



OREGON STATE UNIVERSITY

Extension Service

Report of Accomplishments for FY 00

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PLANNED PROGRAMS

Goal 1: An agricultural system that is highly competitive in the global economy.

Overview

The Oregon State University College of Agricultural Sciences has developed *Oregon Invests! : The Accountability Database* at <http://oregoninvests.css.orst.edu/index.html>.

The database contains detailed reports of 276 research and Extension projects and programs, most of which are integrated and multidisciplinary. Each project is evaluated for its economic, environmental, and social impacts. An explanation of the interpretation of economic evaluation is given at

http://oregoninvests.css.orst.edu/htmls/info_profile.html including a PDF file "The Philosophy and Economic Methodology behind the Descriptions of Potential Consequences of Research Projects and Extension Programs."

The current economic impact of the 276 projects and programs is \$151,776,000 per year. **Seventy-three Extension programs are included in the database with current economic impact of \$46,620,000 per year.** Extension programs providing the greatest economic returns are:

IR-4 Field Trials for Minor Crops (\$20 million), OSU Foundation Potato Seed Program (\$5.6 million), Stopping

Soil Erosion and Improving Economic Returns in Oregon's Dryland Cropping Systems (\$3 million), Statewide Grass seed Production Activity (\$3 million), Sound Forage/Livestock Systems on Oregon's Grazing lands (\$2 million), Extension Mint Production Activity (\$2 million), Alternative Production Systems for Berry Crops (\$1.6 million), Finding Optimum White Wheat Variety Combinations (\$1.5 million), Oregon Seed Certification Service (\$1.2 million), Extension Project in Oregon's Vegetable Crops (\$1 million), Safety Education in Oregon Food, Fiber, and Marine Industries (\$1 million), Cranberry Extension Program (\$1 Million), Extension on Onions and Potatoes in Treasure Valley (\$1 million).

For details of these projects visit:

http://oregoninvests.css.orst.edu/htmls/FMPro?-db=orin.fp5&-op=gt&ProfileEnviron=-4&RecordType=Extension&-Lay=webecon&-Format=/htmls/list_econ.htm&-SortField=econnow&-SortOrder=descend&-SortField=econfuture&-SortOrder=descend&-find

Clicking on a project title will produce a PDF file detailing the project.

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – Multistate Integrated Research and Extension

.....WA, ID, MT, NV, WY, CA

Key Theme: **Agricultural Competitiveness**

Opening the door to China for Oregon grass seed

OSU Extension specialists, working with the Oregon Seed Council and the Oregon Department of Agriculture, introduced China to high-quality Oregon cool-season turf and forage grass seed varieties. Establishing species adaptation trials and management workshops around China has helped prove that Oregon grass seed is suitable in many regions of the country for erosion control and environmental enhancement. As a result, Oregon grass seed exports to China have increased nearly 19-fold from 338,500 pounds in 1994 to 6.4 million pounds in 1999. In 5 to 10 years, the Oregon Seed Council says exports could approach 100 million pounds.

Impact - \$3 million per year in Oregon

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – Multistate Integrated research and Extension

.....WA, ID

Key Theme: Plant Production Efficiency
Improving crops and cropping systems

From grains and vegetables to fruits and nuts, the OSU Extension Agriculture program is constantly helping develop, test and improve new high-yield, pest- and disease-resistant varieties and growing methods for producers around the state and world. Then Extension helps share how best to grow these crops for maximum profits and sustainability through workshops, publications, the Web, field days and newsletters.

Developing new and better ways to grow berries for the Pacific Northwest

OSU Extension berry crop production/physiology research programs have raised the yield and quality of berries and kiwifruit for Oregon growers. OSU research has stimulated production improvements in pruning of cranberries, after-harvest care of strawberries, fertilization in blackberries, pruning/training systems in blueberries, raspberries and blackberries and growing methods for hardy kiwifruit. Potential benefits from these programs are estimated to be as much as \$18 million per year in the Pacific Northwest.

Impact - \$1.6 million per year in Oregon

Improving irrigation and water management practices

The Extension Energy program is in the third year of a special project with agricultural producers in central and eastern Oregon. The project aims to save money, water and energy through application of improved irrigation and water management based on knowledge of crop water needs, soil moisture measurements and accurate weather forecasting. Growers are applying improved management techniques on nearly 40 percent of farm acreage and 50 percent of high-value crop acreage in central and eastern Oregon.

Helping make dryland crops economically and environmentally sustainable

OSU Extension specialists and agents are helping Columbia Basin farmers conserve soil and improve economic returns by delivering educational programs on new cropping strategies. Basin growers have traditionally used a winter wheat/summer fallow rotation for grain production. Extension educators are introducing annual cropping systems that help reduce soil erosion, increase organic matter in the soil and, ultimately, earn higher net income for farmers.

Impact - \$3 million per year in Oregon

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – Multistate Integrated Research and Extension

.....WA, ID

**Key Theme: Managing Change in Agriculture
Pacific Northwest Risk Management Education (RME)**

Oregon, Washington and Idaho’s Extension programs collaborated in creating the Pacific Northwest Risk Management Education (RME) Project. The curriculum materials include a set of computer spreadsheet decision support tools. The curriculum and software are available in three forms: a binder of printed materials, a CD-ROM, and a web-site from which all the documents and software can be downloaded (<http://pnw-ag.wsu.edu/risk/>). Each of the state offered producer-level workshops and collaborated to offer as regional set of training workshops for agricultural professionals across the three states.

Impact – The program received the Outstanding Extension Program award from the Western Agricultural Economics Association in 2000.

Impact – 151 agricultural professional were trained in four regional workshops. 95% of participants reported improvement in their ability to deliver risk management education and assistance.

Impact – 403 producers participated in 15 workshops across Oregon. 70% reported they were very likely to use the information and concepts presented.

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – Multistate Extension

.....WA, ID

**Key Theme: Animal Production Efficiency
Improving animal production**

Whether it be livestock, poultry or dairy production, Extension develops “least-cost solutions” for animal health, efficient forage and pasture management, waste handling, sanitation, farm safety, maintaining environmental quality and labor issues.

Developing economic, environmentally safe options for dairy farmers

Poor manure management is not just a waste of resources; it may drive some dairy producers out of business. OSU Extension specialists and agents are working with Oregon dairy farmers to help them make environmentally and economically sound choices in management of dairy manure and sanitation, construction of labor-efficient buildings, use of manure as fertilizer and safe use and maintenance of equipment. Better decision making will improve dairy productivity in the long run.

Impact - \$700,000 per year in Oregon

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – Integrated Research and Extension

**Key Theme: Adding Value to New and Old Agricultural Products
Developing new products and processes**

From developing and testing new food products to working with local breweries and wineries to develop better techniques, Extension food scientists are helping Oregon's food and beverage industry add more value to Oregon's agricultural bounty.

