups
20	Work productively in a team
21	Promote healthy relationships
22	Adopt record-keeping system
23	Dollars saved
24	Increase consumption of locally grown food

**Outcome #1**

**1. Outcome Measures**

Conduct tours of agricultural employers in Maine

Not Reporting on this Outcome Measure

**Outcome #2**

**1. Outcome Measures**

Adopt lower impact lifestyles

Not Reporting on this Outcome Measure

**Outcome #3**

**1. Outcome Measures**

Conduct community service or outreach

Not Reporting on this Outcome Measure

**Outcome #4**

**1. Outcome Measures**

Conduct community service or outreach using science and technology skills

Not Reporting on this Outcome Measure

**Outcome #5**

**1. Outcome Measures**

Create learning opportunities based on principles of positive human development

Not Reporting on this Outcome Measure

**Outcome #6**

**1. Outcome Measures**

Create learning opportunities that are safe and empowering

Not Reporting on this Outcome Measure

**Outcome #7**

**1. Outcome Measures**

Develop a financial plan

Not Reporting on this Outcome Measure

**Outcome #8**

**1. Outcome Measures**

Develop skills that promote healthy relationships

Not Reporting on this Outcome Measure

**Outcome #9**

**1. Outcome Measures**

Engage positively in their community

Not Reporting on this Outcome Measure

**Outcome #10**

**1. Outcome Measures**

Identify and solve problems using science and technology skills

Not Reporting on this Outcome Measure

**Outcome #11**

**1. Outcome Measures**

Increase capacity to achieve goals

Not Reporting on this Outcome Measure

**Outcome #12**

**1. Outcome Measures**

Increase capacity to establish goals or make decisions

Not Reporting on this Outcome Measure

**Outcome #13**

**1. Outcome Measures**

Integrate regular physical activity into daily life

Not Reporting on this Outcome Measure

**Outcome #14**

**1. Outcome Measures**

Make better decisions regarding healthy lifestyle

Not Reporting on this Outcome Measure

**Outcome #15**

**1. Outcome Measures**

Operate equipment safely

Not Reporting on this Outcome Measure

**Outcome #16**

**1. Outcome Measures**

Take leadership role

Not Reporting on this Outcome Measure

**Outcome #17**

**1. Outcome Measures**

Use clear and effective communication skills

Not Reporting on this Outcome Measure

**Outcome #18**

**1. Outcome Measures**

Use new technologies

Not Reporting on this Outcome Measure

**Outcome #19**

**1. Outcome Measures**

Work effectively with diverse groups

Not Reporting on this Outcome Measure

**Outcome #20**

**1. Outcome Measures**

Work productively in a team

Not Reporting on this Outcome Measure

**Outcome #21**

**1. Outcome Measures**

Promote healthy relationships

Not Reporting on this Outcome Measure

**Outcome #22**

**1. Outcome Measures**

Adopt record-keeping system

Not Reporting on this Outcome Measure

**Outcome #23**

**1. Outcome Measures**

Dollars saved

Not Reporting on this Outcome Measure

**Outcome #24**

**1. Outcome Measures**

Increase consumption of locally grown food

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
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}

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

**Program # 25**

**1. Name of the Planned Program**

Aging Lifestyles

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

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
607	Consumer Economics				
608	Community Resource Planning and Development				
723	Hazards to Human Health and Safety				
724	Healthy Lifestyle				
801	Individual and Family Resource Management				
802	Human Development and Family Well-Being				
803	Sociological and Technological Change Affecting Individuals, Families, and Communities				
805	Community Institutions, Health, and Social Services				
901	Program and Project Design, and Statistics				
903	Communication, Education, and Information Delivery				
	<b>Total</b>				

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

**1. Actual amount of professional FTE/SYs expended this Program**

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Plan	0.3	0.0	0.1	0.0
Actual	{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**

- Aging Initiatives Web Site Pages
- Aging or Elder Care Related (fact sheet)
- Aging or Elder Care Related (refereed journal article)
- Preparing for Elder Care Employer/Employee Project

**2. Brief description of the target audience**

- Employees (Adult)
- Employers (Adult)
- General Public (Adult)
- Social Service Providers (Adult)

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

**1. Standard output measures**

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Actual</b>	0	0	0	0

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

**Patent Applications Submitted**

Year: 2010

Actual: {No Data}

**Patents listed**

{No Data Entered}

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**



2010	Extension	Research	Total
Actual	0	0	0

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

**Output Target**

**Output #1**

**Output Measure**

- Direct - Collaborative or Cooperative Effort  
Not reporting on this Output for this Annual Report

**Output #2**

**Output Measure**

- Indirect - Media and Internet  
Not reporting on this Output for this Annual Report

**Output #3**

**Output Measure**

- Indirect - Professional, Peer-reviewed, or Refereed, Scholarship  
Not reporting on this Output for this Annual Report

**Output #4**

**Output Measure**

- Indirect - Publication in the Popular Media  
Not reporting on this Output for this Annual Report

**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Balance roles, responsibilities, and stress
2	Care for and nurture others
3	Evaluate and analyze existing employer policies or practices
4	Prepare legal documents related to personal care, health care and end-of-life issues
5	Use programs and services that support independent living
6	Use relevant UMaine Extension web-based resources

**Outcome #1**

**1. Outcome Measures**

Balance roles, responsibilities, and stress

Not Reporting on this Outcome Measure

**Outcome #2**

**1. Outcome Measures**

Care for and nurture others

Not Reporting on this Outcome Measure

**Outcome #3**

**1. Outcome Measures**

Evaluate and analyze existing employer policies or practices

Not Reporting on this Outcome Measure

**Outcome #4**

**1. Outcome Measures**

Prepare legal documents related to personal care, health care and end-of-life issues

Not Reporting on this Outcome Measure

**Outcome #5**

**1. Outcome Measures**

Use programs and services that support independent living

Not Reporting on this Outcome Measure

**Outcome #6**

**1. Outcome Measures**

Use relevant UMaine Extension web-based resources

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
- Public Policy changes
- Government Regulations
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

{No Data Entered}

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}