Technological help for Oregon's rapidly growing wine industry

The Oregon wine industry has grown rapidly from 71 wineries in 1990 to more than 150 wineries in 2000. The need for technical assistance to keep Oregon wines competitive in the marketplace is greater than ever. OSU Extension's enology program, with support from the Oregon Wine Advisory Board, offers technical assistance to winery personnel, including wine analysis, consultation on production problems and training via workshops and winery site visits. Oregon wine sales contribute \$120 million to Oregon's economy.

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – Integrated Research and Extension

**Key Theme: Rangeland/Pasture Management
Better forage-livestock management brings better profits and sustainability**

Well-managed forage and pasturelands are important to Oregon agriculture, wildlife habitat, recreation and statewide conservation efforts. Better management also means more revenue for forage and animal producers. OSU Extension provides research-based information, educational materials and technical assistance to help forage and animal producers increase profits and efficiency while maintaining environmental quality.

Impact - \$2 million per year in Oregon

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – Multistate Integrated Research and Extension
.....WA, ID, WY, CA, MT, NV

Key Theme: **Urban Gardening**

Gardening that raises awareness and makes a difference

Home gardening enthusiasts throughout the state can always get a friendly answer to their gardening questions thanks to the Extension Master Gardener program. In FY 00, the state's 3,093 Master Gardeners shared their expertise with 272,671 contacts in 26 of Oregon's 36 counties, making it the most popular program in the OSU Extension Service. Graduated Master Gardeners volunteer to teach new classes, providing services to Oregonians worth an estimated \$1.8 million annually.

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – State Specific

Goal 2: A safe and secure food and fiber system.

Overview:

Food safety/preservation programs in FY 00 included Master Food Preservers, the food safety/preservation hotline, county food safety programming, abuela (food safety education) program for Hispanics, and Fight Bac food safety education. Extension Sea Grant conducted food safety programs for fishers and sea food processors.

Key Theme: Food Safety

Food preservation hotline offers answers “just in time”

Oregonians can call a toll-free hotline to get “just- in-time” answers to their food preservation and safety questions. Lane County Master Food Preservers and Family and Community Development staff operate the hotline from mid-July to mid-October.

Impact - In 2000 the hotline received 8,584 calls from 34 Oregon counties. Thirty-seven percent of the calls had safety implications while thirty-two percent had quality implications. Over 1,400 publications were mailed to callers.

Impact - 278 Master Food Preserver volunteers in 16 counties donated 12, 575 hours. They made over 36,000 contacts through phone calls (including the statewide hotline), workshops/demonstrations, exhibits/booths at fairs, festivals, and farmers’ markets, and pressure gauge testing.

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – State Specific

Abuela Project

Washington State University’s abuela (food safety education) project was adapted for pilot-testing in the Marion/Polk/Yamhill/Multnomah Counties area. Hispanics (volunteers and OFNP staff) were trained to teach Hispanics to make queso fresco safely by using heat-treated or pasteurized milk. The program reached 450 Hispanics. More than 95% of the participants reported that they: learned the hazards of using raw milk, learned how to heat treat milk in order to kill bacteria, learned how to sanitize cheese making tools, and planned to use heat treatment or pasteurized milk to make queso fresco in the future.

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – Multistate Extension

..... WA

Helping fishers keep seafood fresh

Oregon fishers are concerned about keeping their catch fresh to avoid loss and provide a quality product. Extension Sea Grant faculty are assisting Oregon’s fishing fleet to develop better, more cost-effective methods of at-sea handling and refrigeration to guarantee consumers the freshest and safest seafood possible.

Impact – 1500 fishers learn to keep their seafood fresh

Teaching seafood processors to cope with new regulations

OSU Extension Sea Grant seafood specialists led the way to help seafood processors comply with new and complex FDA regulations for processing safe seafood. ESG has written and shared model processing plans (<http://seagrant.orst.edu/sgpubs/onlinepubs.html#haccp>) for common Pacific Northwest seafood products from shrimp and oysters to smoked fish. Seafood processors can now use the model plans as guidelines for creating their own processing plans.

Impact – 2,160 seafood processors learned to comply with new regulations

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – Multistate Integrated Research and Extension

..... WA, CA, AK
.....

Goal 3: A healthy, well-nourished population.

Overview

OSU Extension Service is currently developing a program with focus on health over the life span. Three recently hired Family and Community Development County Faculty have strong backgrounds in health. A new faculty member in the College of Health and Human Performance has received a joint Extension appointment. Discussions are underway with the College of Pharmacy and the Oregon Health Science University concerning joint programs. A portion of the OSUES investment package request to the Oregon Legislature seeks funding for a health initiative. Future reports will include the results and accomplishments of this program.

Nutrition and health programming reached a variety of adult audiences including WIC, Head Start, TOPS, and Spanish speakers. Youth audiences included special education students, 4-H, teen mothers, and elementary school students. Delivery methods included classes, newsletters, and the media. Collaborative programs involved WIC, Community Action, a hospital, county health departments, Senior and Disabled Services, New Parent Services, and La Clinica Carino. Programs focused on many topics. At least four counties featured programs on nutrition for children. Healthy cooking classes were given in at least 3 counties. Other topics included senior nutrition, grains, fruits and vegetables, salads, soup, breakfast, healthy snacks, one-pot meals, low fat meals, and thrifty meals.

Key Theme: Human Health

Nutrition education makes families healthier

Foods and nutrition educators teach consumers how to safely store and quickly prepare healthful foods at reasonable cost; become aware of and adopt recommended safe food-handling practices; and understand how to evaluate food safety risks. Programs are available for all individuals and families, but special emphasis is on those with limited income, low literacy, the elderly, single-parent families and teen parents. Extension has received special funding for programs dealing with many of these target audiences through the Oregon Family Nutrition Program (OFNP).

Nutrition programs improve healthy food choices

Low-income families, individuals and youth participating in Extension's Expanded Food and Nutrition Education Program (EFNEP) and Oregon Family Nutrition Program (OFNP) are less likely to run out of food, and can handle and store food so it is safe to eat. They make healthy food choices and better manage their resources.

Impact – During 2000 EFNEP served 795 families with 2977 members. During 2000 OFNP provided nutrition education to 856 individuals and 3107 youth. OFNP volunteers

leveraged their effort through others in the community and staff from their agencies to reach a total of 72,607 families. Participants report that they are making healthier food choices, are managing their resources better, are less likely to run out of food before the end of the month, and can handle and store food safely.

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – State Specific

Goal 4: Greater harmony between agriculture and the environment.

Overview:

The *Oregon Invests!* Database includes an environmental index for each research and extension project and program. Extension programs with the greatest positive environmental impacts include:

Systems-Oriented Learning.....
Rangeland Resources Extension.....
Extension Sea Grant Marine Extension.....
Area-Wide Pome Fruit Pest Management.....
Wise Manure Management on Oregon Dairies.....
Integrated Fruit Production Education Program.....
Sound Forage/Livestock Systems on Oregon's Grazing lands.
Wallowa County Nez Perce Tribe Salmon Habitat Recovery Plan
Stopping Soil Erosion and Improving Economic Returns in Oregon's Dryland Cropping

Ext
Tualatin Ri
Beaver Creek Ripa
Watershed Manage

For details of these projects visit:

http://oregoninvests.css.orst.edu/htmls/FMPro?-db=Orin.fp5&-lay=webtoolbox&-format=/htmls/list.htm&-Op=gt&ProfileEnviron=-4&-SortField=profileenviron&-SortOrder=descend&-SortField=Unitname_county+researchers&-SortOrder=ascend&RecordType=Extension&-Find

Clicking on a project title will produce a PDF file detailing the project.

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – Integrated Research and Extension

The Extension Forestry program emphasizes productive, well-managed woodlands and intelligent use of forest products

Extension's Forestry program has grown over the past 25 years both in educational delivery capacity and in the breadth of its program content. A recent strategic planning process resulted in the development of three new strategic program delivery goals that drive allocation of resources and associated development of projects. They are to:

-Improve the competitiveness of forestry and forest product enterprises. The forest products and services sector will continue to be an important economic force in the state's economy and can be strengthened through educational programs that focus on industry performance.
-Engage the public in constructive dialogue about the future of Oregon's forest resources. Issue-based education may help overcome the tendency for an urbanized society to grow disconnected from its relationship to natural resources.

- Enhance stewardship and sustainability, increase skills, learning capacity and leadership development among client group members to help them implement more informed and effective management practices.

While somewhat variable by year, the Extension Forestry program typically provides about 375 organized educational events and reaches nearly 200,000 educational contacts through newsletters, satellite conferences and broadcast of low-power radio messages at strategic locations.

Extension Sea Grant helps people understand, rationally use, and conserve marine and coastal resources

OSU Extension Sea Grant (ESG) works to improve the lives and livelihoods of Oregonians on the coast and throughout the state. Faculty are located on the OSU campus, at the Hatfield Marine Science Center in Newport, along the Columbia River, in metro Portland, in the Willamette Valley and in communities along Oregon's 296-mile coast. Extension Sea Grant staff forge community connections, conduct applied research, disperse research-based information and form collaborative partnerships with other coastal agencies and organizations such as the National Oceanic and Atmospheric Administration, the Governor's Natural Resource Office and related state agencies. ESG also partners with faculty in the OSU colleges of Oceanography, Agricultural Sciences, Liberal Arts, Business and more.

The Extension Energy program helps individuals and businesses improve efficiency and productivity

The Oregon State University Extension Energy program, housed in OSU's College of Engineering, helps Oregonians improve the energy efficiency of their homes and businesses by providing technical assistance and education. This interdisciplinary program relies on teams of Extension Energy faculty, students and citizen volunteers. They work with manufacturers, schools, businesses and individuals to improve health, safety, productivity and energy stewardship.

Key Theme: **Water Quality**

Enhancing water quality/protecting water resources

Extension is part of a broad array of water-quality education and research efforts. They include educating homeowners and school children about protecting water quality, educating dairy farmers about managing their non-point source pollution and educating range users about protecting riparian areas.

Improved well water quality begins with education

OSU Extension offers well water quality education programs to encourage homeowners with wells to better protect their water supplies. In Lane County, Extension education

programs have helped homeowners understand the relationship between nutrient application rates and the nitrate level in their wells.

Marine education gives teachers and students real-world lessons

Extension Sea Grant sponsors coursework and ongoing field experience for teachers and students on monitoring water quality in rivers and estuaries. About 200 teachers annually take ESG summer workshops. The teachers then use this coursework in classes taught to 10,000 public school students each year. Students take part in intensive labs, workshops and field work in subjects including oceanography, climate, marine animal identification and coastal processes.

Impact – 200 teachers and 10,000 students receive marine education

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – State Specific

Appropriate livestock management is compatible with water quality

Extension workshops, seminars and field days around the state have helped livestock producers manage their upland and streamside habitats for increased livestock productivity and higher water quality objectives through improved vegetation management. Livestock producers learn pasture renovation and riparian management techniques that are compatible with livestock production and water quality.

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – Multistate Integrated research and Extension
.....WA, ID, MT, NV, WY, CA

**Key Theme: Integrated Pest Management
Integrated Pest Management (IPM)**

IPM is integrated throughout OSU’s Extension Agriculture program, including publishing the well-used PNW Insect, Weed and Plant Disease Pest Management handbooks. The IPM approach to crop production utilizes a wide range of methods for managing crop pests. Environmental impacts as well as costs and benefits are considered.

Reducing chemical use while increasing tree fruit production

Nearly 70 percent of the cherry producers in Wasco County are now using Extension’s Integrated Fruit Production (IFP) Program, a holistic approach to the economical production of high-quality fruit. These widely adopted methods give priority to environmentally safe methods. IFP has resulted in nearly a 50 percent reduction in

fertilizer use, better calibration of sprayers, expanded monitoring of crop conditions and pests, and more extensive use of low-impact pest control.

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – Multistate Integrated Research and Extension

..... WA, ID

Key Theme: Air Quality

Grass seed production with reduced environmental impacts

OSU research and Extension programs have developed ways to help grass seed growers reduce their dependence on field burning after harvest for field sanitation. Now OSU researchers and Extension agents are helping make grass seed production practices more cost effective, profitable and environmentally protective. Extension also has developed a Web site for grass seed growers, providing timely information 24 hours a day.

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – Multistate Integrated Research and Extension

..... WA

Key Theme: Forest Resource Management

Woodland owners find project GREAT

Woodland owners considering selling timber from their lands are finding technological help through the Grass Roots Economic Analysis Tool, known as the GREAT project. With the aid of a computer model, woodland owners can create a forest management plan tailored especially to their particular circumstances. This specialized information is designed to help them customize their decisions about where, when, how much and how to harvest from their lands.

Protecting pocket-sized woodlands

As urban population centers continue to expand and fragment the forest base, the Extension Forestry Backyard Woodlands program seeks to provide materials and information to woodland owners on how best to manage and protect forest ecosystems of small acreage. Owners of woodland areas of fewer than 10 acres in Deschutes, Crook and Jefferson counties are learning how to reduce the risk of wildfire and protect water quality and wildlife habitat.

Long-term plan for forest fitness

Extension Forestry continues to aid forest owners through the Resource Management Planning program. By developing a detailed, documented plan to assess forest conditions and monitor changes over time, forest owners develop a deeper understanding of the landscapes under their care. The program uses a series of PowerPoint lectures and exercises to show forest owners how they can establish and maintain a dynamic management plan.

Who's the best in forestry?

OSU's Extension Forestry program is developing a way to recognize outstanding forest stewardship through the Sustainable Forestry Partnership. The program seeks to develop and apply innovative solutions to sustain both forest and human communities and to recognize and reward those who practice sustainable forestry.

Volunteers expand Extension's reach

Since 1983, OSU Extension Forestry has offered the Master Woodland Manager program designed to use advanced level forest landowner education as an incentive to attract experienced forest landowners for volunteer work that stimulates additional forest management. Candidates are screened and receive an 85-hour, 10-module instructional package and supervision by Extension foresters. Each Master Woodland Manager donates a minimum of 85 hours of volunteer service in exchange for the free training and materials. In the 17-year life of the program, nearly 300 volunteers have been trained.

Stamp of forestry excellence

Extension's Sustainable Forestry Partnership helps forest landowners consider whether and how to certify that their timber is managed in an environmentally sound way with the goals of promoting forest health and protecting wildlife and endangered plants.

Attacking a spreading forest disease

Almost unheard-of a few decades ago, the fungal disease Swiss Needle Cast is attacking Douglas-fir trees in Oregon's coast range at an alarming rate, stunting the growth of Oregon's primary timber crop. The disease, if left unchecked, could cause millions of dollars in lost timber revenues. Through a new Cooperative Research and Outreach Project, Extension forestry experts are developing strategies to combat the outbreak.

Project Learning Tree

The Oregon Forestry Education Program is the Oregon sponsor of Project Learning Tree (PLT), an international environmental education curriculum. The OFEP office coordinates all aspects of delivering PLT and associated forestry education workshops. The workshops train K-8 and

secondary educators to deliver the PLT curriculum to their students.

Impact – 1125 teachers delivered the PLT curriculum to 17,000 students

Forest Certification Education

The Sustainable Forestry Partnership (SFP) was formed at OSU in 1995 to document and promote innovation in sustainable forestry and to help others integrate these innovations broadly into policy and practice. Since late 1998, Pennsylvania State University, Auburn University, and CSREES have joined SFP. SFP delivers cutting edge educational programs on certification. A new 8-page publication, “Introduction to Forest Certification” is being distributed nationwide. The publication contains a comparative matrix of certification systems that allows readers to quickly compare the features of various certification systems and is available in both hard-copy and electronic formats.

Impact – 729 foresters, landowners, and wood products producers learned the requirements of certification during 12 workshops

Impact – 2,000 hard copies of “Introduction to Forest Certification” were distributed

Tree School Serves a Diverse Audience

Tree School is a one-day mini-school for woodland owners, professional foresters, Christmas tree growers, teachers, and the public. It originated in Clackamas County and was first delivered in 1991. The purpose of the event is to bring together a wide array of subject topics to appeal to the large and diverse interests of the audience. Tree School is an annual event that has grown steadily since its beginning with 16 classes and 125 attendees.

Impact - 450 participants choose from 50 classes at Tree School. 30 commercial vendors and educational organizations provide products, services and information to attendees.

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – Multistate Integrated Research and Extension

..... WA, AK

Key Theme: Wildlife Management
Expanding watershed health

The Extension Agriculture, Sea Grant, and Forestry programs collaborated in developing and delivering the Watershed Stewardship Education Program (WSEP), a vital part of the Oregon Plan for Salmon and Watersheds. This flagship educational program is for watershed council members who wish to understand and improve the operation of their watershed and of their watershed council itself. WSEP comprises eight modules: Watershed Processes, Stream Ecology, Evaluation and Reduction of Upland Erosion, Riparian Area Function and Management, Evaluating and Improving Fish Habitat, Wetland/Estuary Evaluation and Enhancement, Working Together to Create Successful Groups, Water Quality monitoring. By completing the WSEP program and a 30-hour watershed evaluation or enhancement project, participants become Master Watershed Stewards. The Oregon Watershed Enhancement Board recognizes WSEP as the primary training resource for implementing the Oregon Plan for Salmon and Watersheds. The Certified Crop Advisor Program (CCA) and the Oregon Professional Logger Program (OPL) accredit WSEP. Advanced modules of WSEP are being developed for Fish Passage, Upland Road Evaluation and Improvements, and Stream Morphology.

Impact – A total of 215 individuals have completed the training over the eight modules at six locations. The requirements for Master Watershed Steward have been completed by 109 of these individuals.

Restoring watersheds and salmon habitat

Oregon Extension faculty worked with landowners to form one of the first watershed associations in the state: the Coquille Watershed Association. This group started with 30 people and has grown to more than 250 members. The association has organized and conducted more than \$2.5 million worth of projects, mostly on private lands. On more than 60 miles of riparian area, the group has planted almost 200,000 native trees and shrubs. They also have developed off-channel livestock watering sites and off-channel ponds, and have completed culvert replacements.

Impact - The Coquille Watershed Association has become a model for watershed activism around the state, which now boasts more than 80 watershed councils

Source of Federal funds – Smith-Lever 3b&c

Scope of Impact – Integrated Research and Extension

Fish-friendly culverts

Transportation officials, foresters and fish experts all have taken a keen interest in the program “Fish Passage: A Question of Culverts.” Thousands of old-fashioned Oregon rural road culverts sometimes are deadly blockades to fish passage. So far, the program is working to prioritize the culverts that pose the greatest risk to migrating fish in a first step to replacing the old culverts with ones that allow safe fish navigation.

Impact - More than 300 people participated in five fish-friendly culvert workshops given in summer 2000.

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – State Specific

**Key Theme: Energy Conservation
Quality manufactured homes**

In partnership with manufacturers and the Oregon Office of Energy, Extension Energy faculty work to ensure that homes certified as meeting energy-efficient “Super Good Cents” requirements actually meet the standards specified. Energy faculty also provide in-plant training and testing to help manufacturers improve the overall quality of their homes.

Sealing heating system ducts saves lives, money and energy

Extension Energy faculty have developed duct testing and sealing techniques that can save up to 25 percent of heated air typically lost through leaks in forced air heating systems. Beyond saving energy, these improvements increase comfort and safety by ensuring that air moves through the system as intended and eliminate back-drafts that can draw dangerous combustion products, such as carbon monoxide, into the home. Extension faculty are training and certifying heating contractors on ways to test and seal furnaces and ductwork so contractors can offer higher quality service to their customers.

School indoor air quality

Funding from the U.S. Environmental Protection Agency enables OSU Extension Energy program staff to work with Oregon school facility managers, teachers, nurses, parents and Oregon Head Start programs to improve air quality in homes and schools.

OSU Extension works to improve boiler safety and efficiency

Extension Energy staff, working with the support of Oregon’s Boiler Board and State Boiler Master, developed boiler safety education programs for building maintenance personnel, and more advanced boiler maintenance education programs for operators of heating boilers.

Impact - During FY 00, 75 percent of the 327 program participants indicated the training would help them make improvements in boiler operation and safety.

Master Recycler volunteers work to reduce solid waste

Community volunteers in the Portland Metro area donate up to 30 hours of their time helping others learn how to recycle and reduce waste in their homes and businesses. These volunteers are graduates of the OSU Extension Energy Master Recycler Program, which offers 30 hours of educational programming on waste prevention and recycling in exchange for an equal amount of time donated to the program.

Impact - During FY 00, volunteers who graduated from the program made 12,315 education contacts, volunteered more than 892 hours, and reached another 869,515 clients through newspaper columns and cable television programs.

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – Integrated Research and Extension

Goal 5: Enhanced economic opportunity and quality of life for Americans.

Overview:

4-H Youth Development programs bring the university to youth

We've had 4-H programs in Oregon for nearly 90 years. There've been lots of changes over the years, yet Oregon 4-H is still basically about helping youth develop life skills that will make them productive members of society. However, 4-H has changed in some dramatic ways. Last year, more than 50 percent of 4-H members came from urban areas, while only 22 percent came from farms and another 24 percent from towns of fewer than 10,000. Almost 30 percent of 4-H participants were in kindergarten through third grade. Animal science is still the largest project area, accounting for 30 percent of 4-H projects, but environmental education is now second largest with 17 percent. Science and technology is third with 12 percent, and leadership is fourth with 11 percent.

The Family and Community Development program encourages families and communities to be nurturing and caring

Extension's Family and Community Development program has evolved in recent years to encompass contemporary issues of individuals and families such as parenting, financial management, teen pregnancy, low-income nutrition, childcare and the elderly. Interdisciplinary educational programs are conducted throughout the state in partnership with communities. Extension faculty on campus and in each Oregon county develop programs for individuals and families in communities based on the local needs and opportunities. The goal of the program is to strengthen the capacity of families to:

-Create and manage resources
-Maintain overall health and wellness
-Partner with others in building caring and safe communities

**Key Theme: Youth Deveopment/4-H
4-H volunteers make a big contribution**

Impact - Over 7,000 adult volunteers give their time to serve as teachers, coaches, mentors, counselors and friends to Oregon 4-H members. During the year, they shared more than \$19 million worth of their time to help more than 55,000 4-H members develop life skills that will help them succeed as they become adults.

Learning today to lead tomorrow

Older youth have many opportunities to learn and practice their leadership skills through 4-H. Each summer, many teens serve as camp counselors, helping younger children enjoy the outdoors or leading them in a variety of educational and recreational activities at camps and conferences. The older youth get to be the campers at such programs as the Know Your State Government conference in Salem and the 4-H Summer Conference at OSU.

4-H Wildlife Stewards partner with local schools

In FY 00, more than 10,000 students in five counties participated in a new master volunteer program that matches trained volunteers with local schools. 4-H Wildlife Stewards receive 40 hours of training. In return, they give a minimum of 50 hours to help a local school establish a natural habitat area to complement lessons in science, math, art, history and other subjects.

“Rosa Raindrop” helps kids learn about water, watersheds and more

The fastest growing programs in 4-H are about natural resources, and watershed educational programs are among the most important. “Rosa Raindrop” is just one such activity that helps youth learn about the water cycle and the importance of water in our daily lives.

Impact - 33,297 youth participated in one or more natural resource educational programs in 2000.

“The Incredible Egg” teaches science and technology

It takes 21 days for a chick egg to incubate and hatch. During that time, many classrooms use the 4-H “Incredible Egg” project to learn about the beginning of life as they study the embryonic development of a fertile egg. This school-enrichment program is just one of the new programs teaching students scientific methods and helping them prepare to meet the new educational benchmarks in science.

Impact – 6120 students participated in the 4-H “Incredible Egg” project in 2000.

Reaching out to Oregon’s fastest growing population

Hispanic youth and their families have a new friend in the 4-H Youth Development program. Participation in 4-H by Hispanic/Latino youth increased 25 percent in the past year. Special programs help these youth learn the value of staying in school by providing them after-school alternatives and teaching them how to use the latest technology.

Web Wizards help Latino youth serve community

Going online helped under-represented youth in Washington County discover a new world of possibilities. Washington County Extension agents in partnership with Intel Corporation and the Intel Latino Network organized and funded two community computer labs. These labs are used to deliver Extension bilingual education programs to youth and families, and they are the meeting place of the 4-H Web Wizards club. The club introduces members to computer technology and Web page design with the goal of helping them succeed in school and life. Through their involvement in community service projects, club members become community resource volunteers and help mentor others.

Impact - In 2000, 30 Latino youth participated and more than 20 volunteers from Intel Corporation contributed 900 hours to lead club activities. Ninety percent of the club members and mentors who started 4-H Web Wizards continue as volunteers in the program.

Award-winning video teaches safety

Getting involved in 4-H and safety turned out to be an ideal opportunity for Kevin Richards. He got his start with the Jefferson County Farm Bureau Safety Committee, which was formed to educate the community on safety issues. Kevin's role with his safety project grew, and soon he and his 4-H club had developed skits and safety displays for school assemblies. The demand for his presentation increased so much that Kevin developed a "Think Safe" video that was funded by the safety committee and his fellow club members. In the end, this endeavor was a huge success. "I have personally presented a video to the National Youth Safety Congress and to Governor Kitzhaber," Kevin said. The video has won several awards and honors and continues to educate people on the issue of safety.

4-H videography club gives Latino youth new direction

Getting behind the camera proved to be a rewarding experience for 25 Latino high school students in Washington County who formed a 4-H videography club. In addition to developing their video and editing skills and media literacy, club members also improved their leadership qualities and cultural awareness. They produced a bilingual video about their experiences as Latinos in a local high school. This video was later aired as a lead-in to a monthly 4-H cable program called "4-H—More Than You Ever Imagined" where videography club members talked about the outcomes of participating in a 4-H club. After a year of developing their skills, club members mentored 15 middle school youth and videotaped numerous 4-H projects at the 2000 Washington County Fair that were aired on a local cable channel. Hundreds of youth, teachers and parents have benefited from the activities of these 4-H members.

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – State Specific

Key Theme: Children, Youth and Families at Risk REACHING improves basic living skills

Family and Community Development faculty use the REACHING program with families that have limited income and limited basic living skills. The program includes several learning modules that emphasize problem solving and decision making; managing resources, time and money; communicating and relating to others; and acquiring, analyzing and using information.

Key Theme: Aging

The OSU Extension Service is known state wide for its programming, publications, and conferences in aging. OSU collaborations with Oregon Health Sciences University and Oregon Senior and Disabled Services Division (SDSD) are crucial for supporting program development. In 2000, Oregon Public Broadcasting (OPB) and SDSD produced a TV program on caregiving, and distributed 3 publications from the OSU Extension Family and Community Development Program.

Two county Aging Family Member Conferences and one statewide Gerontology Conference were held in 2000. The county conferences were designed for aging family members, and the state conference was designed for gerontology professionals and service providers. The OSU Gerontology Conference is the state's largest aging conference and 2001 will represent the 25th year of its existence.

Impact – Increased knowledge and awareness of aging issues – 531

Along Came a Spider, A statewide FCE workshop lesson guide, was used in eight counties in 2000. The objectives for this workshop include examining how social networks evolve and change, and discussing ways to expand a personal social network.

Impact – Identification and expansion of social networks among older adults – 2,500

A team of FCE faculty prepared a statewide workshop guide in the fall of 2000. The workshop was taught to chiropractic medical students, to professionals at four gerontology conferences, and to local county audiences in two counties. The objectives include increasing knowledge of age-related changes that affect driving, recognizing signs of unsafe driving, and preserving the independence of the driver while promoting public safety.

Impact – Increased knowledge of age-related changes that affect driving and strategies for working with older adults – 222

Alzheimer workshops were taught to mixed audiences of professionals, FCE members, and the general public in three counties. The Alzheimer's Association of Oregon collaborated in the workshops. *Helping Memory Impaired Elders: A Guide for Caregivers*, PNW publication #314, was revised in 2000.

Impact – Increased knowledge of diagnosis, assessment, and treatment of Alzheimer's Disease and related dementias – 147

FCE volunteers were trained to deliver the *Depression in Later Life: Turning Sadness Around* workshops in 15 counties. Participants learned about the assessment and treatment of depression and reported that they would call and/or visit with a depressed person more often as a result of the workshop.

Impact – Increased knowledge of risk factors, signs and symptoms, and treatment of depression in later life. – 1,685

Counties addressed the needs of an aging population for programming with several workshops. Topics included: loss and grief in later life, tolls for independent living, urinary incontinence, and medication management. One workshop targeted health care professional addressing demographic trends in rural Oregon. Another series dealt with breast cancer awareness.

Impact – Increased knowledge of aging and health issues – 439

One county developed a workshop on intergenerational relationships. A series of four Extension publications, *Connecting the Generations*, were developed for publication during 2001.

Impact – Increased knowledge of intergenerational relationships - 50

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – State Specific

Key Theme: Family Resource Management

Money 2000 in an individualized program to increase savings and reduce debt. The *Money 2000* newsletter was sent quarterly to participants in ten counties. In five counties, faculty trained to use the "Power Pay Program" helped individuals analyze debt situations.

Impact – 600 people increased savings and reduced debt

Two counties taught money management and decision-making to children and teens. A total of 15 counties taught a variety of money management, budgeting, savings and investing classes to adult audiences.

Impact – 1,573 received information necessary to make money management and debt reduction decisions.

Planning for retirement and financial management issues in retirement were addressed in workshops in three counties. In two counties, a curriculum developed by AARP coalitions. Three counties held workshops on Farm and Ranch Ownership and Transfer

Impact – 1,000 people increased their knowledge of financial management, retirement planning, and estate planning.

Source of Federal Funds - Smith-Lever 3b&c

Scope of Impact – State Specific

Key Theme: Leadership Training and Development
Leadership and community development

Healthy communities require strong communication, decision making, problem solving and leadership skills in youth and adults. Through the Family Community Leadership program, volunteers learn leadership skills and practice them with their families and in communities. County teams of volunteers and Extension professionals train community groups in leadership skills and assist local groups with decision making and problem solving.

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – State Specific

Key Theme: Home Safety
Improving installation of manufactured homes

During the past several years, the Extension Energy program, the makers of manufactured homes and the Oregon Building Codes Division have worked to improve the installation of manufactured homes. Energy program staff surveyed installation practices, reviewed industry set-up instructions and identified common mistakes and opportunities for improvement. Installation practices that previously varied by manufacturer and model were reworked into a common set of standards that can be followed by installers and enforced by local code officials. So far, OSU has distributed

more than 5,000 copies of the standards for manufactured home installation, and Energy program staff have worked with Oregon's Building Codes Division to provide training on the new standards for the industry and code officials.

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – Integrated Research and Extension

Making coast ready for earthquake, tsunami hazards

Since Oregon is a prime candidate for earthquake and tsunami hazards, the Extension Sea Grant program is cooperating with state and local governments to improve hazards research, information and emergency preparedness at the coast. This effort has resulted in new state laws that make the Oregon coast a safer place despite the potential for earthquakes and tsunamis. For example, the entire coast is being mapped for tsunami hazard areas and coastal communities are locating critical services outside those areas.

Impact – 600 government officials and community leaders participated in workshops

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – State Specific

Key Theme: Workplace Safety Safer commercial fishing

Extension Sea Grant has a long history of working to reduce injury and loss of life on fishing vessels. ESG faculty designed and implemented the first commercial fishing vessel safety program to be certified by the U.S. Coast Guard. ESG delivered the program through a network of community colleges along the Oregon coast; by 1998, Sea Grant had trained more than 800 commercial fishers. New Coast Guard regulations will intensify ESG's efforts at training to improve survival at sea.

Impact – 100 commercial fishers per year learn how to increase safety on their vessels

Developing a first-of-its-kind safety program for charter skippers

Extension Sea Grant offered the first U.S. Coast Guard approved safety training program for charter boat skippers in Depoe Bay. After the class, skippers instituted a similar program for their own deck hands. This Oregon Extension Sea Grant program has served as a training model for Washington as well as the Oregon Department of Fish and

Wildlife, the Oregon Coast Aquarium and other Oregon organizations.

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – Multistate Extension

..... WA, CA

Exploring economic opportunities

Partnering with Oregon’s ports and marinas, Extension Sea Grant faculty survey constituents about issues ranging from the need for recreational boating moorage to the value of the state’s boating industry to Oregon’s economy.

Impact – 300 port and marina managers explored economic opportunities

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – State Specific

Key Theme: **Tourism**

Sharing the wonders of the coastal environment

Educating school groups, teachers and tourists about the coastal environment, marine animals and coastal processes, Extension Sea Grant faculty help to ensure continued wise use and conservation of this important natural resource.

Impact – 200 teachers and 10,000 students learned of the wonders of the coastal environment

Interactive CD-ROM trains pleasure boaters on safety

A popular new interactive CD-ROM called “Dangerous Waters” is teaching thousands of new boaters about vessel safety in a fun and engaging way. This Extension Sea Grant project has been a rousing success, drawing more than 500 orders from all over the United States for use in trade shows, boat fairs and other large- group settings.

Impact – “Dangerous Waters” CD-ROM reached 50,000 boaters

Source of Federal Funds – Smith Lever 3b&c

Scope of Impact – Multistate Extension

..... Numerous states

Key Theme: Impact of Change on Rural Communities
Helping fishing communities cope with change

Changing technology, markets and ocean conditions have resulted in ever more restrictive management requirements that are affecting the fishing industry, fishing families and coastal communities in many ways. OSU Extension Sea Grant agents helped organize meetings and conduct interviews and surveys to assess needs of fishing families in economic trouble. In turn, ESG produced and distributed more than 20 no-charge publications addressing practical aspects of fishing family life from helping children cope with parents' long absences to keeping business records. **Extension Sea Grant has helped the fishing community obtain group health insurance coverage and led the way in a collaborative disaster outreach program.**

Impact – Health insurance is now available to the fishing community

Impact – The fishing community is collaborating in disaster preparedness programs

Impact – There were 6,700 hits to the Heads-Up! website

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – State Specific

Management Goal: Institutional Engagement

OSU Industrial Assessment Center saves Oregon industry millions

The Extension Energy program's OSU Industrial Assessment Center helps Pacific Northwest manufacturers improve efficiency and reduce waste. Each year faculty-led teams of OSU engineering students visit at least 25 manufacturing facilities in the region to assess plant operations, at no cost to the facility. Students benefit by gaining valuable practical experience.

Follow-up surveys show that, on average, the more than 370 firms that received on-site visits have realized an annual savings of \$70,000 per plant as a result of implementing recommendations made by the OSU teams. Total savings to industry from this program are more than **\$25 million annually**.

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – Integrated Academic Programs and Extension

Management Goal: Institutional Engagement

Poverty and Economic Well-being

The OSU Extension Service produced and distributed 850,000 copies of the 24-page tabloid *A Portrait of Poverty in Oregon*. A copy was inserted into every daily newspaper in the state during January. The publication stimulated and supported a series of educational activities focused on poverty and economic well-being.

Impacts-

- The people of Oregon have **a resource document explaining the reality of poverty** in Oregon. A random number telephone survey revealed that *A Portrait of Poverty in Oregon* was seen by one in four Oregonians. One in ten Oregonians found the information personally useful, one in twenty learned something new, and one in twenty discussed the publication with others. The State Adult and Family Services Division uses it up front in the orientation of each new employee. Because of this publication, **over 500,000 Oregon adults have a better understanding of the reality and geographic distribution of poverty in Oregon:**
<http://eesc.orst.edu/agcomwebfile/edmat/html/em/em8743/>
- Seventy on-campus OSU students in the *Poverty in Oregon* class had **compelling learning experiences**. This multi-disciplinary course involving faculty from three colleges and six departments was coordinated by Bruce Weber (Department of Agricultural and Resource Economics).

http://osu.orst.edu/dept/pol_sci/pgre/cl/campus.htm

One to the students in the *Poverty in Oregon* class said the class “changed my life”. Another “came away from the course with a with a whole new perspective.” For one of the students the required “service learning” aspect to this course “helped me put a face on poverty, and gave me a one-on-one experience that was unforgettable”.

An additional 20 students were in the distance education course coordinated by Brent Steel (Department of Political Science).

- Oregon policymakers have access to a **new analytical tool for understanding the implications of policy changes**. In a project initiated with support from the Oregon Progress Board, economists at OSU developed a dynamic simulation model to trace the effects of state policy actions on poverty incidence. The Oregon Department of Housing and Community Services (DHCS) became aware of this analytical tool and has assumed responsibility for the continued development and use of this “*Poverty Dynamics Simulation Model*”. DHCS has assigned one of their analysts to work with OSU and an advisory committee of agency representatives and activists on the expansion of the model. Information about the model and its development is accessible at the DHCS Oregon Economic Well-being website:
http://www.hcs.state.or.us/economicwellbeing/poverty_model.html
- Local Adult and Family Services (AFS) offices are using copies of the ***Economic Well-being and Poverty in Oregon and Its Counties*** to help citizens understand poverty in their localities. This series of publications shows where there is prosperity and where there is economic hardship for each of the 36 counties (by Census block group) and for the state (by county). It has become a reference document for many activists and people involved in supporting low-income families. The reference is: Weber, B. and S. Bowman, *Economic Well-being and Poverty in Oregon and Its Counties*, EM 8751, Oregon State University Extension Service, December 1999
<http://eesc.orst.edu/agcomwebfile/edmat/EM8751Oregon.pdf>
- **600 individuals gained greater understanding of the consequences of poverty** through a poverty simulation program for Oregon based on the new welfare regulations. There is heavy continuing demand for the simulation including the annual Healthy Head Start Conference, the Community Action Directors of Washington and Oregon Conference in Seattle, and the United Methodist Church’s Bishop Initiative. The goal for the poverty simulations is to have local teams in every county ready to facilitate the training upon request.
- 500 participants in the *Poverty in Oregon: A Call to Action Conference* **created a poverty agenda for Oregon**. Extension co-sponsored the conference and facilitated the action session that resulted in new legislation being introduced into the 2001

Oregon legislative session to prevent discrimination by landlords of clients who qualify for Section 8 vouchers for subsidized housing.

Source of Federal Funds - Smith-Lever 3b&c

Scope of Impact – State Specific

Management Goal: Multicultural and Diversity Issues

Diversity: Responding to Changing Demographics

A full-time diversity specialist provides leadership to the organization in supporting the system to become an effective culturally diverse organization. Our plan for organizational change is derived from an assessment of the OSU Extension diversity climate and the level of intercultural sensitivity of current faculty. The ultimate outcome of this initiative is to create a dynamic and effective multicultural OSU Extension organization. An effective, dynamic, multicultural Extension organization is one in which the faculty and staff reflect the diverse cultures of this state and that faculty and staff can and do design and deliver culturally appropriate educational programs for the people of Oregon.

Impact - A written organizational commitment to diversity is in place. A self-selected thirty member diversity committee is working with six task force action plans which include: designing culturally appropriate education; broadening perception of our traditional audiences; increasing language capacity of staff; hiring more racially/ethnically diverse staff; and identifying needs of under-served communities. A twenty-three member culturally diverse team of Master Cultural Competency Volunteers provided diversity training to over 800 Extension staff, volunteers, and community groups. Eight college students of color completed summer internships in Extension offices as an introduction to a career in Extension. One urban county office is working collectively as a pilot group toward becoming an effective, dynamic, multicultural Extension unit.

Source of Federal Funds – Smith-Lever 3b&c

Scope of Impact – State Specific

Management Goal: Agricultural Communications

1,000 teachers give Project Learning Tree an A+

Extension Forestry's popular "Project Learning Tree" has significantly improved environmental education in the classroom, according to 350 teachers who participated in a recently completed independent program evaluation.

Impact - Evaluation by the Division of Teaching Research of Western Oregon State University gave a glowing endorsement of “Project Learning Tree’s” ability to provide science-based natural resource education to about 300,000 students each year.

Forestry in the eye of the beholder

Individual points of view about forests are as different as the people who hold them. To some, forests are a resource to be wisely tapped. Others see forests as treasures to be preserved. Many others have opinions that lie between these opposite points of view. In the second year of Oregon State University’s Extension Forestry program, “Seeing the Forest,” 26 artists presented a variety of views about the forest in 53 pieces of art, valued at \$37,000. The art depicts forest beauty, products, fire, wildlife, logging, and controversy. Mediums include oil, watercolor, photography, fiber (quilt and paper), ceramic, and woodcarving. Visitors who toured the exhibit were invited to fill in response cards that offered a range of insights into the public’s perceptions about forestry.

Impact – 43,000 viewers were tallied during the first four months at three locations, with four additional locations scheduled. 187 people filled out questionnaire responses and over 100 comments were attached to corkboards.

Teachers gain natural resource knowledge

An intensive week-long course on Oregon’s forest resources for 37 middle school and high school teachers addressed misconceptions about clear-cutting, forest lands and wildlife habitat. In its second year, the program seeks to provide accurate information about Oregon’s forestry programs. The teachers learned about the many ways that timber is removed from forests, how some species of wildlife benefit from logging, and how many Oregon private landowners contribute to the state’s forest resource base.

Source of Federal Funds – Smith-Lever 3b&C

Scope of Impact – State Specific

Stakeholder Input Process

Between January 25 and April 7, 2000, needs assessment meetings were held in all 36 Oregon counties plus the Warm Springs Reservation. The products of those meetings are available at <http://osu.orst.edu/extension/opod/needsassessment/needsindex.html>. Special efforts were made to invite and include members of under-served communities and community members and leaders new to Extension. This broad cross-section of 842 community leaders identified 840 issues facing Oregon communities.

The issues were discussed and grouped during a May 9-10, 2000 Extension Strategic Directions Conference on campus. OSU Extension faculty, administrators and citizen advisors selected from all the issues, those that could be addressed through non-formal Extension education and grouped them into nine areas of program focus under three broad strategic directions. The conference participants then self-selected into working groups to begin development of plans-of-work. Summaries of the needs assessments and the results of the Strategic Directions Conference were reproduced and distributed to Staff Chairs and others for sharing with the participants in the needs assessment meetings and with all staff.

Strategic Direction A: Strengthening Communities and Economies

Areas of Program Focus

1. Promoting economic Development and Diversification
2. Empowering and Engaging Oregonians

Strategic Direction B: Sustaining Natural Resources and Agriculture

Areas of Program Focus

1. Improving the Health of Oregon's Watersheds
2. Promoting and Enhancing Environmental and Economic Sustainability
3. Expanding the Understanding of Natural Resource Systems

Strategic Direction C: Enhancing Families, Youth, & Health

Areas of Program Focus

1. Promoting Positive Youth Development
2. Improving Health
3. Promoting Well-being for Aging Oregonians
4. Building Strong Families for Today

The Strategic Directions and input from other groups became the basis for the OSUES legislative investment package that was approved by the Oregon University System Board and submitted to the Governor. The legislative package requests funding that would allow implementation of parts of the Strategic Directions during the next fiscal biennium. In addition we are reallocating some recurring funding to specific parts of the Directions. Working groups are actively exploring possible grant dollars to implement their plans.

The six program areas are incorporating the Directions into their program planning.

This special statewide stakeholder input process supplements the processes detailed in our OSUES 5-year Plan of work.

Program Review Process

There has been no significant change in our program review process since our 5-year Plan of Work.

Multistate Extension Activities

Components of the Oregon State University Extension Service flow easily across our borders with surrounding states. The largest multistate activity is the long-standing Pacific Northwest Publications (PNWPubs) program where publications that are relevant to all three states are jointly written and reviewed, published by the lead state, and made available to all three.

Each Extension Program Area and every Extension faculty member is expected to develop a professional network that includes peers in other states. These networks, whether formal or informal, involve information sharing, opportunities for professional development, curriculum and educational material development, and joint program development and delivery. Notable formal networks include PNW STEEP, small grain variety testing, potato variety testing, reduced field burning with grass seed production, the NW Center for Small Fruits, Tree fruit production along the Columbia, SARE Extension, Ornamental seminars, Cow-calf Management Guide, Intermountain Cow Symposium, Western Dairy Management, Small Acreage programs, Grazing of riparian areas working group, Mid-Columbia Valley Forestry Extension, Continuing Education programs in Forestry, and Situation and Outlook. 4-H Youth Development faculty work with Extension professionals in Washington and Idaho on curriculum development, leader forum, professional development, regional 4-H marketing, and impact assessment. PNW Extension faculty also collaborate on the Family and Consumer Science programs of high school financial planning, gerontology, parenting, welfare reform, and community food systems.

The Extension Sea Grant program in Oregon contributes to, and benefits from, its membership in the National Sea Grant network.

Under the leadership of the Western Region Program Leadership Committee, the Western Region states and territories are collaborating on three projects.

1. Bringing the University of Wisconsin Extension's Center of Excellence program on Evaluation to the Western Region.

2. Creating a comprehensive professional development program for Community and Economic Development.
3. Creating and managing the Western Extension Leadership Development (WELD) program.

Multistate programming and collaboration are essential tools in leveraging Extension's resources for maximum efficiency and impact. **Multistate activities make it possible for states to mount extension programs of much greater scope than could otherwise be supported by their corresponding research programs.** Multistate, regional, and nationwide activities give definition to the Extension "System."

OSUES has requested a waiver for multistate activities during FY 2000. We have established an audit trail for some multistate activities tied to Smith Lever 3b&c funds.

Integrated Research and Extension Activities

In 1993 Oregon State University integrated the land-grant functions by:

- elevating *Extended Education* (now *OSU Statewide*), including the OSU Extension Service (OSUES), to University-wide status;
- integrating OSUES field- and campus-based faculty into academic departments across the University;
- charging academic Deans with leadership responsibility for Extension programs;
- developing P&T guidelines that recognize and reward all three mission areas of the university -- teaching, research, and extension -- through one process;
- defining scholarship to include the integration and application of knowledge as creative intellectual work; and
- creating a unique position description for every OSU faculty member by the joint effort of the faculty member and his/her supervisor and department head.

The Oregon State University Extension Service spends in excess of **\$4 million** annually for the extension portion of the salary and OPE expenses of faculty with integrated assignments. Joint appointments in extension and research are the norm in the departments of the College of Agricultural Sciences. Twelve faculty located at research and extension centers and branch research stations have partial or full extension appointments. All multidisciplinary working teams include both extension and research faculty. Many of the Oregon representatives to Regional Research and Coordinating Committees have joint appointments with extension.

OSUES has requested a waiver for integrated activities during FY 2000. We have established an audit trail for some integrated activities tied to Smith Lever 3b&c funds.